AGENDA OF THE COMMON COUNCIL

TUESDAY, MARCH 15, 2022, 6:00 PM
In person at City Hall Room 203--Council Chambers.
Virtual attendance also available via Zoom.

A. Zoom Meeting Information.

1. This item contains instructions and information for the virtual Zoom meeting, as well as a link to the comment form.

B. Roll Call.

C. Pledge of Allegiance.

D. Invocation.

E. Approval of Minutes.

1. March 1, 2022.

F. Approval of the Agenda.

G. Report by the Mayor.

H. Announcements.

I. Appointments.

1. **New Appointments:**

CDBG Revolving Loan Fund Committee
Eli Hicks, 902 S. Madison St., Green Bay, WI 54301
Term to expire: March 1, 2025

Sex Offender Residency Board
Craig Coleman, 1217 S. Quincy St., Green Bay, WI 54301
Term to expire: June 1, 2025 (from alternate to member)

Fay Boerschinger, 2769 Daniel Ct., Green Bay, WI 54311
Term to expire: April 1, 2023 (from member to alternate)

J. Ordinances - Second Reading for Adoption.

1. General Ordinance No. 08-22
   An ordinance amending Section 40-34, Green Bay Municipal Code, relating to parking regulations.

2. General Ordinance No. 06-22
   An Ordinance to Repeal and Recreate Section 26-19(B) of the Green Bay Municipal Code relating to possession of marijuana, previously referred to staff for drafting at the Common Council meeting of December 21, 2021.

3. General Ordinance No. 07-22
   An Ordinance to Create Section 26-19(e) of the Green Bay Municipal Code relating to penalties for storage of junked vehicles, previously referred to staff for drafting at the Common Council meeting of December 21, 2021.

K. Report of the Improvement & Services Committee (March 9, 2022).

1. To approve the request by Brown County Library to enter into a parking management and enforcement agreement with Parking Division for the downtown library parking lot pending any changes to the agreement required by the Law Department.

2. To direct Department of Public Works staff to develop a comprehensive plan for Green Infrastructure for the City of Green Bay (as discussed at the City Council meeting on Wednesday, February 16, 2022). (Ald. Dorff)

3. To approve of the 2021 Annual Wisconsin Department of Natural Resources (WDNR) Storm Water Report and authorize the Director to submit the report to WDNR.

4. To award the following contracts:

   A. ESG 2-22 WINDOW REPLACEMENT to the low responsive bidder, IEI, in the amount of $80,749.

   B. PARKS 2-22 ARNIE WOLFF SPORTS COMPLEX PARKING LOT EXPANSION to the low responsive bidder, Advance Construction, in the amount of $295,084.43.

   C. PAVEMENT REPAIR 2022 to the low responsive bidder, Fischer Ulman, in the amount of $1,272,355.

5. To receive and place on file the report of actions taken by Department of Public Works.

   A. Granting of Licenses

      1. Sidewalk Builder

         a. Allied Concrete Construction Inc.

b. J & S Concrete Services LLC
c. JD Concrete Corp.
d. Verheyen Construction Co.

6. To receive and place on file the Engineer's Report for Finger Road due to the project being moved to 2023.

   Public Hearing 6:00 p.m.

   ASPHALT PAVEMENT

   FINGER ROAD – Superior Road to Challenger Drive

L. Report of the Protection & Policy Committee (March 7, 2022)

1. To deny an application for a "Class B" Combination license by KLC SMC LLC at 1911 University Ave. with a licensed premises description as "bar, kitchen, basement" (Currently licensed as SV2, LLC) based on prior convictions for no Licensed Operator on the Premises, 2018; no Licensed Operator on the Premises, 2013; serving an Intoxicated Person, 2012; and allowing Underage Person to Enter a Licensed Premises, 2012 which substantially relate to the licensed activity as they indicate a propensity for repeated unlawful behavior. This item was held at February 22, 2022 Protection & Policy Committee Meeting.

2. To approve a "Class A" Liquor and Class "A" Beer license for Lami LLC at 601 N Military Ave. with a licensed premises "BEHIND THE COUNTER FOR SMALL SIZES AND BIG SIZES ON SHELVING CLOSE BY COUNTER" (currently licensed as Neenah Mini Mart, LLC).

3. To approve an application for an available "Class B" Combination license by Jimmy Simms LLC at 2850 Humboldt Rd. with a license premises description as "BAR, DINING ROOM AREA, OUTDOOR PATIO AREA, FOR STORAGE: LOWER LEVEL/BASEMENT." (Previously licensed the 2020-2021 license year as Strats, Inc).

4. To receive and place on file a report from the Clerk's office regarding absentee ballot certificate curing policies and procedures.

5. To receive and place on file the Liquor Violation Report for March 7, 2022.

M. Report of the Protection & Policy Committee Granting Operator Licenses.

1. Report of the Protection & Policy Committee Granting Operator Licenses.

N. Report of the Plan Commission (March 7, 2022).

1. To amend ZO 13-21, a Planned Unit Development (PUD) along the 2300-2400 Blocks of E. Mason Street (East Town Mall), subject to the draft Planned Unit Development (PUD) amendment. (Public Hearing held February 21, 2022)

2. To authorize a Conditional Use Permit (CUP) for the reconstruction of an off-premise digital and static message billboard in a General Commercial (CI) district, 1902 N. Irwin Avenue, Approval of the request, subject to:

    a. A site plan and applicable permit applications are submitted to the Community and Economic Development Department (CEDD) for review and approval.
    b. The sign permit application shall not be valid unless approved by the Director of Public Works or his/her designee (Traffic Engineer).
    c. The Department of Public Works shall be provided with the means to turn off a digital billboard in the case of hazardous glare, interference with the visibility or effectiveness of a traffic signal or control, or other traffic hazard caused by the sign.
    d. The owner of the sign shall maintain up-to-date contact information with the Department of Public Works. The contact information is to provide 24 hours per day, 7 days per week access to a person or persons that is/are available at all times to respond to a hazardous sign situation.
    e. The proposed signage shall meet all of the requirements of Article III, Off-Premise Advertising, Green Bay Zoning Code.

    (Public Hearing held 03/07/2022)

3. To rezone 2260 Main Street from General Commercial (C1) to Highway Commercial (C2). (Public Hearing held 03/07/2022)

4. To rezone 1840 Bond Street from Low-Density Residential (R1) to Public Institutional (PI). (Public Hearing held 03/07/2022)

5. To vacate an alley between John Street and E. Mason Street.

O. Report of the Finance Committee (March 8, 2022).

1. To approve the American Rescue Plan Act (ARPA) allocation within the Capital Needs and Organization Priorities category for $29,440.83.

2. To approve staff's recommendation to approve up to $432,000 of budget surplus funds to be used as a one-time payment as Covid-19 pay for general levy employees. Up to $97,000 ARPA funds to be used for non-levy employees and City staff to proceed as directed in closed session.

    The Council may convene in closed session pursuant to § 19.85(1)(e), Wis. Stats., for purposes of deliberating or negotiating public employee contracts for competitive or bargaining reasons. The Council may thereafter reconvene in open session pursuant to § 19.85(2), Wis. Stats., to report the results of the closed session and consider the balance of the agenda.

3. To award the city wide vehicle towing & storage services agreement to Crosby Heavy Duty Wrecker Service, bid summary attached.

4. To award the law enforcement surveillance trailer to Industrial Video & Control Co. LLC for $34,301.20.

5. To approve the purchase of National Integrated Ballistic Information Network (NIBIN) equipment for $188,358.00.

6. To approve the purchase of Forensic Recovery of Evidence Devices (FRED) for a total of $32,698.00 plus shipping.

7. To approve a 2021 budget amendment resolution for $66,207.25 to record unbudgeted Wisconsin Historical Society grant received in 2021 for the Historic Intensive Resources survey.

8. To approve a 2021 budget amendment resolution for $10,217.21 to record unbudgeted cost paid to local hospitals for blood draws by the police and reimbursed through collections at Municipal Court.

9. To approve a 2021 budget amendment resolution for $30,510.24 to record unbudgeted overtime for various community events and reimbursed.

10. To approve a 2022 budget amendment and 2021 carry-over resolution for $150,000.00 of the Oneida Cooperative agreement unbudgeted revenue to be used for repairs on the existing armored vehicle approved by Council on 2/16/2022.

11. To approve a 2022 budget amendment and 2021 carry-over resolution for $52,161.77 of fund balance to replace street light fixtures.

12. To approve a 2022 budget amendment and 2021 carry-over resolution for $3,639.62 of fund balance to be used for office furniture ordered in 2021 but will be delivered and installed in 2022.

13. To refer to staff a request by Ald. Johnson to the Finance Committee which states: "For consideration and possible action to create a financial policy that no bond or note may exceed the useful life of an asset without the super-majority vote of council."

14. Ad Hoc Facilities Committee: To approve Brian Johnson as Chair.

15. Ad Hoc Facilities Committee: To approve Paul Martzke as Vice Chair.

16. Ad Hoc Facilities Committee: To receive and place on file a Communication by Ald. Johnson approved by Common Council on 6-1-2021 which states: "To approve the creation of an ad-hoc committee to assess the feasibility and necessity of a unified municipal building to include city hall, police, fire and municipal court and for the Committee to include appointees as selected by the Mayor with a least two city council members, a Mayors office representative, 4-5 community members and appropriate City department heads and to report out to Finance Committee".

17. Ad Hoc Facilities Committee: To receive and place on file an overview of the Berners Schober 2015 evaluation of City-owned facilities by Director of Public Works.

18. Ad Hoc Facilities Committee: To receive and place on file an overview of the current status of City Hall by Parks Director.

19. Ad Hoc Facilities Committee: To receive and place on file an overview of the Bray Architects presentations.

20. Ad Hoc Facilities Committee: To dedicate funds to update the studies related to the City Hall, Police, Fire and Municipal Court buildings as well as review the operational costs of these buildings using the remaining 2018 bonded money for Public Safety building analysis of $34,361.60.

P. Report of the Park Committee. (March 9, 2022)

1. To approve the request by the Baird Creek Preservation Foundation to donate and install Habitat Signage and butterfly wing sculpture in the Baird Creek Greenway.

2. To approve the request by TDS Metrocom, LLC for a Utility Easement at Colburn Park.

3. To approve the request by TDS Metrocom, LLC for a Utility Easement at Edison Park.

4. To approve the request by TDS Metrocom, LLC for a Utility Easement at Mather Heights Park.

5. To approve the renewal of a 10-year lease agreement with Graymont for the north Leicht Memorial Park property contingent upon the Law Department review and approval of the agreement.

6. To approve a resolution supporting construction of an additional portion of the West Side Trail to connect it to the Mountain-Bay State Trail.

7. To authorize staff to award the purchase of 24 light poles and fixtures at Bay Beach Amusement Park to the lowest responsive, responsible bidder not to exceed $120,000.

8. To receive and place on file the staff presentation on seasonal staff recruiting efforts for summer Park positions.

Q. Report of the Personnel Committee (March 8, 2022).

1. To approve the request to fill the following replacement positions and all subsequent vacancies resulting from internal transfers.
   a. Administrative Clerk - Public Works
   b. Sewer Maintenance Worker - Public Works
   c. Park Maintenance Worker - Park, Recreation & Forestry

2. To approve the request to reclassify (1) one Public Works Parking Enforcement Officer position to an Account Clerk II position and approval to fill the position and all subsequent vacancies.

R. Committee of the Whole.

1. To approve the collective bargaining agreement with City of Green Bay Professional Police Association for a 3-year term January 1, 2020 through December 31, 2022.

   The Common Council may convene in closed session pursuant to 19.85(e), Wis. Stats. For purposes

of deliberating or negotiating public employee contracts for competitive or bargaining reasons. The Common Council may thereafter reconvene in open session pursuant to 19.85(2) Wis. Stats. To report the results of the closed session and consider the balance of the agenda. (please review the closed session language I typed and make sure it matches with what we usually use or just copy and paste what we've used previously)

2. To approve an ordinance amending section 2-288, Green Bay Municipal Code, Relating to Election Officials.

S. Receive and Place on File.

1. Building Report for February 2022

2. Municipal Court Report for February 2022

T. Resolutions.

1. Resolution authorizing conditional use permit 1902 North Irwin Avenue.

2. Resolution for the alley between East Mason Street and Kimball Street from John Street to 100 feet east to be vacated.

3. 2021 budget amendment resolution for $66,207.25 to record unbudgeted Wisconsin Historical Society grant received in 2021 for the Historic Intensive Resources survey.

4. 2021 budget amendment resolution for $10,217.21 to record unbudgeted cost paid to local hospitals for blood draws by the police and reimbursed through collections at Municipal Court.

5. 2021 budget amendment resolution for $30,510.24 to record unbudgeted overtime for various community events and reimbursed.

6. 2022 budget amendment and 2021 carry-over resolution for $150,000.00 of the Oneida Cooperative agreement unbudgeted revenue to be used for repairs on the existing armored vehicle approved by Council on 2/16/2022.

7. 2022 budget amendment and 2021 carry-over resolution for $52,161.77 of fund balance to replace street light fixtures.

8. 2022 budget amendment and 2021 carry-over resolution for $3,639.62 of fund balance to be used for office furniture ordered in 2021 but will be delivered and installed in 2022.

9. 2022 budget amendment and 2021 budget carry-over resolution for up to $432,000 of fund balance to be used as a one-time payment as Covid-19 pay for general levy employees.

10. Resolution supporting construction of an additional portion of the West Side Trail to connect it to the Mountain-Bay State Trail.

U. Ordinances - First Reading.

1. Zoning Ordinance No. 02-22
   An ordinance amending Zoning Ordinance No. 13-21 for the planned unit development for the 2300-2400 Block of East Mason Street, East Town Mall.

2. Zoning Ordinance No. 03-22
   An ordinance rezoning the property located at 2260 Main Street from General Commercial (C1) District to Highway Commercial (C2) District.

3. Zoning Ordinance No. 01-22
   An ordinance rezoning property located at 1840 Bond Street from Low-Density Residential (R1) District to Public Institutional (PI) District.

V. Ordinances - First and Final Reading for Adoption

1. General Ordinance 09-22
   An ordinance amending Section 2-288, Green Bay Municipal Code, Relating to Election Officials.

W. Referral of Petitions & Communications.

X. Adjournment.

1) SUPPLEMENTAL INFORMATION: The Video of this meeting, Agenda, Agenda Packet, and Minutes are available online at www.greenbaywi.gov/Meetings.
2) ACCESSIBILITY: Any person wishing to attend who requires special accommodation because of a disability, should contact the City Safety Manager at 920-448-3125 at least 48 hours before the scheduled meeting time so that arrangements can be made.
3) QUORUM: Please take notice that a majority or quorum of the Common Council will attend this committee meeting and will constitute a meeting of the Common Council for purposes of discussion and information gathering relative to this agenda.
4) REPRESENTATION: The party requesting the communication, or their representative, should be present at this meeting.

Virtual Meeting Instructions

2022-03-15 Common Council

Zoom Meeting Information

Join Zoom Meeting
https://us02web.zoom.us/j/86759116063

Meeting ID: 867 5911 6063
Passcode: 790694
One tap mobile
+19292056099,,86759116063#,,,,*790694# US (New York)
+13017158592,,86759116063#,,,,*790694# US (Washington DC)

Dial by your location
- +1 929 205 6099 US (New York)
- +1 301 715 8592 US (Washington DC)
- +1 312 626 6799 US (Chicago)
- +1 669 900 6833 US (San Jose)
- +1 253 215 8782 US (Tacoma)
- +1 346 248 7799 US (Houston)

Meeting ID: 867 5911 6063
Passcode: 790694
Find your local number: https://us02web.zoom.us/u/kd6OUTNEjb

Public Comments

If you wish to speak at this public meeting or leave a comment, please fill out the online Comment Form prior to the meeting.

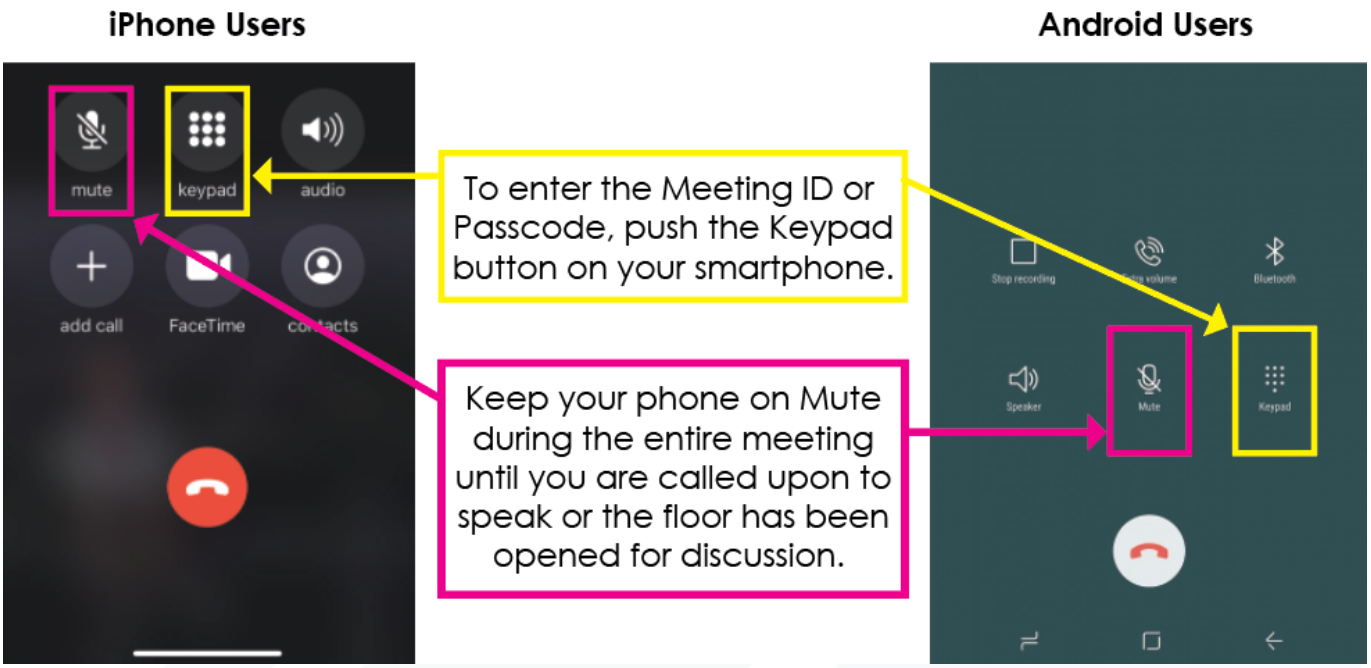
Additional Information

1. Wisconsin Open Meetings Law still applies
    a. Persons interested in speaking to an item must state their name and address for the minutes.
    b. Committee/Commission/Board members will still follow *Roberts Rules of Order Newly Revised 12th edition*.
2. Please log into the Zoom meeting at least 10 minutes before the meeting begins to ensure a proper connection and that your technology is working.
    a. If you are a Board Member, please log into CivicClerk with a computer, laptop, or tablet device.
3. Once you are in the meeting please mute yourself.
    a. You may unmute yourself when you are called upon to speak.
4. Waiting room
    a. When you call in or connect via web or Zoom app, you will be placed in a "waiting room."
    b. The meeting host will then admit you to the meeting, and mute you upon entrance (you will still be able to hear and or otherwise observe the meeting).
5. Registering
    a. The host may ask you to register for the meeting. A registration link will be sent to you along with the invite. You'll receive another email confirming that you're registered for the meeting.
    b. If you're using a phone, your registration will be tied to an email.
6. Raising your hand
    a. Committee/Commission/Board members—you can either use CivicClerk and request to speak or you can also utilize the "raise your hand" tool in the Zoom platform (you'd need to use a computer or tablet) to let the host know you would like to speak. You can also un-mute yourself and start speaking.
    b. Persons with items on the agenda or other interested parties —you can also utilize the "raise your hand" tool on the Zoom platform via computer or mobile device. You will be allowed to speak once the committee, commission, or board has moved to "open the floor for interested parties to speak." Once discussion on your agenda item has concluded, the host will mute you, unless the committee opens the floor again.
7. What devices should I use?
    a. Smart phone (please see more detailed instructions on page 3)
    b. Land line
    c. Tablet— in advance of the meeting, please download the Zoom Meeting app by using either the Apple Store or the Play Store. You will be asked to input your name, to identify you for the meeting.
    d. Computer— you can access the meeting through a web browser by clicking on the meeting link, or through the Zoom Meeting app. If using the app, please download it in advance of the meeting. You will be asked to input your name, to identify yourself for the meeting.
    e. For tablet and computer users--if you download the app you may be asked to verify your email.

8. Zoom etiquette
    a. Muting yourself when you're not speaking will prevent your background noise from interfering with others' ability to listen to and participate in the meeting.
    b. If you're using a telephone, please identify yourself with your phone number and state your name and address before you speak. Zoom meeting hosts can see only your telephone number and will ask you to identify yourself.
9. Closed session
    a. Persons in the Zoom meeting will be put into a waiting room while the committee/commission/board meets in Closed Session. Participants will be admitted back into the Zoom meeting once the committee reconvenes in Open Session.
    b. Persons watching a Common Council meeting live on YouTube will see a gray screen with the City logo during closed session.
10. Persons interested in attending anonymously or listening to the meeting may call in by dialing *67 followed by the phone number in the Zoom Meeting Information box.

Calling into the Zoom meeting using a smartphone

1. Dial the phone number listed at the beginning of this document.
2. When prompted, enter the Meeting ID number followed by **#**
3. Once you are in the meeting, notify the meeting host that you are in and state your name.
4. If you do not wish to speak, please make sure your phone is on **Mute**
    a. If you're using a smartphone, look at your screen and click the Mute button



GENERAL ORDINANCE NO. 08-22

AN ORDINANCE
AMENDING SECTION 40-34,
GREEN BAY MUNICIPAL CODE,
RELATING TO PARKING REGULATIONS

THE COMMON COUNCIL OF THE CITY OF GREEN BAY DOES ORDAIN AS FOLLOWS:

SECTION 1. Section 40-34, Green Bay Municipal Code, is hereby amended to establish the following NO PARKING zone:

> PHASIANUS STREET, west side, from a point 65 feet south of Sun Terrace to Sun Terrace.

SECTION 2. All ordinances, or parts of ordinances, in conflict herewith are hereby repealed.

SECTION 3. Effective date. This ordinance shall take effect on and after its passage and publication.

Dated at Green Bay, Wisconsin this _____ day of _____, 2022.

APPROVED:

_____
Mayor

ATTEST:

_____
City Clerk

DJAH

3/1/22

Report to the
Protection and Policy Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # J.2

General Ordinance No. 06-22
An Ordinance to Repeal and Recreate Section 26-19(B) of the Green Bay Municipal Code relating to possession of marijuana, previously referred to staff for drafting at the Common Council meeting of December 21, 2021.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. 2022-02-21 Marijuana City Stats
2. 2022-02-21 Memo of Offense Penalties
3. 2022-03-15 DRAFT GO 06-22 REPEALING AND RECREATING 26-19(B) MARIJUANA-FINAL 2nd reading 031022

School	2016	2017	2018	2019	2020	2021*
TRUE	24	27	41	61	20	44
FALSE	321	321	400	347	344	332
TOTAL	345	348	441	408	364	376

* Through 12/22/21

Age	2016	2017	2018	2019	2020	2021	Total	Per Total
			1				1	0.04%
11		1					1	0.04%
12	1	2	3	5	1	5	17	0.74%
13	4	6	10	16	3	9	48	2.10%
14	4	6	11	13	8	11	53	2.32%
15	16	12	26	15	16	25	110	4.82%
16	18	33	38	23	26	15	153	6.70%
17	21	29	34	32	27	28	171	7.49%
18	30	35	42	30	38	25	200	8.76%
19	31	28	36	38	33	29	195	8.55%
20	19	20	36	29	29	19	152	6.66%
21	20	19	30	13	24	17	123	5.39%
22	21	22	12	24	19	20	118	5.17%
23	23	14	10	17	9	20	93	4.08%
24	16	7	13	12	10	11	69	3.02%
25	7	9	17	11	17	14	75	3.29%
26	11	12	8	5	7	11	54	2.37%
27	9	6	10	15	9	8	57	2.50%
28	8	7	4	16	6	8	49	2.15%
29	6	4	11	13	8	11	53	2.32%
30	7	5	5	7	8	7	39	1.71%
31	5	9	8	5	3	14	44	1.93%
32	10	3	3	6	4	9	35	1.53%
33	2	4	6	7	2	7	28	1.23%
34	3	3	4	3	5	5	23	1.01%
35	5	1	8	3	2	3	22	0.96%
36	5	3	4	4	5	5	26	1.14%
37	6	6		2	3	3	20	0.88%
38	4	5	7	2	4	3	25	1.10%
39	2		3	4	3	3	15	0.66%
40	2	4	2	5	4	1	18	0.79%
41	2	4	2		7	2	17	0.74%
42	1	3	2	5	1	2	14	0.61%
43	1	1		1	1	2	6	0.26%
44	2	2		2	1	1	8	0.35%
45	2	2	5	1	1	4	15	0.66%
46			2	1		1	4	0.18%
47	1		1	2	3		7	0.31%
48	2	3	2		1	1	9	0.39%
49	1	3	1		2	1	8	0.35%
50	3	1		2		6	12	0.53%
51	1	3	1			4	9	0.39%
52		1	3		2		6	0.26%
53	1	1		2			4	0.18%
54	3		2	2		1	8	0.35%
55	2	1	2			1	6	0.26%
56		1	2	2	2	1	8	0.35%
57	1		2	2			5	0.22%

58	1	3		4		1	9	0.39%
59	1		1		2	1	5	0.22%
60	1		2	2	2		7	0.31%
61		2	1	2	1		6	0.26%
62	1			1			2	0.09%
63			2	1			3	0.13%
64			1		1		2	0.09%
65		1	2		2		5	0.22%
67	1		1			1	3	0.13%
69		1			1		2	0.09%
70					1		1	0.04%
72			1	1			2	0.09%
74	1		1				2	0.09%
TOTAL	345	348	441	408	364	376	2282	

Race	Sex	2016	2017	2018	2019	2020	2021	TOTAL
ASIAN	FEMALE	2	2	3	1		2	10
ASIAN	MALE	3	2	6	7	1	4	23
TOTAL		5	4	9	8	1	6	33
BLACK	FEMALE	19	21	25	23	22	24	134
BLACK	MALE	48	59	89	84	81	93	454
TOTAL		67	80	114	107	103	117	588
HISPANIC	FEMALE	12	9	37	19	19	25	121
HISPANIC	MALE	52	62	60	72	57	54	357
TOTAL		64	71	97	91	76	79	478
INDIAN	FEMALE	17	13	24	16	18	31	119
INDIAN	MALE	24	13	15	25	32	22	131
TOTAL		41	26	39	41	50	53	250
UNK	FEMALE						1	1
UNK	MALE						1	1
TOTAL		0	0	0	0	0	2	2
WHITE	FEMALE	57	67	81	52	62	49	368
WHITE	MALE	111	100	101	109	72	70	563
TOTAL		168	167	182	161	134	119	931

GRAND 2282

Per Total
0.44%
1.01%
1.45%
5.87%
19.89%
25.77%
5.30%
15.64%
20.95%
5.21%
5.74%
10.96%
0.04%
0.04%
0.09%
16.13%
24.67%
40.80%

MALE	ASIAN	BLACK	HISPANIC	INDIAN	UNKNOWN	WHITE	TOTAL	FEMALE
			1				1	12
11						1	1	13
12	1	5	2	2		2	12	14
13	1	6	6	3		8	24	15
14		8	10	7	1	10	36	16
15	1	29	20	9		15	74	17
16	2	25	29	11		34	101	18
17	3	31	30	7		41	112	19
18		34	49	9		47	139	20
19	3	35	39	14		36	127	21
20		31	27	10		31	99	22
21	2	24	21	7		29	83	23
22	1	23	30	7		24	85	24
23		20	15	4		21	60	25
24	1	19	11	4		17	52	26
25		21	13	6		16	56	27
26	2	16	9	3		11	41	28
27		14	4	1		18	37	29
28		10	7	1		14	32	30
29		14	4	5		12	35	31
30		12	4	2		12	30	32
31		10	5	1		11	27	33
32		9	3	3		9	24	34
33		2	1	2		13	18	35
34	1	5	2			5	13	36
35	2	2	2	1		3	10	37
36		4	1	1		9	15	38
37	1	2	2	1		6	12	39
38	1	4	1	2		8	16	40
39		5				3	8	41
40		4	2			5	11	42
41		1		1		10	12	43
42		5				2	7	44
43		2				2	4	45
44		2				3	5	47
45		2				6	8	48
46				1		3	4	49
47		2				2	4	50
48		3		1		3	7	51
49		2		1		3	6	52
50		1		2		4	7	55
51		1	2			3	6	56
52		1				3	4	57
53		1		1		2	4	58
54	1					7	8	59
55		2				3	5	60
56		1	1			2	4	62
57			1			3	4	63

58		1	1			5	7
59						4	4
60			1			4	5
61		1				5	6
62						1	1
63						2	2
64		1				1	2
65			1			2	3
67		1				2	3
69						2	2
70						1	1
72				1		1	2
74						1	1
TOTAL	23	454	357	131	1	563	1529

65
74

ASIAN	BLACK	HISPANIC	INDIAN	UNKNOWN	WHITE	TOTAL
	1		2		2	5
1	6	8	5		4	24
1	1	8	2		5	17
	6	11	3		16	36
	9	12	13		18	52
1	7	14	8		29	59
1	14	7	16	1	22	61
1	9	17	4		37	68
	6	6	6		35	53
1	9	8	7		15	40
	5	6	6		16	33
1	10	4	4		14	33
	5				12	17
	5	1	4		9	19
	1	2	2		8	13
1	4	4	1		10	20
	4	1	1		11	17
1	3	3	3		8	18
	4				5	9
	3	1	3		10	17
	2		4		5	11
	3		2		5	10
1		1	3		5	10
	4				8	12
		2	4		5	11
	1	1	1		5	8
	1	1	2		5	9
	1	1	1		4	7
	1	1	1		4	7
			2		3	5
			2		5	7
	1				1	2
	2		1			3
	2				5	7
					3	3
					2	2
	1				1	2
			3		2	5
			3			3
					2	2
					1	1
					4	4
	1					1
					2	2
					1	1
		1			1	2
					1	1
					1	1

ALL	ASIAN
11	
12	1
13	2
14	1
15	1
16	2
17	4
18	1
19	4
20	
21	3
22	1
23	1
24	1
25	
26	2
27	1
28	
29	1
30	
31	
32	
33	
34	2
35	2
36	
37	1
38	1
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	1
55	
56	
57	

	2					2
					1	1
10	134	121	119	1	368	753

58	
59	
60	
61	
62	
63	
64	
65	
67	
69	
70	
72	
74	
	33

	ASIAN
15-23	17
Perc	1.29%

BLACK	HISPANIC	INDIAN	UNKNOWN	WHITE	TOTAL
	1				1
				1	1
6	2	4		4	17
12	14	8		12	48
9	18	9	1	15	53
35	31	12		31	110
34	41	24		52	153
38	44	15		70	171
48	56	25	1	69	200
44	56	18		73	195
37	33	16		66	152
33	29	14		44	123
28	36	13		40	118
30	19	8		35	93
24	11	4		29	69
26	14	10		25	75
17	11	5		19	54
18	8	2		28	57
14	8	2		25	49
17	7	8		20	53
16	4	2		17	39
13	6	4		21	44
11	3	7		14	35
5	1	4		18	28
5	3	3		10	23
6	2	1		11	22
4	3	5		14	26
3	3	2		11	20
5	2	4		13	25
6	1	1		7	15
5	3	1		9	18
1		3		13	17
5		2		7	14
3				3	6
4		1		3	8
4				11	15
		1		3	4
2				5	7
3		1		5	9
3		1		4	8
1		5		6	12
1	2	3		3	9
1				5	6
1		1		2	4
				7	8
2				4	6
1	1			6	8
1	1			3	5

1	1			7	9
				5	5
	2			5	7
1				5	6
				2	2
				3	3
1				1	2
2	1			2	5
1				2	3
				2	2
				1	1
		1		1	2
				2	2
588	478	250	2	931	2282

BLACK	HISPANIC	INDIAN	UNKNOWN	WHITE		
327	345	145	1	480	1315	57.62%
24.87%	26.24%	11.03%	0.08%	36.50%		

City of Green Bay Law Department
100 North Jefferson Street • Room 200
Green Bay, Wisconsin 54301-5026
www.greenbaywi.gov

Phone 920.448.3080
Fax 920.448.3081

MEMORANDUM

TO: Protection and Policy Committee

FROM: Law Department and Green Bay Police Department

DATE: February 21, 2022

RE: GO 06-22 Relating to Possession of Marijuana

- Our current ordinance sets the current maximum penalty at a $500.00 forfeiture ($691 inclusive of costs) for a possession of marijuana in an amount of 28 grams or less. The default forfeiture amount is $350.00 ($502 inclusive of costs) and there is no distinction in penalties for minors.

- The proposed ordinance amendment provides more defined distinctions between locations and offenders to set penalties at a more equitable level in context with the nature and the circumstances of the offense.

- The most significant change is structuring the penalties based on the circumstances of the offense. Specifically, it lowers the penalty to a $0.00 forfeiture for possession of 28 grams or less of marijuana, as well as consumption, in a private space, like a private residence. A citation would still be issued and the full citation amount would come to $61.00 inclusive of costs. Accordingly, a citation may still be issued for a simple possession, but the monetary consequence will be less burdensome and more proportional to the impact of the offense.

- Next, it similarly lowers the penalty for possession of 28 grams or less of marijuana in a public space, excluding vehicles in operation specifically, to the same forfeiture amount of $0 ($61.00 inclusive of costs). However, consuming marijuana in any amount in a public place, including a parked vehicle, carries a citation with a maximum forfeiture amount of $500 ($691 inclusive of costs).

- Possession of marijuana paraphernalia carries its own set of forfeiture amounts under the proposed amendment, which is not contemplated under our current possession of drug paraphernalia ordinance. This would mean that an individual may receive a simple possession of marijuana citation of $0.00 under this amendment, but could also face a citation of a maximum forfeiture of $1,000.00 for possession of the paraphernalia under the drug paraphernalia penalties. Accordingly, the proposed amendment sets forth a forfeiture amount for possession of marijuana paraphernalia, as defined in the ordinance, to be in line with the amount set for the possession of the marijuana itself.

- Lastly, there is a separate section addressing persons under 21 years of age. In the proposed amendment, a person under 21 years of age who is in possession of marijuana in an amount of 28 grams or less, consumes marijuana, or is in possession of marijuana paraphernalia, may receive a citation with a forfeiture maximum of $100 ($187.00 inclusive of costs), regardless of private or public space designations.

- These proposed changes do not have the effect of legalizing possession or use of marijuana. As indicated above, a citation for such offenses may still be issued. The changes are focused on forfeiture amounts only and based on the circumstances of the offense.

- This proposed penalty section does not apply to incidents of operating a motor vehicle under the influence of restricted controlled substances and also would not apply to incidents involving amounts of marijuana above 28 grams. Those situations would be dealt with under criminal statutes.

GENERAL ORDINANCE NO. 06-22

AN ORDINANCE TO REPEAL AND RECREATE SECTION 26-19(b), GREEN BAY MUNICIPAL CODE, RELATING TO POSSESSION OF MARIJUANA

THE COMMON COUNCIL OF THE CITY OF GREEN BAY DOES ORDAIN AS FOLLOWS:

SECTION 1. Section 26-19(b), Green Bay Municipal Code, is hereby repealed and recreated as follows:

(b) *Possession of marijuana.*

(1) *Definitions.* The following words, terms, and phrases, when used in this subsection, shall have the following meanings, except where the context clearly indicates a different meaning:

(a) *Person* means any individual who has reached the age of 21 years.

(b) *Private space* means an area to which the public at large is not invited or permitted, or an area otherwise not accessible by the public, such as a private residence.

(c) *Public space* means any space to which the public is invited or in which the public is permitted, including motor vehicles parked and not in operation in public spaces.

(d) *Consume* means to smoke, inhale, exhale, ingest, or otherwise introduce marijuana into the human body.

(e) *Marijuana paraphernalia* includes, but is not limited to, any container used to store or conceal marijuana and/or any object(s) used, designed for use, or intended for use in ingestion, inhaling, or otherwise introducing marijuana into the human body, as described in Wis. Stats. § 961.571(1)(a)11., such as pipes, papers, and accessories,

(2) Any person in a private space in possession of marijuana in an amount not greater than 28 grams and/or marijuana paraphernalia, shall forfeit $0.00, exclusive of court costs.

(3) Any person in a public space in possession of marijuana in an amount not greater than 28 grams and/or marijuana paraphernalia, shall forfeit $0.00, exclusive of court costs.

(4) Any person who consumes marijuana in a private space shall forfeit $0.00, exclusive of court costs.

(5) Any person who consumes marijuana in a public space shall forfeit not less than $1.00 nor more than $500.00. The Municipal Court may order community service in lieu of or in conjunction with a forfeiture of up to $500.

(6) Any person under the age of 21 years who possesses marijuana in an amount of 28 grams or less, consumes marijuana, or possesses marijuana paraphernalia shall be subject to the following penalties. The Municipal Court may order community service in lieu of or in conjunction with the forfeitures provided for under this subsection.

(a) For a first violation, a forfeiture of not less than $100 nor more than $200.
(b) For a violation committed within 12 months of one previous violation, a forfeiture of not less than $200 nor more than $300.
(c) For a violation committed within 12 months of two previous violations, a forfeiture of not less than $300 nor more than $500.
(d) For a violation committed within 12 months of three or more previous violations, a forfeiture of not less than $500 nor more than $1000.

SECTION 2. All ordinances, or parts of ordinances, in conflict herewith are hereby repealed.

SECTION 3. Effective date. This ordinance shall take effect on and after its passage and publication.

Dated at Green Bay, Wisconsin, this _____day of _____, 2022.

APPROVED:

_____
Mayor

ATTEST:

_____
Clerk

rem

3/15/2022

GENERAL ORDINANCE NO. 07-22

AN ORDINANCE TO CREATE SECTION 26-19(e), GREEN BAY MUNICIPAL CODE, RELATING TO SPECIFIC PENALTIES FOR ILLEGAL STORAGE OF JUNKED VEHICLES

WHEREAS, the City of Green Bay Common Council has adopted Section 175.25 of the Wisconsin Statutes under Green Bay Municipal Code Section 26-3(9); and

WHEREAS, the penalties provided under Section 175.25 of the Wisconsin Statutes include a financial penalty of not less than $10.00, nor more than $50.00 for each offense, with each day of junk, as defined by statute, being stored contrary to statutory provisions constituting a separate and distinct offense; and

WHEREAS, the Common Council of the City of Green Bay has an interest in ensuring that municipal civil forfeitures conform with, and do not conflict with, statutorily established penalties for adopted statutory violations; now, therefore,

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY:

SECTION 1. Section 26-19(e), Green Bay Municipal Code, is hereby created to read:

(e) *Illegal Storage of Junked Vehicles*. Notwithstanding Section 26-18, any person who shall violate Section 26-3(9) shall forfeit not less than $10.00 and not more than $50.00 for each offense. Each day that junked vehicles are stored contrary to Section 175.25 of the Wisconsin Statutes shall constitute a separate and distinct offense.

SECTION 2. All ordinances, or parts of ordinances, in conflict herewith are hereby repealed.

SECTION 3. Effective date. This ordinance shall take effect on and after its passage and publication.

Dated at Green Bay, Wisconsin, this _____day of _____, 2022.

APPROVED:

_____
Mayor

ATTEST:

_____

Clerk

rem

3/1/2022

Report to the
Improvement and Service Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # K.1

To approve the request by Brown County Library to enter into a parking management and enforcement agreement with Parking Division for the downtown library parking lot pending any changes to the agreement required by the Law Department.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. 2022 Lot L enforcement agreement DRAFT

BROWN COUNTY LIBRARY PARKING LOT ENFORCEMENT AGREEMENT

(City Designation = LOT L)

THIS AGREEMENT is made on this ____ day of _____, 2022 by and between the CITY OF GREEN BAY, a Wisconsin municipal corporation (hereinafter "CITY"), and Brown County Library (hereinafter "LIBRARY").

1. The CITY hereby agrees to install, operate, and enforce parking meters in the 42 stall parking lot located adjacent to the Brown County Main Branch Library Building at 515 Pine Street; City Tax Parcel 11-263. The parcel is currently owned by Brown County, WI.

2. This Agreement authorizes the CITY to 1) install and maintain parking meters, 2) enforce parking laws, and 7) collect parking meter revenue on behalf of the LIBRARY.

3. The LIBRARY shall remain responsible for construction, maintenance, and repair of all parking lot pavement surfaces, curbs, medians, sidewalks, underground utilities, fencing, lighting, signing, pavement markings, and associated landscaping.

4. The LIBRARY shall designate the quantity and distribution of stalls within the lot to be used for 1) building occupants, 2) employees, and 3) transient metered parking; and shall install and maintain signing to designate each zone accordingly.

5. The LIBRARY shall define parking rates and hours of operation for the lot. The CITY will advise the LIBRARY of current parking industry market rate trends, and enforcement practices/methods when changes are being considered by either party.

6. The CITY shall install and maintain parking meters per LIBRARY direction, and provide parking enforcement services to control orderly and proper use of the parking lot.

DRAFT

7. The CITY shall enforce parking restrictions in the lot during normal parking enforcement rounds, and at other times upon special request by the LIBRARY as CITY staffing is available, using City enforcement policies and practices. The CITY shall retain any parking citation revenue generated through its activity in the lot.

8. Subject to proper signing, the LIBRARY retains the right to have vehicles ticketed and towed if found parking in violation of the designated use of parking stalls.

9. The CITY shall summarize and forward all parking revenue to the LIBRARY on a quarterly basis. The LIBRARY shall be responsible for reporting and payment of all applicable parking meter revenue sales taxes to the appropriate entity.

10. The LIBRARY shall pay to the CITY $9,000 annually (billable semi-annually) for services as described herein.

11. The CITY shall periodically review operational expenses to verify costs associated with this Agreement. If it is proven that the CITY management fee is less than actual expenses, then the fee shall be adjusted. Management fees shall be adjusted no more than once annually.

12. The LIBRARY shall advise the CITY prior the end of each year if it wishes to change the metered parking rate in the lot.

13. Any change in management fee or parking meter rates shall take effect on January 1.

14. The term of this Agreement shall be for five (5) years beginning January 1, 2022, and ending December 31, 2026. There shall be an option to extend the Agreement upon written request by the LIBRARY at least thirty (30) days prior to expiration of the term.

15. The LIBRARY shall indemnify and hold harmless the CITY, its employees, agents or officials from any and all damage, loss or liability of any kind whatsoever occasioned upon

DRAFT

and/or within the premises as described in this Agreement by reason of any bodily injury to or death of any person or by reason of any injury to property of third persons.

16. Either the CITY or the LIBRARY may terminate this Agreement upon reasonable legal cause with thirty (30) days written advance notice given to the other party. Upon mutual consent, the parties may terminate this Agreement at any time. There shall be no fee or monetary penalty assessed for termination of this agreement.

17. This Agreement may not be assigned only to any successor party or owner.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed as of the last date listed below.

CITY OF GREEN BAY

Dated: March _____, 2022 By_____
Eric Genrich, Mayor

Dated: March _____, 2022 By_____
Celestine Jeffreys, Clerk

BROWN COUNTY

Dated: March _____, 2022 By_____
Sarah Sugden, Executive Director

DRAFT

Report to the
Improvement and Service Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # K.2

To direct Department of Public Works staff to develop a comprehensive plan for Green Infrastructure for the City of Green Bay (as discussed at the City Council meeting on Wednesday, February 16, 2022). (Ald. Dorff)

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. 2022-02-21 Dist 1 to I and S

From: noreply@civicplus.com
To: Celestine Jeffreys
Subject: Online Form Submittal: Alders" Petitions and Communications
Date: Monday, February 21, 2022 9:29:14 AM

Alders' Petitions and Communications

Name	Barbara Dorff
Committee Name	Improvement and Services Committee
Text of Communication	As discussed at the City Council Meeting on 02/16/2022:To direct DPW staff to develop a comprehensive plan for Green Infrastructure for the City of Green Bay

Email not displaying correctly? View it in your browser.

Report to the
Improvement and Service Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # K.3

To approve of the 2021 Annual Wisconsin Department of Natural Resources (WDNR) Storm Water Report and authorize the Director to submit the report to WDNR.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. 01_2021 Storm Water Highlights

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
100 N. Jefferson Street, Room 300
Green Bay, WI 54301
Tel (920) 448-3100
Fax (920) 448-3102

INTER-OFFICE
MEMO

TO: Steven Grenier, P.E. - Director of Public Works

FROM: Matthew Heckenlaible, P.E – Utility Manager

SUBJECT: 2021 Storm Water Program Highlights

DATE: March 3, 2022

C:

Comments:

- The City of Green Bay has a total of 357 outfalls. "Outfalls" are the point at which storm water is discharged to waters of the state or to a storm sewer. The Storm Water Technician completed the twelfth year of the On-Going Outfall Field Screening / Inspections of 30 of the scheduled major/minor outfalls. There were eight positive hits of detergent in the 30 outfalls sampled during the 2021 screening cycle, all beneath the action level of 0.5 mg/L. There was one positive hit for chlorine for which monitoring will continue into 2022. The MS4 Permit requires the City of Green Bay to continue implementing and enforcing the IDDE Ongoing Outfall Field Screening Annual Program, which includes programs and practices designed to reduce storm water runoff and pollution. Continuing the "Public Education and Outreach" efforts will only increase the public's awareness of the BMPs (Best Management Practices), which reduce or eliminate discharge of pollutants to the "Waters of the State".

- The storm water GIS maps were updated and the Ongoing Field Screening Program Report was completed for the year and can be found in the DPW-Engineering Office.

- The City completes bi-annual inspections of all thirty-four (34) of our storm water quality ponds to look for significant deficancies such as plugged outfalls, excessive animal burrows within the pond berms, and whether there is any notable decrease in pond life expectancy. The water quality ponds are of such an age that to date we have yet completed surveys of the sedimentation depositions and the need to remove excess sediment. The City performs garbage and debris clean up from around the facilities on an as needed basis and cuts some of the vegetation on an as needed basis.

- DPW-Operations completed another successful year of street sweeping and fall leaf collection. An estimated quantity of 5,100 tons was collected with twenty (19) street sweeping rotations and over eleven (11) leaf collection rotations being completed, five (5) spring collections and six (6) fall collections.

- DPW-Operations completed the Greenway Outfall Maintenance Inspections for the Community Rating System from April 1 through September 29, 2021 for flood insurance rate assistance. These inspections insure that the greenways which drain under roadways or into storm sewers are free of debris to help prevent backing up of runoff.

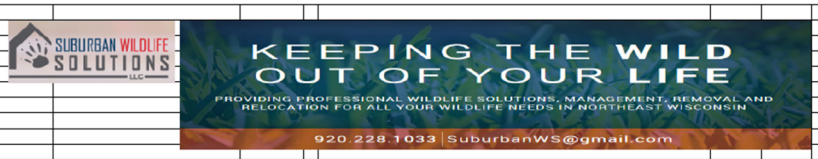
- ~~Constructed the Basin 110 Lift Station within the Shipyard development north of the Tillman Bridge on the west shore of the Fox River. This new storm lift station increased the pumping capacity from approximately 10cfs to 100 cfs. This lift station will benefit the Clinton Street corridor which also includes Oneida Street near W Mason Street, from the Fox River to Ridge Rd, and South Broadway, from W Mason Street and Arndt Street.~~

- ~~Replaced the Howard Pearl Storm Lift Station (Basin 106) with a larger lift station and storm sewer piping. The new storm lift station increased the pumping capacity over the existing lift station from approximately 10 cfs to 66 cfs. The lift station and storm sewer improvements will benefit the Howard Street corridor. With other planned improvements should significantly reduce high water issues around Seymour Park, Shawano near West High School and other areas near there.~~

- South Bay Shore Dike Reinforcement project added rip rap to reinforce the existing dike from around Nevada Avenue east towards Mahon Creek.

- Designed the Museum Place lift station that is currently being constructed and anticipated to be operational in late April or early May of 2021.

- The City contracted the services of a trapper to continue to reduce the muskrat population at twenty-three (23) of our wet storm water facilities during the 2021 winter season. One hundred twenty-four (124) muskrats and five woodchucks (5) had been trapped. The Suburban Wildlife Soultions trapping report is shown below.

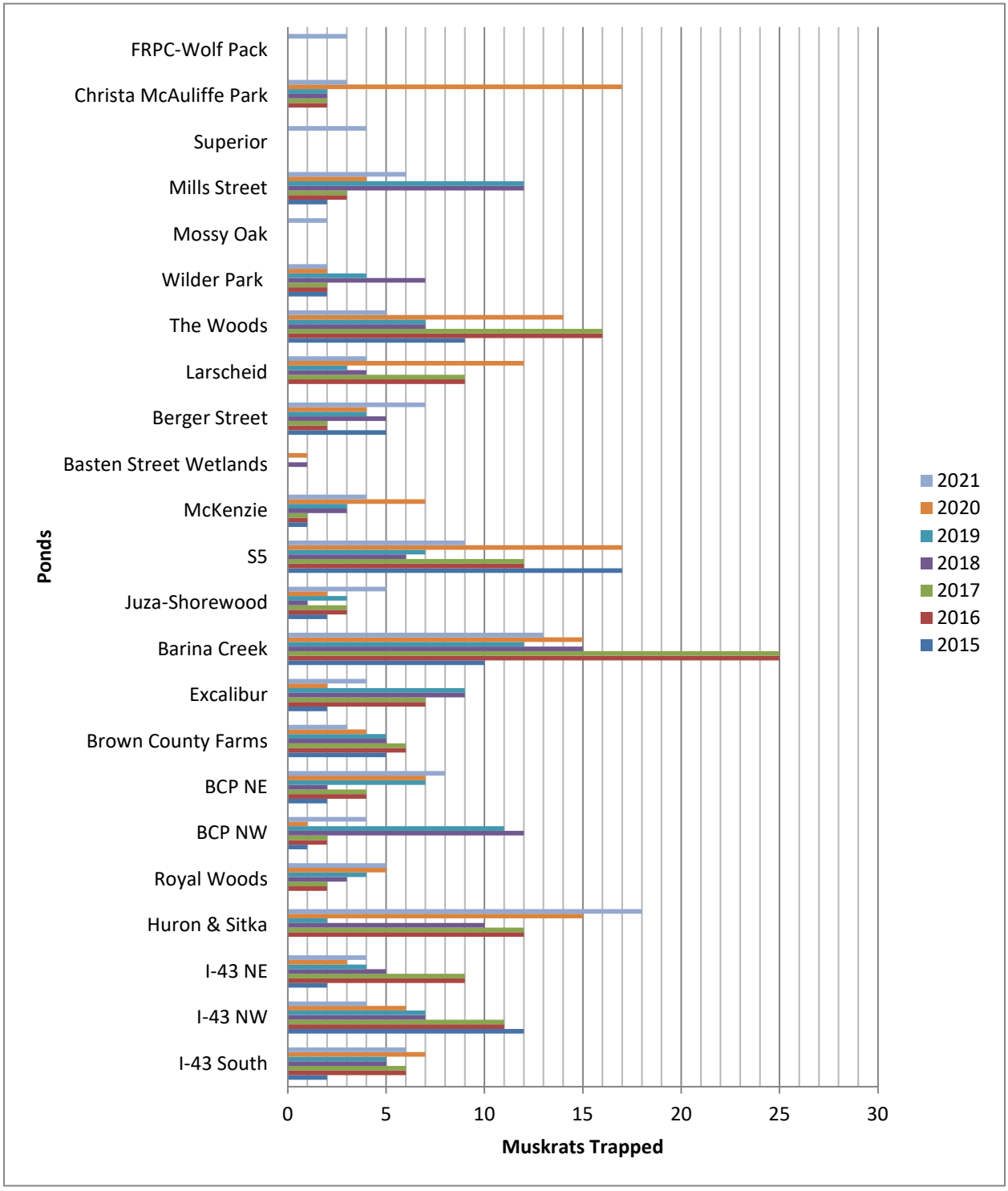


2021 Muskrat Removal Report City of Green Bay

The chart below show

No.	FID	Facility Name	Location	Muskrats Removed	Notes
1	P01	I 43 South Pond	1000 Kepler Drive	6	Needs brush and pragmites cut
2	P02	I 43 NorthWest Pond	1000 Kepler Drive	4	Needs brush and trees around the pond cut
3	P03	I 43 NorthEast Pond	1000 Kepler Drive	4	
4	P07	Huron & Sitka Pond	3279 Sitka Street	18	
5	P08	Royal Woods Pond	102 Abigail Court	5	One fallen pine tree on the North side could be cut up
6	P09	Baird Creek Preserves NE	3515 Peppergrass Court	8	
	P010	Baird Creek Preserves		1	Normally does not have muskrats in it. Checked it and they were there this year.
7	P011	Baird Creek Preserves NW	3425 Peppergrass Court	4	
8	P018	Brown County Farm Pond	3311 Lake Largo Drive	3	Could use brush and trees cut around the pond.
9	P021	Excalibur Pond	2670-2672 Kathy Drive	4	
10	P022	Barina Creek	2935 Durham Road	13	
11	P023	Juza-Shorewood Heights Pond	2976 Sussex Road	5	Cut willows and killed cat tails and pragmites looks awesome.
12	P024	SS Pond 54 business center	4320 College Park Drive	9	Willows, brush, and phragmites could be cut.
13	P031	McKenzie Pond	209 McKenzie Lane	4	
14	P033	Basten Street Wetlands	2130 Basten Street	0	
15	P034	Berger Street Pond	1900 Morrow Street	7	
16	P035	Larscheid Pond	1211 Wolverine Court	4	3 woodchucks removed from this pond.
17	P036	The Woods	530 Erie Road	5	
18	P037	Wilder Park Pond	2590 Robinson Avenue	2	Phragmites and brush could be cut around the pond.
19	P039	Mills Street Pond	1700 Mills Street	6	
20	P042	Christa McAuliffe Park	3100 Sitka Street	3	2 woodchucks removed as well.
21	P038	Mossy Oak Pond	2970 Mossy Oak Circle	2	Path to pond continues to wash out
					Cement culvert on SSE corner of pond has wash out next to it
22	P041	Superior Road Pond	2975 Sitka Street	4	
23	P043	FRPC-Wolf Pack Pond	2230 Angie Street	3	
			Total Removed	124	

s the trapping activity completed by Suburban Wildlife Solutions from 2015-2021.



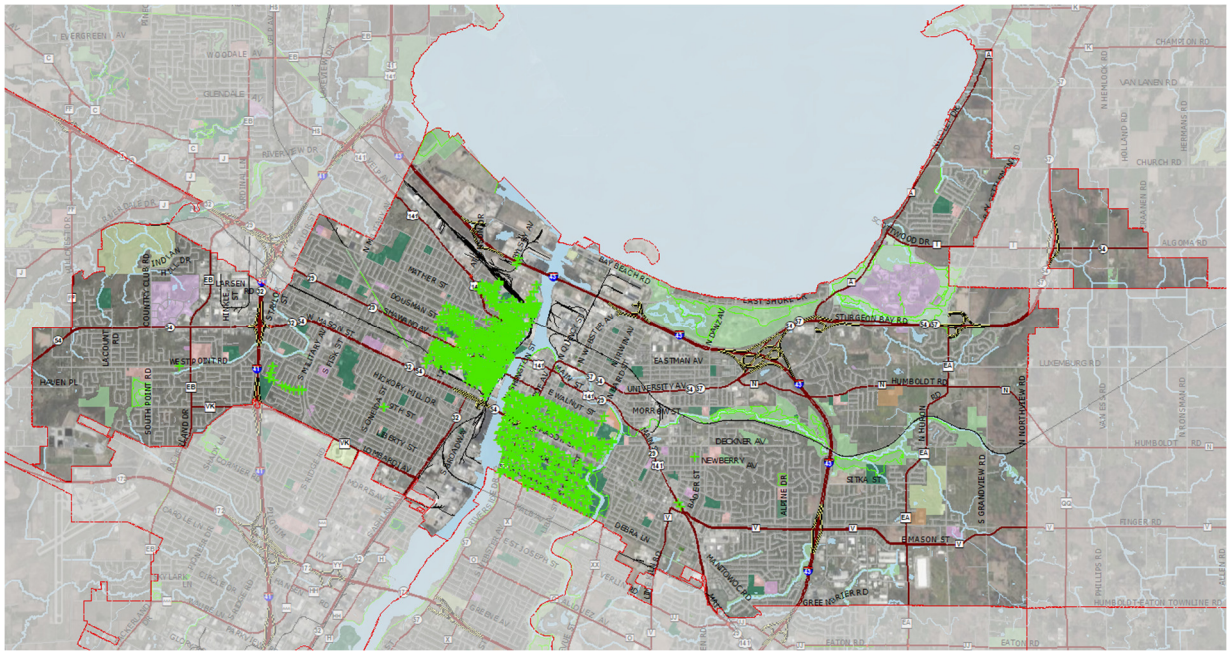
- City Staff participated in a three (3) day virtual conference presented by Fox-Wolf Watershed Alliance March 2-4, 2021 where various storm water management, green infrastructure, sustainability, permitting and legislative topics were discussed.

- Did a public service announcement on WTAQ in spring 2021 with the Director of Operations, regarding putting leaves and yard waste on the terraces instead of the roads.

- The City Resiliency Coordinator completed community education and outreach events covering green infrastructure and low impact development (GI/LID) in 2021. Efforts included presenting to the Johannes Park neighborhood association, performing surveys in flood-impacted neighborhoods, publishing a Green Bay Climate Resiliency article in the Wisconsin Great Lakes Chronicle, hosting workshops, and planning for GI programs to be implemented in 2022.

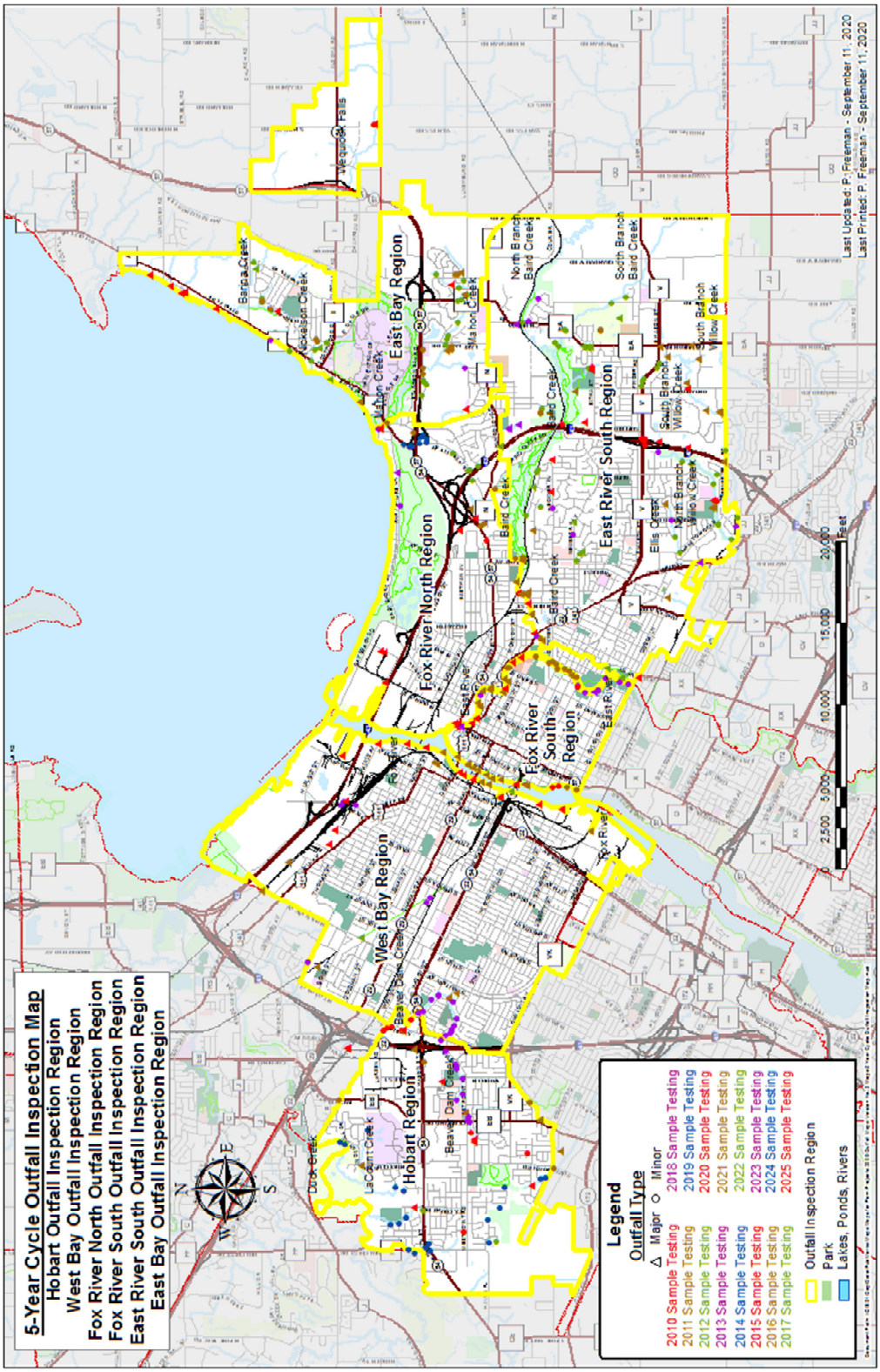
- Modified a map to be more user-friendly to identify businesses that hold WPDES permits.

- Operations cleaned 1,683 catch basins and inlets throughout the City primarily during the summer and fall months in 2021, an estimated quantity of 74 tons of debris were collected.



Storm Inlets / catch basins cleaned in 2021

5-Year Cycle Outfall Inspection Map



Report to the
Improvement and Service Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # K.4

To award the following contracts:

A. ESG 2-22 WINDOW REPLACEMENT to the low responsive bidder, IEI, in the amount of $80,749.

B. PARKS 2-22 ARNIE WOLFF SPORTS COMPLEX PARKING LOT EXPANSION to the low responsive bidder, Advance Construction, in the amount of $295,084.43.

C. PAVEMENT REPAIR 2022 to the low responsive bidder, Fischer Ulman, in the amount of $1,272,355.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. Bid Summary - Public ESG 2-22 WINDOW REPLACEMENT

CITY OF GREEN BAY, WISCONSIN

SUMMARY OF BIDS FOR CONTRACT

ESG 2-22 WINDOW REPLACEMENT

Tuesday, March 1, 2022

Contractor	Bid	Bid Bond
IEI GENERAL CONTRACTORS	**$80,749**	**5%**
THE WILSON GROUP	$99,381	5%
Any questions, call 920-448-3100		

Report to the
Improvement and Service Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # K.5

To receive and place on file the report of actions taken by Department of Public Works.

A. Granting of Licenses

1. Sidewalk Builder

a. Allied Concrete Construction Inc.
b. J & S Concrete Services LLC
c. JD Concrete Corp.
d. Verheyen Construction Co.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

None

ENGINEER'S REPORT

Public Hearing on March 9, 2022

In accordance with State Statute 66.0703, this public hearing is being held to levy assessments for proposed pavement improvements, which are included in the 2022 Capital Improvements Program.

All of the projects being considered tonight will be included in contracts administered by the City of Green Bay Department of Public Works-Engineering Division.

All of the proposed assessments are being levied in accordance with the City's Assessment Ordinance.

During construction, the contractor is required to provide access to businesses at all times and residences as much as practical. When a residential driveway is inaccessible, the property owners or tenants can receive permission from the City Police Department to park on adjoining streets. Problems during construction should be brought to the attention of the Department of Public Works-Engineering Division by calling 448-3100.

ASPHALT PAVEMENT

Finger Road from Superior Road to Challenger Drive is classified as a local road in a residential zoned area with a few commercial properties. The existing asphalt is a rural road section in poor condition and is in need of reconstruction. Finger Road will be reconstructed with asphalt pavement with curb and gutter over a gravel base and a typical clear width of 27 feet. The 2022 assessment rate for asphalt pavement reconstruction is $69.75 per front foot for commercial zoned/use properties. The estimated cost of pavement construction is $270,000. Sanitary sewer, storm sewer, and water main rehabilitation and construction will be performed prior to pavement reconstruction. The estimated cost of the sanitary sewer, storm sewer, and water main are $40,000, $80,000, and $260,000 respectively.

No assessments will be levied for the sanitary sewer, storm sewer, and water main improvements.

REPORT OF THE PROTECTION AND POLICY COMMITTEE
GRANTING OPERATOR LICENSES
March 15, 2022

The Protection and Policy Committee wishes to request that the following applications for Operator Licenses be granted.
Stipulations placed on licenses shall continue to be in effect.

OPERATOR LICENSES

Beyer, Julee M
Bukouricz, Ann M
Camp, Danielle M
Campbell, Hannah M
Chervenka, Sierra R
Colburn, Tamara L
Cordova, Crystal J
Diehlmann, Ridge R
Ehnert, Jarrod
Erce, Jeremy W
Figueroa-Hernandez,
Gerlach, Jaquelyn VL
Hart, Bailee A
Henry, Denzel
Horan, Steven J
Horkman, Kiyana E
Howard-Bey, Angela
Kerwin, Patrick J
Kitzinger-Robertson, Skye
La Combe, Kylie Kay
LaCroix, Michael S
Laedtke, Kevin R.
Martinez, Elley T
Matuszak, Graham N
Medinger, Meeshelle LG
Naniot, Reva LM
Nemetz, Dustin F
Nowak, Roxanne L
O'Kane, Elizabeth M
Otradovec, John P
Paradise, Samantha R
Pigeon, Lynn A
Poma, Francine C
Radaj, Camryn N
Renard, Heather L
Ryan, Carissa L
Scheurer, Gavin W
Schmitt, Shannon T
Senechal, Ashley R
Styve, Hope A
Van Groll, Jennifer M
Vanden Bush, Paige A
Villalobos, Ana
Wiederholt, Zachary M
Williams, Rebecca AM
Yanda, Tyler J
Zamora, Margaret O

Report to the
Green Bay Plan Commission

MEETING DATE	PREPARED BY
March 15, 2022	Stephanie Hummel, Staff

AGENDA ITEM # N.1

To amend ZO 13-21, a Planned Unit Development (PUD) along the 2300-2400 Blocks of E. Mason Street (East Town Mall), subject to the draft Planned Unit Development (PUD) amendment. (Public Hearing held February 21, 2022)

BACKGROUND

Primary Address: 2300-2400 Blocks of East Mason

Alderperson/District: Ald. Lynn Gerlach / District 3

Reason for Request: To amend the PUD to allow for a partial cross-access easement for lot 21-126-7-2 only.

Surrounding Zoning and Land Uses:
SUBJECT: Planned Unit Development (PUD) - East Town Mall
NORTH: Office Residential (OR), Planned Unit Development (PUD), and Low-Density Residential (R1) - Commercial Uses
SOUTH: Highway Commercial (C2) and Low-Density Residential (R1) - Commercial and Residential Uses
EAST: Low-Density Residential (R1) - Residential Uses
WEST: General Commercial (C1) and Light Industry (LI) - Commercial and Storage Uses

Comprehensive Plan: The 2022 Smart Growth Plan designates this area for Commercial Uses. This PUD amendment request is consistent with the recommendations of the Comprehensive Plan.

Report: In late 2021, the Plan Commission approved the Planned Unit Development for East Town Mall, which replaced a previous PUD from 1979 with 11 amendments. Along with cleaning up these amendments, the new PUD also allows for "in lot" developments, parcels created with no public road access. This was allowed solely because of a cross-access easement provision in the PUD, shown in Exhibit C as Semi-Public Roads. This permanent recorded easement maintains continuous access to all current and potential parcels at the East Town Campus.

At the February 21, 2022, Plan Commission meeting, an amendment to the PUD was passed, requiring a contiguous cross-access easement be created and recorded during the land division process for all in-lot parcels. After staff discussed with our Legal Department, we determined the best practice would be for the Plan Commission to review specific amendment language within the PUD, as this was not determined during the February 21, 2022, meeting and this requirement impacted more than one section of the PUD. This was discussed with the property owner and elected officials. This was then referred back to the Plan Commission by the City Council on March 1, 2022.

Attached is the draft PUD with amendments reflecting the original amendment from February 21st. Generally, the amendments reflect the following:

1. For the existing (Shoreline) in-lot, the PUD will provide for an exception to the full easement requirement for the access easement you have proposed connecting the in-lot to East Mason Street.
2. The City will still require an easement for the entire ring of semi-public road before any subsequent in-lots will be approved.
3. To acknowledge the realities of dealing with so many different corporate property owners, the 12-month timeline for the easement will be removed.

These amendments have been reviewed by staff, our Legal Department, and the property owner. All are agreeable to this language with the exception of item #2. The property owner would like to reduce the size of the semi-public road network. Staff still holds the entire semi-public road network as originally approved (Exhibit C) is appropriate to increase protected public access to the Campus and to avoid additional zoning actions and/or easements being created to facilitate additional in-lots. Once that is resolved by Plan Commission recommendation, we feel these amendments allow development to continue at the East Town Campus while also protecting the City's interests.

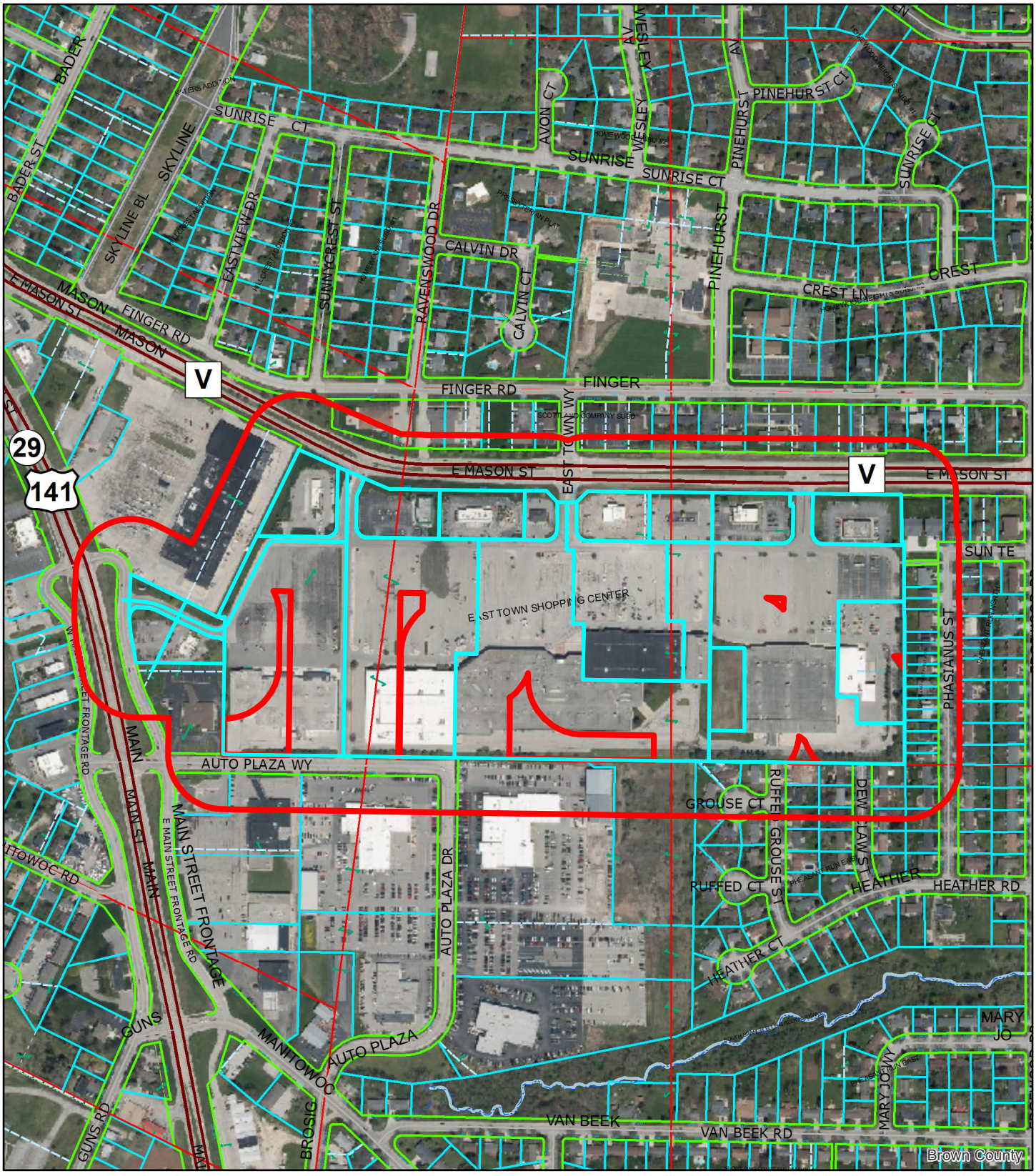
RECOMMENDATION

Approval of the request, subject to the draft Planned Unit Development (PUD) amendment.

FISCAL IMPACT

ATTACHMENTS

1. ZP 22-04 Map
2. REVISED ZO 02-22 - Amend PUD at 2300-2400 Block East Mason - East Town Mall
3. Exhibit E- Partial Easement Exhibit, Parcel 21-126-7-2
4. ZO 13-21 Exhibit C
5. Final ZO 13-21 Repeal and Recreate East Town Mall PUD, 11.10.2021
6. ZO 13-21 Exhibit A
7. ZO 13-21 Exhibit B
8. ZO 13-21 Exhibit D



(ZP 22-04) Planned Unit Development
East Town Mall

0 140 280 560 Feet

N

This is a compilation of records and data located in various City of Green Bay offices and is to be used for reference purposes only. The City of Green Bay is not responsible for any inaccuracies or unauthorized use of the information contained within. No warranties are implied. Map prepared by City of Green Bay Department of Community and Economic Development. E.R. 08 Oct 2021 X:\Planning\Basemaps\template_8.5x11.mxd

Mall Properties

200-ft. Notification Area

ZONING ORDINANCE NO. 02-22

AN ORDINANCE AMENDING
ZONING ORDINANCE NO. 13-21 FOR THE
PLANNED UNIT DEVELOPMENT FOR THE
2300-2400 BLOCK EAST MASON STREET, EAST TOWN MALL
(ZP 22-04)

THE COMMON COUNCIL OF THE CITY OF GREEN BAY DOES ORDAIN AS FOLLOWS:

SECTION 1. Pursuant to Section 44-29, Green Bay Municipal Code, together with the zoning map referred to therein, Section 3.D.1.c. of Zoning Ordinance No. 13-21, relating to the Planned Unit Development (PUD) for the 2300-2400 Block of East Mason Street, is hereby amended as follows:

c. This PUD is only in effect if/when the semi-public roads detailed in Exhibit C are recorded with the Brown County Register of Deeds on all adjacent parcels as described in Section 3.D.1.a above. ~~This PUD will be considered void if no recordation happens within twelve (12) months of the adoption of this PUD.~~
   1. **Parcel 21-126-7-2 is exempt from this requirement such that easements with adjacent parcels are not required provided that an easement granting public access to a semi-public road connecting Mason Street to said parcel, as shown in Exhibit E, is created and recorded with the Brown County Register of Deeds.**
   2. **The exception for Parcel 21-126-7-2 shall be the only exception to the easement requirement described in this section.**

SECTION 2. The provisions of this ordinance, including, without limitation, the granting of a conditional-use permit and all obligations, conditions, restrictions, and limitations related thereto shall run with and be jointly and severally binding upon the fee-simple owner and the beneficial owner of all or any portion of the subject property. All obligations, requirements, and rights of the owner shall run with the land and shall automatically be assigned to be binding upon and inure to the benefit of its successors and assigns, including, but not limited to, any entity acquiring any financial interest in the subject property and/or any subsequent owner and/or beneficial owner of all or any portion of the subject property.

SECTION 3. Each exhibit which is attached to this ordinance is deemed to be and is expressly made a part of and incorporated into this ordinance to the same extent as if each such exhibit and the plans identified therein had been set forth in its entirety in the body of this ordinance.

SECTION 4. All ordinances or parts of ordinances in conflict herewith are hereby repealed.

SECTION 5. In addition to all other remedies available to the City of Green Bay, the City may decline to issue any building or other permits otherwise required by any ordinance of this City while any violation of this ordinance remains uncured.

SECTION 6. If any provision in this ordinance is held invalid or unconstitutional by any court of competent jurisdiction, such a decision shall not affect the validity of any other provision of this ordinance. It is hereby declared to be the intention of the City of Green Bay that all provisions of this ordinance are separable.

SECTION 7. This ordinance shall not take effect until a public hearing is held hereon as provided by Section 44-82, Green Bay Municipal Code, and the adoption and publication of this ordinance.

Dated at Green Bay, Wisconsin, this _____ day of _____, 2022.

APPROVED:

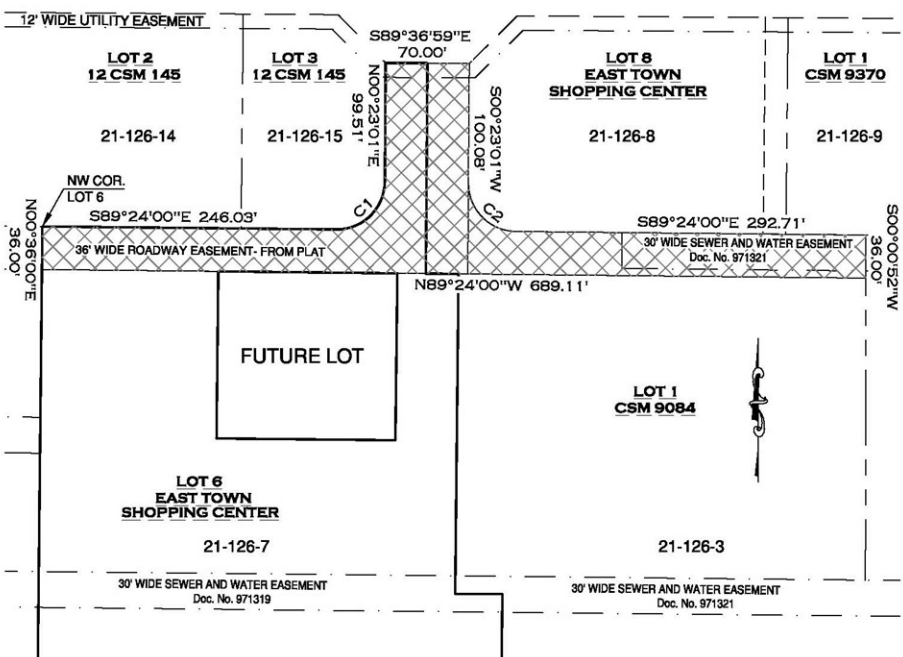
_____
Mayor

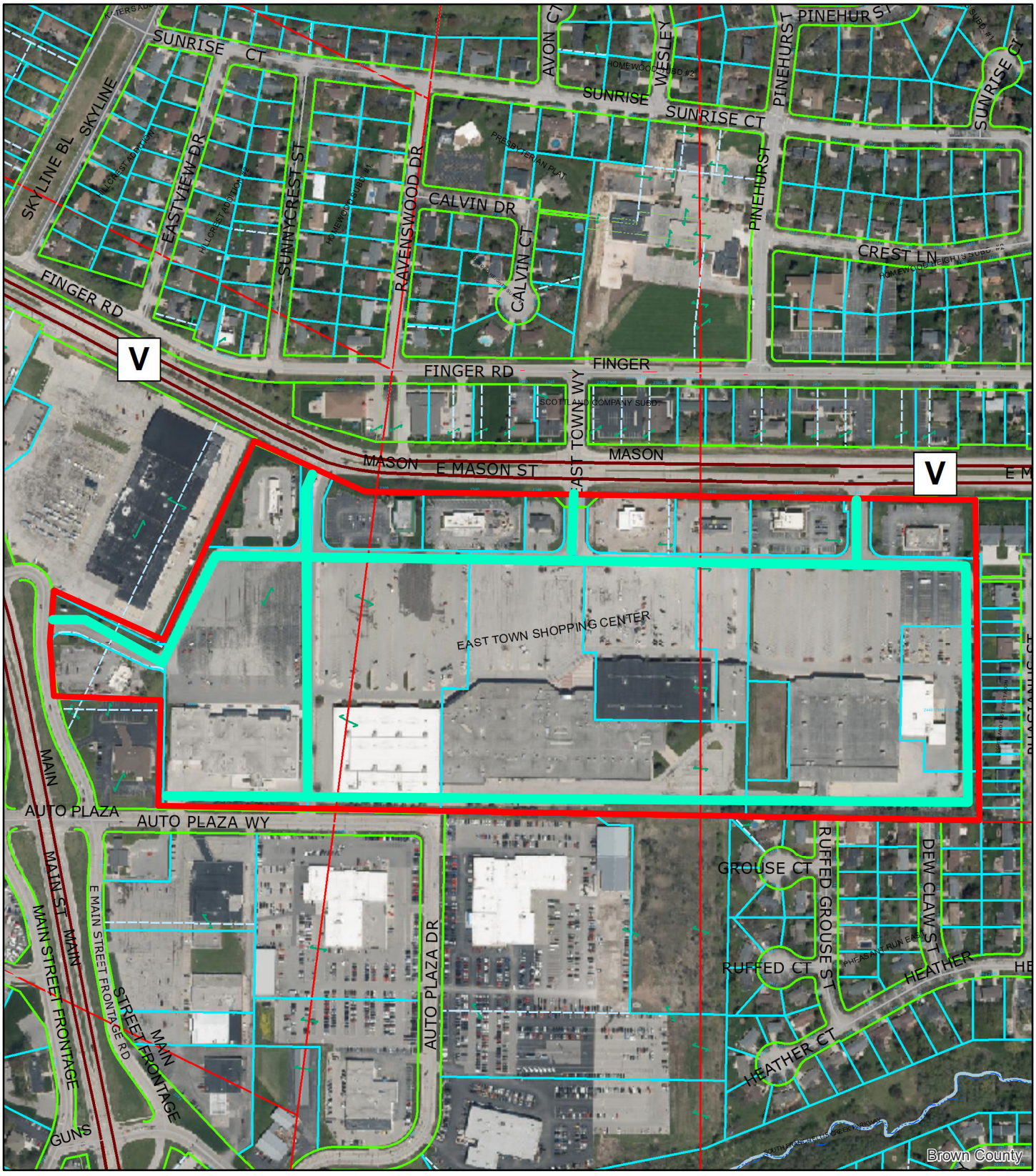
ATTEST:

_____
Clerk

ljm

Attachment: Exhibit E: Partial Easement Exhibit, Parcel 21-126-7-2
Exhibit C


EAST MASON STREET
CTH V
12' WIDE UTILITY EASEMENT
S89°36'59"E
70.00'
LOT 2
12 CSM 145
LOT 3
12 CSM 145
LOT 8
EAST TOWN
SHOPPING CENTER
LOT 1
CSM 9370
21-126-14
21-126-15
21-126-8
21-126-9
N00°23'01"E
99.51'
S00°23'01"W
100.08'
NW COR.
LOT 6
S89°24'00"E 246.03'
C1
C2
S89°24'00"E 292.71'
N00°36'00"E
36.00'
36' WIDE ROADWAY EASEMENT- FROM PLAT
30' WIDE SEWER AND WATER EASEMENT
Doc. No. 971321
S00°00'52"W
36.00'
N89°24'00"W 689.11'
FUTURE LOT
LOT 1
CSM 9084
LOT 6
EAST TOWN
SHOPPING CENTER
21-126-7
21-126-3
30' WIDE SEWER AND WATER EASEMENT
Doc. No. 971319
30' WIDE SEWER AND WATER EASEMENT
Doc. No. 971321



(ZP 21-26) Exhibit C

0 115 230 460 Feet

N

This is a compilation of records and data located in various City of Green Bay offices and is to be used for reference purposes only. The City of Green Bay is not responsible for any inaccuracies or unauthorized use of the information contained within. No warranties are implied. Map prepared by City of Green Bay Department of Community and Economic Development. E.R. 26 Oct 2021 X:\Planning\Basemaps\template_8.5x11.mxd

Semi-Public Roads

Boundary

ZONING ORDINANCE NO. 13-21

AN ORDINANCE REPEALING ZONING ORDINANCES NOS. 38-79, 10-81, 01-87, 20-88, 12-89, 19-96, 13-97, 04-98,19-98, 26-98, 08-00, AND 01-21 AND CREATING A PLANNED UNIT DEVELOPMENT (PUD) FOR THE 2300-2400 BLOCK EAST MASON STREET, EAST TOWN MALL (ZP 21-26)

THE COMMON COUNCIL OF THE CITY OF GREEN BAY DOES ORDAIN AS FOLLOWS:

SECTION 1. Zoning Ordinance No. 38-79, creating the Planned Unit Development (PUD) for the 2300-2400 block of East Mason Street, and all subsequent zoning ordinances amending it, including but not limited to ZO Nos. 10-81, 01-87, 20-88, 12-89, 19-96, 13-97, 04-98, 19-98, 26-98, 08-00, and 01-21, are hereby repealed. It is hereby declared to be the intention of the City of Green Bay that any Zoning Ordinances affecting said PUD not explicitly enumerated herein are likewise repealed in their entirety.

SECTION 2. Pursuant to section 44-29, Green Bay Municipal Code, together with the zoning map referred to therein, a Planned Unit Development for the 2300-2400 Blocks of East Mason Street is hereby created on the following described properties, collectively known as "East Town Mall":

Legal Description: Those parts of Lots 28 and 29 of Astor's Subdivision of Private Claims 3 through 7, East Side of Fox River, of Government Lot 1 and of the NE ¼ of the NW ¼ of Section 9, Township 23 North, Range 21 East, all lying in the City of Green Bay, Wisconsin described as:

Commencing at the southeast corner of Private Claim 7, East Side of Fox River; thence north 64°21'33" West 598.70 feet; thence North 43°33'47" West 33.37 feet to the easterly right-of-way line of U.S. Highway "141"; thence along said right-of-way North 11°13'00" West 660.52 feet; thence South 89°24'00" East 280.00 feet along the north line of Auto Plaza Way to the point of beginning; thence North 0°36'00" east 300.00 feet; thence North 89°24'00" West 313.49 feet to the east line of the frontage road; thence along said east line along the arc of a curve to the right with a radius of 597.79 feet and the chord of which bears North 12°59'58" West 37.19 feet; thence continuing along said east line North 11°13'00" West 68.00 feet; thence continuing along said east line along the arc of a curve to the right with a radius of 604.28 feet and the chord of which bears North 4°25'12" West 143.03 feet; thence continuing along said east line North 2°22'36" East 104.94 feet; thence continuing along said east line along the arc of a curve to the left with a radius of 87.57 feet and the chord of which bears North 1°25'43" East 2.90 feet; thence South 693.81 feet to the south line of Mason Street; thence along said south line South 63°49'30" East 20.00 feet; thence continuing along said south line South 66°51'59" East 376.91 feet; thence continuing along said south line South 89°05'47" East 97.12 feet; thence continuing along said south line South 89°36'59" East 434.67 feet; thence South 44°36'59" East 56.57 feet; thence South 89°36'59" East 70.00

feet; thence North 45°23'01" East 56.57 feet; thence South 89°36'59" East 1090.54 feet along the south line of Mason Street; thence South 89°48'27" East 52.91 feet; thence South 0°21'25" East 172.64 feet along the west line of the plat of "Scotland East"; thence North 89°38'35" East 9.11 feet; thence South 0°21'25" East 809.55 feet along the west line of said plat to the north line of the plat of "Pheasant Run East"' thence along said north line and along the south line of the NE ¼ of the NW ¼ of Section 9 and the south line of Government Lot 1 and the north line of Auto Plaza Way, North 89°24'00" West 2484.45 feet to the point of beginning and containing 57.382 acres.

Tax Parcels: 21-126-4, 21-126-5, 21-126-6, 21-126-14, 21-126-15, 21-126-8, 21-126-9, 21-126-9-1, 21-126-7, 21-126-3, 21-126-17, 21-126-13, 21-126-1, 21-126-2, 21-126-11-1, 21-126-11, 21-126-16, 21-126-10, 21-126-12

SECTION 3. Pursuant to Chapter 44, Article XX, et seq., Green Bay Municipal Code, as they apply, the following regulations are imposed:

A. Purpose and Intent. The purpose and intent of repealing and recreating the Planned Unit Development (PUD) for East Town Mall is to update language that has received multiple amendments. This ordinance will clarify the signage allowance for the campus. It will also allow for the creation of "in lot" parcels on this campus in their vast parking areas. The PUD will unify the campus with consistent zoning standards and provide appropriate buffering to surrounding properties. The PUD boundaries are shown in Exhibit B.

B. Permitted and Conditional Uses. The land uses which may be established and/or maintained on the subject property shall comply with uses as detailed under Community Center Commercial (C3) zoning, found in Chapter 33, Article VIII, Green Bay Municipal Code, with the following exceptions:
    1. Limited production and processing uses, as defined in Section 44-250, Green Bay Municipal Code, shall be permitted to be established and occupy the rear portion of the multiple tenant shopping mall building as depicted on Exhibit A, with the following conditions:
        a. Retail and/or service businesses shall occupy the northern section of the building with individual storefronts and entrances directly adjacent to the parking area.
        b. All outdoor display and storage associated with the limited production and processing uses on the property are prohibited.
        c. Truck traffic, delivery staging, loading/unloading, or other accessory uses associated with the limited production and processing uses on the property are prohibited to the north of the Mall's façade.
        d. Additional limited production and processing uses shall require a Conditional Use Permit to be established.
    2. Restaurants with a drive-through facility require a Conditional Use Permit to be established.

C. Prohibited Uses.
    1. Automobile sales- used or new
    2. Motor vehicle repair, major

D. Dimensional and Area Requirements. Dimensional and area requirements for structures on the subject property shall comply C3 zoning requirements, with the following exceptions:
    1. Lots. "In Lot" parcels, as described as a buildable lot with no public right-of-way access, are allowed within the PUD area if fronting an approved semi-public road, as detailed in Exhibit C with the following regulations:
        a. All semi-public roads must be created through a recorded permanent cross-access easement that includes public access and access to all adjacent parcels. The City of Green Bay must be a party to this easement.
        b. All semi-public roads shall be no less than 30-feet in width and shall not exceed 70-feet in width.
        c. This PUD is only in effect if/when the semi-public roads detailed in Exhibit C are recorded with the Brown County Register of Deeds on all adjacent parcels as described in Section 3.D.1.a above. This PUD will be considered void if no recordation happens within twelve (12) months of the adoption of this PUD.
        d. Additional semi-public roads shall be established only through amendment of this PUD and recording with the Brown County Register of Deeds on all adjacent parcels.
        e. Information related to the maintenance of each semi-public road shall be approved by the City of Green Bay and recorded with the permanent cross-access easement.
        f. All lot creation must be done according to Chapter 36, Green Bay Municipal Code, including the requirement that if five or more lots are to be created from a parent parcel within five (5) years, a subdivision plat is required. The requirement of public right-of-way frontage will be the only exception granted through this ordinance.
    2. Setbacks and Lot Dimensions: All setbacks are as established under the C3 Zoning District, with the following exception:
        a. "In Lot" parcels must have a minimum of a 60-foot frontage onto a semi-public road.
        b. "In Lot" parcels shall have 6-foot side and rear setbacks.
        c. "In Lot" parcels shall only have access on one semi-public or public road. No double-fronting parcels are permitted. However, corner lots are permitted.
    3. Heights of Structures: Height requirements shall be regulated as specified within the C3 Zoning District.

E. Signage. All signage shall be regulated as follows:
    1. New signs, including but not limited to freestanding and wall signs, shall conform to C3 Zoning District requirements, as specified in Chapter 30,

Signs, and in accordance with the following:

a. Freestanding signage is permitted for each "in lot" or parcel separate from the main mall structure in accordance with the following:
    1. There shall be a message panel/sign no greater than fifteen (15) feet in length by four (4) feet in height for a total of 60 square feet on one side. The message panel/sign may be two-sided, but may not have more than two sides. The message shall be limited to one business name per parcel and may consist of the business name and corporate logo. The corporate color scheme is permitted.
    2. The message panel/sign shall be directly mounted to a brick base ten (10) feet in length and three (3) feet in height. There shall not be any air space or opening between the message panel and the base. The texture, size, and color of the brick for the sign base shall be the same as that of the business structure on that parcel.
    3. The depth of the message panel/ sign and base shall not exceed two (2) feet. No message or logo shall be permitted on the depth of the sign.
    4. The signs shall be placed perpendicular to the street right-of-way or semi-public road. There shall be a ten-foot (10') minimum setback from the street right-of-way or semi-public road. Only one (1) sign is permitted for each parcel. The message panel and base constitute a "sign."
    5. The permitted freestanding signs shall be illuminated. All lighting shall be limited to the interior of the sign panels.
    6. All required dimensions or standards shall be no more or less than specified herein unless specifically stated.
    7. All signs are subject to sign permitting requirements.
b. Wall mounted signage for all principal buildings shall be restricted to the following:
    1. No more than 80 square feet of signage on any single wall.
    2. No more than 185 square feet of signage for all wall total.
    3. Accessory buildings shall not be allowed any signage.

2. Three (3) pylon directory signs and one (1) monument directory sign are permitted for the whole of the East Town campus. Approved pylon directory sign locations are noted in Exhibit D as signs 1, 2, and 3. Approved monument directory sign is noted in Exhibit D as sign 4. All directory signs are further regulated as follows:
    a. Any tenant of the main mall structure may have signage on the pylon directory signs. Any tenant within the East Town campus may have signage on the monument directory sign. The color of each tenant panel shall bear the corporate colors of the tenant identified by the sign.
    b. Any sign face changes require review and approval of a Sign Permit.
    c. Any changes to the design, location, or size of the existing directory

signs require review and approval of a Sign Permit and must conform to the following:

1. These signs must remain perpendicular to the nearest public right-of-way.
2. Pylon signs shall be no higher than 40 feet, and the monument sign shall be no more than twelve (12) feet. The height of the sign shall be measured from the finish grade of the entrance at which it is located.
3. The base of the column shall be no greater than six (6) feet in height and fourteen (14) feet in length.
4. The depth of the signs, base and column, shall not exceed three (3) feet.
5. The column shall be 24 feet in height and eight (8) feet in length.
6. The finish material and color of the base and column shall be the same as the structural finish material of the mall building.
7. Each directory sign must contain a campus identification portion that reads "East Town".

d. Tenant panels on directory signs may be internally illuminated. No exterior lighting is permitted.

e. Tenant panels may extend the full length of the directory sign or may extend only halfway.

f. Up to 25% of the pylon directory signs 2 & 3 and monument sign (4) may be used as a one-line multiple message sign. The design of the sign is subject to review and approval of the City. Multiple message signs are prohibited on pylon directory sign 1.

F. Site Plan Review & Standards

1. A site plan shall be submitted, reviewed, and approved in accordance with Chapter 44, Article XIX, Green Bay Municipal Code.
2. All service, loading and refuse areas shall be screened in accordance with Section 44-1917, Green Bay Municipal Code.
3. Any ground-mounted and/or roof-mounted mechanicals shall be screened compliant with Section 44-1919, Green Bay Municipal Code.
4. All "In Lots" shall be curbed around the property line aside from approved driveway areas.

G. Parking, Pedestrian Access, and Traffic

1. All parking and loading requirements for uses in the C3 Zoning District shall be as set forth in Chapter 44, Article XVIII, Green Bay Municipal Code, relating to Off-Street Parking, Drives and Loading.
2. Access to the development shall be limited to East Mason Street, Main Street frontage road, and Auto Plaza Way.
3. Shared parking is encouraged as part of this development.
4. Pedestrian and bike access is required as detailed in Section 44-1819. "In lots" have the same requirements as a standard lot.

H. Landscaping/Transitional Yard

1. All landscaping requirements are established under the Community Center Commercial (C3) zoning, further described in Sections 44-1964 through 44-1969, Green Bay Municipal Code, with the following exception:
    a. Any additional development within 100 feet of the eastern and southern boundaries adjacent to residentially zoned property shall require the installation of a minimum twenty-five-foot (25') wide landscaped area that includes a berm not less than four (4) feet in elevation next to the adjoining residential areas.

I. Compliance with all the regulations of the Green Bay Municipal Code not covered under the PUD.

SECTION 4. The provisions of this ordinance, including, without limitation, the granting of a conditional use permit and all obligations, conditions, restrictions, and limitations related thereto shall run with and be jointly and severally binding upon the fee simple owner and the beneficial owner of all or any portion of the subject property. All obligations, requirements, and rights of the owner shall run with the land and shall automatically be assigned to be binding upon and inure to the benefit of its successors and assigns, including, but not limited to, any entity acquiring any financial interest in the subject property and/or any subsequent owner and/or beneficial owner of all or any portion of the subject property.

SECTION 5. Each exhibit which is attached to this ordinance is deemed to be and is expressly made a part of and incorporated into this ordinance to the same extent as if each such exhibit and the plans identified therein had been set forth in its entirety in the body of this ordinance.

SECTION 6. All ordinances or parts of ordinances in conflict herewith are hereby repealed.

SECTION 7. In addition to all other remedies available to the City of Green Bay, the City may decline to issue any building or other permits otherwise required by any ordinance of this City while any violation of this ordinance remains uncured.

SECTION 8. If any provision in this ordinance is held invalid or unconstitutional by any court of competent jurisdiction, such a decision shall not affect the validity of any other provision of this ordinance. It is hereby declared to be the intention of the City of Green Bay that all provisions of this ordinance are separable.

SECTION 9. This ordinance shall not take effect until a public hearing is held thereon as provided by Chapter 44, Article II, Division 2, Section 44-82 Zoning Amendments, Green Bay Municipal Code, and the adoption and publication of this ordinance.

Dated at Green Bay, Wisconsin, this _____ day of _____, 2021.

APPROVED:

_____

Mayor Eric Genrich

ATTEST:

_____

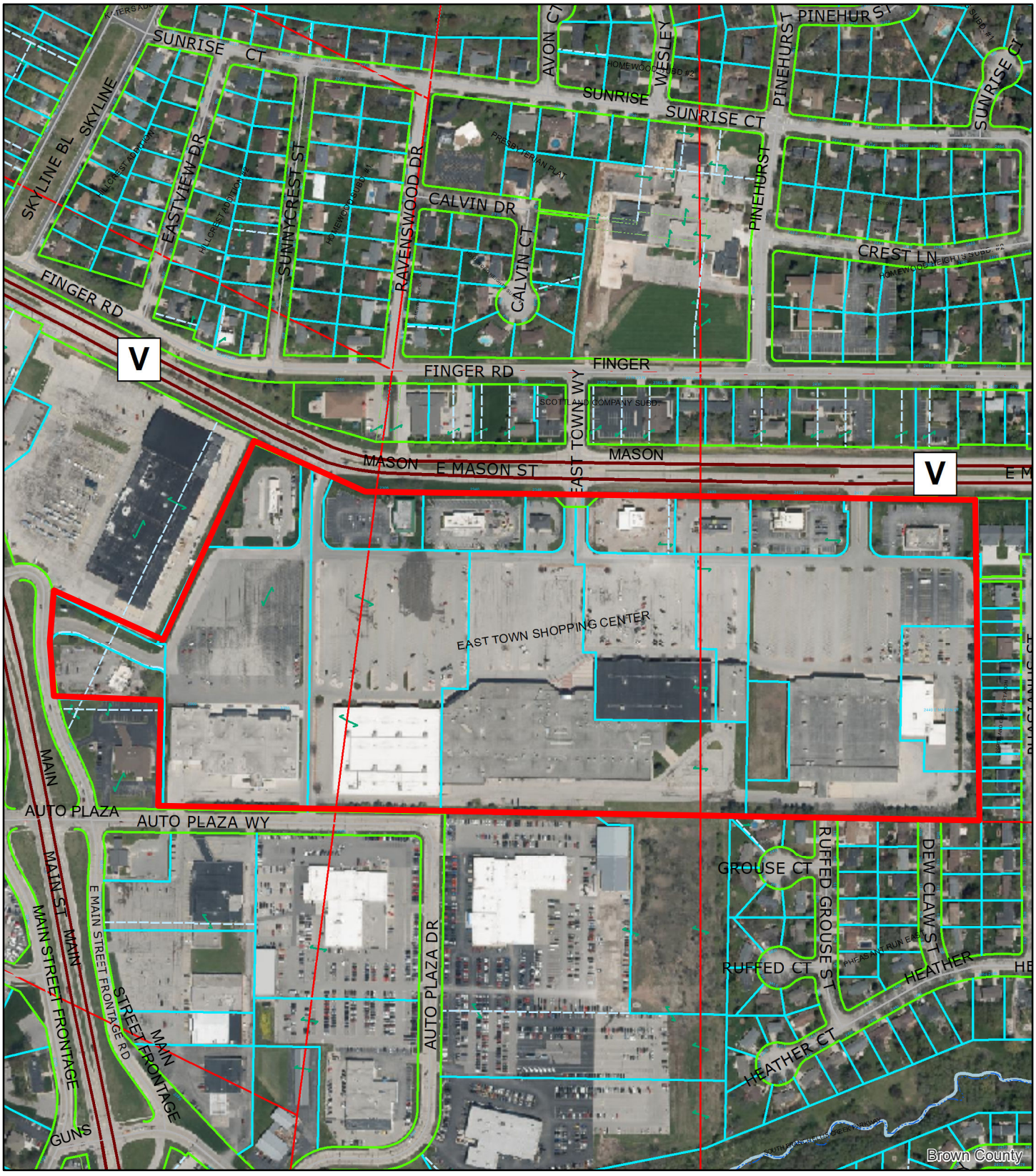
Clerk

Attachments:

Location Map
Exhibit A – Use Map
Exhibit B – Boundary Map
Exhibit C – Semi-Public Roads
Exhibit D – Pylon Sign Locations

Exhibit A – Area Permitting Limited Production and Processing Uses



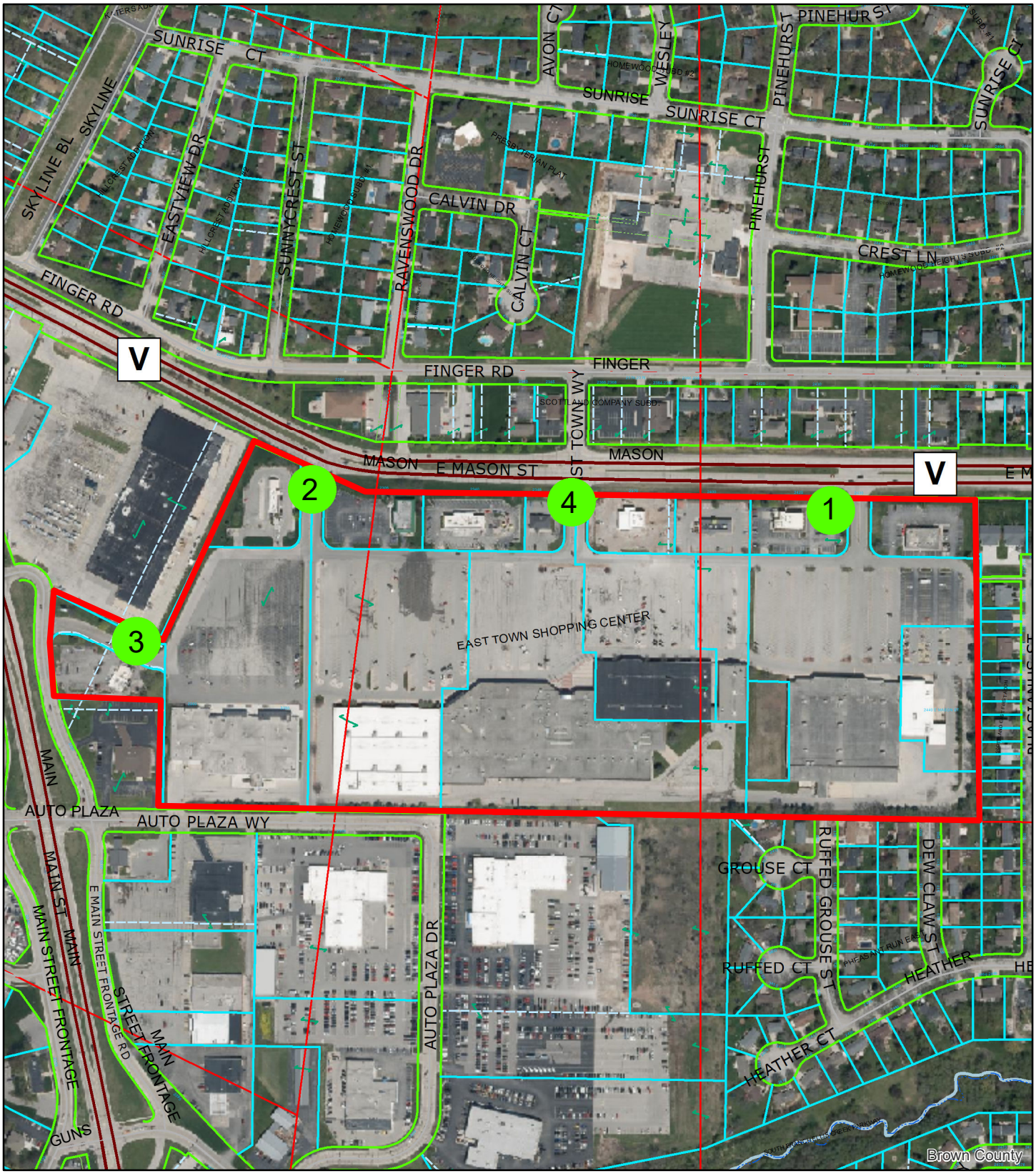


(ZP 21-26) Exhibit B

Feet
0 115 230 460
N

This is a compilation of records and data located in various City of Green Bay offices and is to be used for reference purposes only.The City of Green Bay is not responsible for any inaccuracies or unauthorized use of the information contained within. No warranties are implied. Map prepared by City of Green Bay Department of Community and Economic Development. E.R. 26 Oct 2021 X:\Planning\Basemaps\template_8.5x11.mxd

Boundary



(ZP 21-26) Exhibit D

0 115 230 460 Feet

N

Sign Locations

Boundary

This is a compilation of records and data located in various City of Green Bay offices and is to be used for reference purposes only. The City of Green Bay is not responsible for any inaccuracies or unauthorized use of the information contained within. No warranties are implied. Map prepared by City of Green Bay Department of Community and Economic Development. E.R. 26 Oct 2021 X:\Planning\Basemaps\template_8.5x11.mxd

Report to the
Green Bay Plan Commission

MEETING DATE	PREPARED BY
March 15, 2022	Paul Neumeyer, Staff

AGENDA ITEM # N.2

To authorize a Conditional Use Permit (CUP) for the reconstruction of an off-premise digital and static message billboard in a General Commercial (CI) district, 1902 N. Irwin Avenue, Approval of the request, subject to:

a. A site plan and applicable permit applications are submitted to the Community and Economic Development Department (CEDD) for review and approval.
b. The sign permit application shall not be valid unless approved by the Director of Public Works or his/her designee (Traffic Engineer).
c. The Department of Public Works shall be provided with the means to turn off a digital billboard in the case of hazardous glare, interference with the visibility or effectiveness of a traffic signal or control, or other traffic hazard caused by the sign.
d. The owner of the sign shall maintain up-to-date contact information with the Department of Public Works. The contact information is to provide 24 hours per day, 7 days per week access to a person or persons that is/are available at all times to respond to a hazardous sign situation.
e. The proposed signage shall meet all of the requirements of Article III, Off-Premise Advertising, Green Bay Zoning Code.

(Public Hearing held 03/07/2022)

BACKGROUND

Primary Address: 1902 N. Irwin Avenue

Alderperson/District: Ald. Kathy Lefebvre / District 6

Reason for Request: To permit the reconstruction of an off-premise billboard.

Surrounding Zoning and Land Uses:
SUBJECT: General Commercial (CI), existing billboard/vacant commercial property.

NORTH: I43
SOUTH: General Commercial (C1) - Light industrial
EAST: Light Industrial (LI) - Vacant
WEST: Light Industrial (LI) - Restaurant

Comprehensive Plan: The 2022 Smart Growth Plan designates the subject area as Commercial. The proposed use of the subject property is compatible with and is not contradictory to the applicable recommended policy and the future land use map.

Report: The subject property is located on the northeast corner of North Irwin Avenue and Radisson Street. The site is vacant but does contain a two-sided static message billboard approximately 30 ft. in overall

height. The proposal would be to reconstruct the sign in its current location, maintain the static message on the east side of the sign panel, and add a digital message panel on the west-facing sign panel. Each side of the sign would be a 14 ft. x 48 ft. sign panel, approximately 672 sq. ft.

There is an existing sign approximately 790 ft. from another two-sided static message billboard located to the west on Tax Parcel: 20-559, located along Radisson Street and fronting I43. A copy of the billboard design, easement from the applicant regarding the permissible area on site for the billboard and a street view image of the existing signage is attached within this agenda.

In the review of the proposed reconstructed billboard, the requirements of Chapter 44, Article III, Off-Premise Advertising, in addition to the requirements of Section 30-63 related to multiple message signs are required. Multiple message billboard signage is only permitted as a Conditional Use Permit (CUP) under Section 30-63. The proposed static message panel on the north of the structure is compliant with the requirements of Section 30-63. The standards for the multiple message sign proposed on the south side of the building board are subject to the following requirements found in Section 30-63:

Multiple message sign operation. Multiple message signs are permitted as a conditional use. To be considered for a conditional use permit, such signs must meet all regulations of this chapter and the following:
(1) Standards for multiple message signs.
a. The transition time, or the time it takes to change the message (electronically, via louver rotation, or other means), shall be one second or less.
b. The time the message remains in a fixed position shall be eight seconds or more, and movement or animation is prohibited.
c. Audio speakers and all forms of pyrotechnics are prohibited.
d. Electronic multiple message signs (digital billboards) shall be equipped with automatic dimming capability, and light produced by such signs shall not exceed 0.3 foot candles over ambient light levels. The ambient light reading is taken at least 30 minutes past sunset with the sign turned off or displaying all black copy. The fully lit reading is taken with the sign displaying all white copy. Measurement of light levels should be taken perpendicular to the face of the sign, and the following distances should be used as guidelines to determine where to take measurements:
1. 100 square foot or smaller sign to be measured 100 feet from source
2. Greater than 100 to 350 square foot sign to be measured 150 feet from source
3. Greater than 350 to 650 square foot sign to be measured 200 feet from source
4. Greater than 650 to 700 square foot sign to be measured 250 feet from source
e. Spill-over light exceeding 0.2 foot candles as measured at a residential property line is prohibited.

(2) Mitigation of multiple message signs. Since the maximum number of off-premise signs permitted in the City is fixed at the number in the current sign inventory, and because multiple message signs can display multiple messages, a new multiple message sign (whether new construction or sign replacement) shall be mitigated. In addition to meeting the requirements of Section 30-94, a new multiple message sign must earn at least 5 mitigation points per sign face. One or more existing billboards will be removed as part of the mitigation process.
a. Mitigation points can be earned in the following ways. Note that points are assessed and required per sign face.
1. Five (5) points per sign face for the removal of a billboard that is nonconforming due to location in the CBD, a natural area, or a historic district
2. Four (4) points per sign face for the removal of any other nonconforming billboard
3. Three (3) points per sign face for the removal of a conforming billboard that is capable in its existing structural condition of safely supporting a multiple message sign of the same area as the existing sign face.
4. Two (2) points per sign face for the removal of any other existing billboard that is not capable in its existing structural condition of safely supporting a multiple message sign of the same area as the existing sign face.
5. One (1) additional point per sign face for the removal of a billboard visible from a street or highway with a functional classification of Interstate, Freeway, or Principal Arterial
6. No points are awarded for the replacement of an existing billboard (While a digital billboard may be approved where an existing static sign has been removed from a conforming location, this sign removal does not count toward

the required mitigation points. The points must be obtained from other sign sites.)
b. A mitigation plan shall be submitted for review by the Planning Department, and more than one new multiple message sign may be included in a single mitigation plan. The cumulative points earned for sign removal may be applied to multiple signs within a single mitigation plan and sign permit application. However, any excess points remaining are not carried over or "banked" for future applications. In other words, mitigation points will not be tracked beyond a single sign project which may involve multiple new signs. The reason for this is to avoid conflicts between mitigation points and the existing cap on the total number of allowable off-premise signs.
c. If the cumulative result of a sign project and mitigation plan is a net reduction in signs, then the maximum allowable number of off-premise signs for the City as a whole will be reduced immediately. This means that signs removed under a mitigation plan can only be replaced with the multiple message sign(s) being mitigated. They cannot be replaced with other signs in the future.

(3) Permitted locations of multiple message signs
a. Sign message must be directed to a state or federal highway, or a designated connecting highway, as mapped by the Wisconsin Department of Transportation in accordance with Ch. 84.02(12), Wis. Stats.
b. Signs with a variable message face visible to drivers approaching an intersection, where drivers must also watch for cross traffic, bikes, and/or pedestrians, must comply with the following setbacks from that intersection as measured from the street right-of-way line.
1. 100 square foot or smaller sign to be set back at least 100 feet
2. Greater than 100 to 350 square foot sign to be set back at least 150 feet
3. Greater than 350 to 650 square foot sign to be set back at least 200 feet
4. Greater than 650 to 700 square foot sign to be set back at least 500 feet
c. Such signs shall not be located within one hundred (100) feet of residential district boundaries, school property, or public parks and parkways (including those so designated on the Official Map) if said signs are perpendicular to or facing away from such uses. This distance increases to four hundred (400) feet if signs are facing (oriented with message side parallel) said uses.

(4) Hazard abatement.
a. If the Director of Public Works or his/her designee finds that an electronic multiple message sign (digital billboard) is causing interference with the visibility or effectiveness of a traffic signal or control, the sign shall be turned off without delay.
b. If the Director of Public Works or his/her designee finds that an electronic multiple message sign (digital billboard) is malfunctioning in a fashion that creates a hazardous glare or other traffic hazard, the sign shall be turned off without delay.
c. In such a situation, the owner of the sign must then meet with City staff to determine how to rectify the situation, and the sign shall not be turned back on without City staff approval.
d. Each sign owner is to maintain up-to-date contact information with the Department of Public Works for such purposes. The contact information is to provide 24-7 (24 hour per day, 7 days per week) access to a person or persons that is/are available at all times to respond to a hazardous sign situation.

(5) Standard conditions of approval. The following are the minimum conditions of approval that shall be applied to the conditional use permit. Other appropriate conditions of approval may also be required by the Plan Commission and City Council.
a. A site plan and applicable permit applications (sign permit, electrical permit, building permit) shall be required for erecting a new multiple message sign or for converting an existing static display sign to a multiple message sign.
b. The sign permit application shall not be valid unless approved by the Director of Public Works or his/her designee (Traffic Engineer).
c. A mitigation plan shall be submitted for review and approval by the Planning Department.
d. If the US Department of Transportation, Federal Highway Administration concludes before June 1, 2010 that digital billboards or their particular operation are detrimental to traffic safety, then the hazard posed by this sign shall be resolved. If the hazard can be effectively resolved by adjusting the brightness, length of display, or other such performance issue, then this shall be allowed as the course of action. If the hazard cannot be effectively resolved by

adjusting the performance of the sign, then the sign shall be removed and may be replaced with an approvable sign.
e. The Department of Public Works shall be provided with the means to turn off a digital billboard in the case of hazardous glare, interference with the visibility or effectiveness of a traffic signal or control, or other traffic hazard caused by the sign.

The Zoning Ordinance Section 44-83(e) establishes seven standards for the Plan Commission to consider when reviewing a conditional use permit:

1. *The establishment, maintenance, or operation of the conditional use will not be detrimental to or endanger the public health, safety, or general welfare.*
2. *The establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.*
3. *The conditional use, its exterior architectural design, and functional plan of any proposed structure will not be injurious to the use of other property in the immediate vicinity nor substantially diminish or impair property values within the surrounding neighborhood.*
4. *Adequate utilities, access roads, drainage, and/or necessary facilities have been or are being provided.*
5. *Adequate measures have been or will be taken to provide ingress and egress and so designed as to minimize traffic congestion.*
6. *The conditional use shall have adequate parking facilities as specified in Article XVIII.*
7. *The conditional use shall, in all other respects, conform to the applicable regulations of the district in which it is located and all other applicable city ordinances.*

In the review of the requirements above in Section 44-83(e) and the standards found in Section 30-63, staff believes the applicant has demonstrated compliance with current requirements. The proposed CUP does not conflict with the current and future land uses as reflected in the City's Comprehensive Plan. The sign is not located near a residentially zoned district.

The two sign faces that were approved under the raze permits for the vacant lot on the northwest corner of N. Irwin Avenue and Eastman Avenue have a total of 6 points, enough to add a digital message panel on the south-facing sign face and meet the mitigation requirements found in Section 30-63(2)(a). Ald. Kathy Lefebvre and adjacent property owners within 200 ft. of the site have been notified of the request. As of the drafting of this report, staff has received no objections and one call regarding this request.

RECOMMENDATION

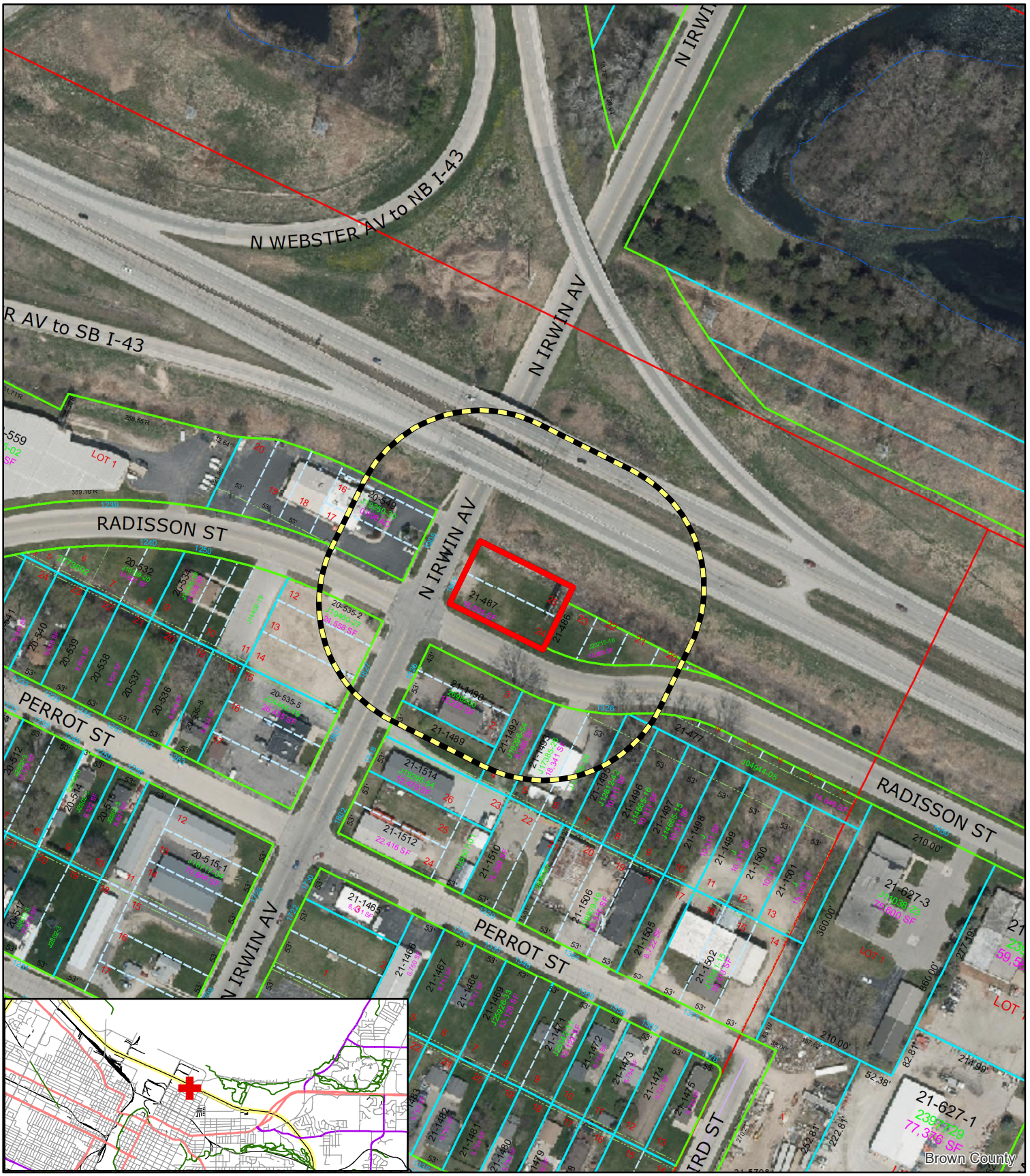
Approval of the request, subject to:

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4. The owner of the sign shall maintain up-to-date contact information with the Department of Public Works. The contact information is to provide a 24 hours per day, 7 days per week access person or persons that is/are available at all times to respond to a hazardous sign situation.
5. The proposed signage shall meet all of the requirements of Article III, Off-Premise Advertising, Green Bay Zoning Code.

FISCAL IMPACT

ATTACHMENTS

1. ZP 22-03 letter
2. Billboard Plan Set
3. Easement 1902 N Irwin Ave
4. Site View



Zoning Petition (ZP 22-03)
Proposed Conditional Use Permit (CUP)
1902 North Irwin Avenue

Subject Area

200' Property Owner Notice

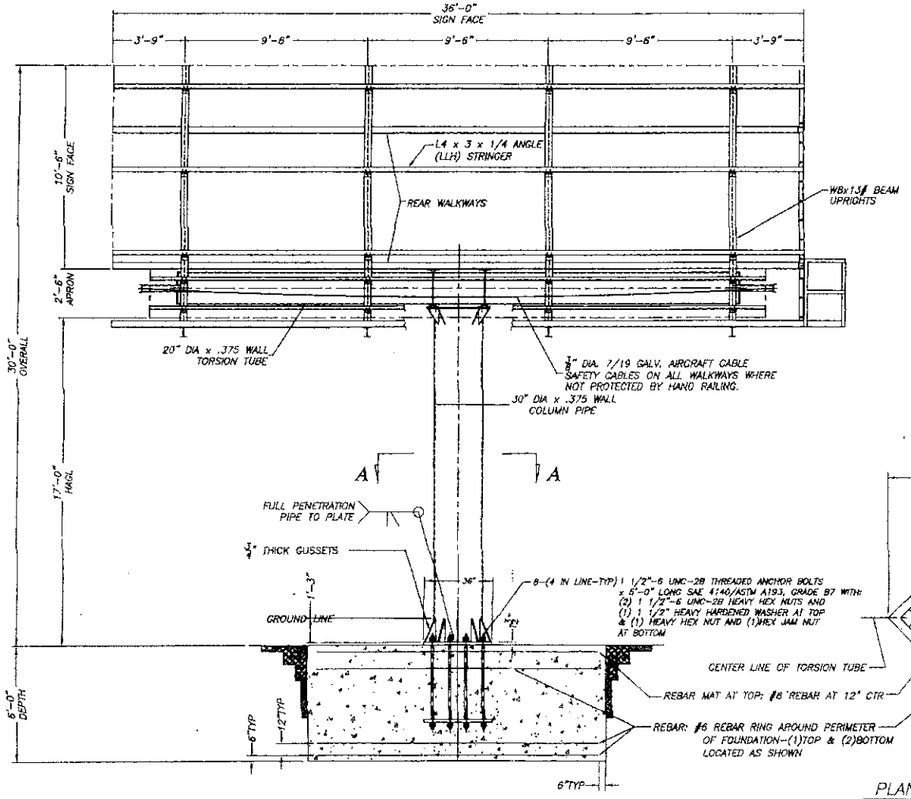
0 5,000 10,000 Feet

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This is a compilation of records and data located in various City of Green Bay offices and is to be used for reference purposes only. The City of Green Bay is not responsible for any inaccuracies or unauthorized use of the information contained within. No warranties are implied.
Map prepared by PN

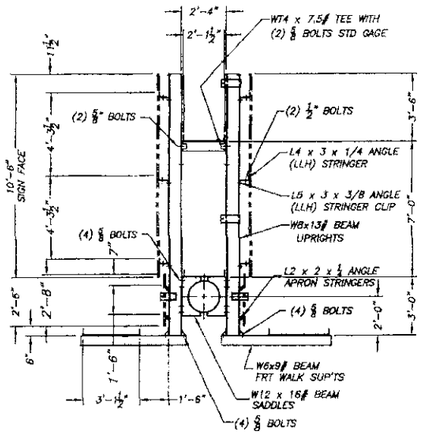
66-9093

REV.	CHANGE	BY	DATE
A	REVISED FROM 42' OVERALL	PP	05/04/16

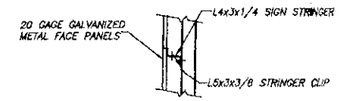


PLAN VIEW OF FOUNDATION

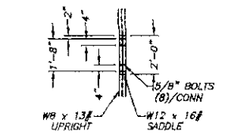
FOUNDATION BY OTHERS



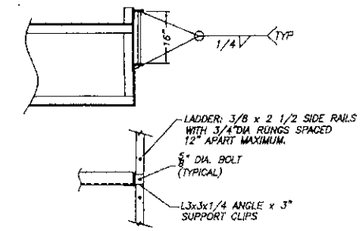
CROSS SECTION VIEW



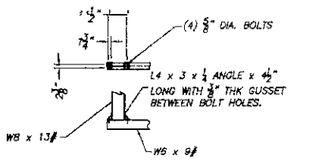
HANGER ATTACHMENT



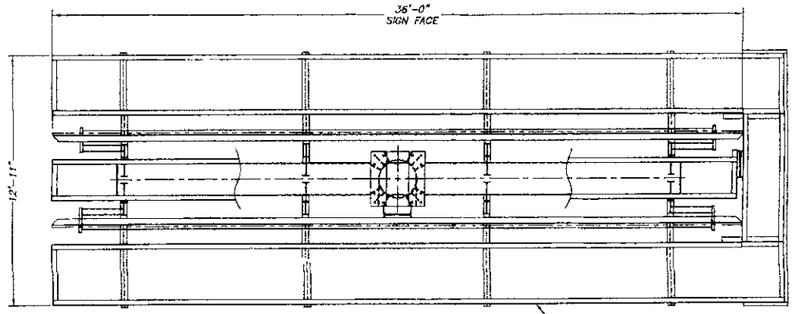
SADDLE BEAM TO UPRIGHT CONNECTION



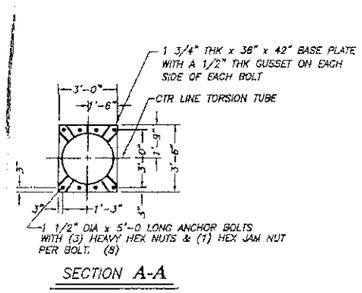
REAR LADDER TO REAR WALKWAY DETAIL



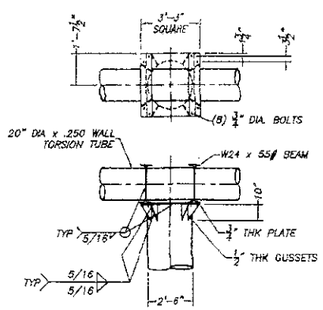
SUPPORT TO UPRIGHT CONNECTION



PLAN VIEW



SECTION A-A



TORSION TUBE CONNECTION

SPECIFICATIONS:

1. STEEL ROLLED "W" BEAM SECTIONS: ASTM A992
   ALL OTHER STEEL ROLLED SECTIONS: ASTM A36
2. PIPE SECTIONS: A.P.I. 5L X42
3. BOLTS: MINIMUM 1/2" DIAMETER UNC
   1/2"DIAMETER: GRADE A325
   5/8"DIAMETER & LARGER: GRADE A325
4. CONCRETE: 3000 P.S.I. @ 28 DAYS.
5. HORIZONTAL SOIL PRESSURE: 300#/FT²/FT
6. THIS DESIGN MEETS THE REQUIREMENTS OF THE 2012 INTERNATIONAL BUILDING CODE FOR 115 M.P.H. (3 SEC GUST) WIND SPEED, RISK CATEGORY II, AND EXPOSURE "C".
7. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS STANDARDS USING E-70 ELECTRODES.
8. ALL WALKWAYS TO HAVE SAFETY CABLES
9. REINFORCING BAR: ASTM A-615 GRADE 60 (REBAR IS NOT REQUIRED IF FIBER REINFORCED CONCRETE IS USED.)
10. WIND LOADING EXCEEDS SEISMIC LOADING.
11. STRUCTURE DESIGNED TO ACCEPT (2) DIGITALS LATER AT 3,550# EACH.

10 MAY 16

PRODUCTIVITY FABRICATORS

SCALE: NONE		DRAWN BY:
DATE: 05/03/16		P. PLATT

10'-6" x 36' CM, BB, 30' OVERALL

LAMAR - DE PERE, WI

DRAWING NUMBER 66-9093

EASEMENT AGREEMENT

Document Number | Title of Document

2257276

CATHY WILLIQUETTE
BROWN COUNTY RECORDER
GREEN BAY, WI

RECORDED ON
05/22/2006 01:43:30PM

REC FEE: 29.00
TRANS FEE:
EXEMPT #
PAGES: 10

Record this document with the Register of Deeds (10)

Name and Return Address:
Liebmann Conway Law Firm
Thomas M. Olejniczak (4)
P.O. Box 23200
Green Bay, WI 54305-3200

See Attached
(Parcel Identification Number)

instrument drafted by:
mey Thomas M. Olejniczak
mann, Conway, Olejniczak & Jerry, S.C.
South Adams Street
n Bay, WI 54301

n County – Owned Properties and One Easement

EASEMENT AGREEMENT

THIS EASEMENT AGREEMENT (this "Easement Agreement") is made this 11th day of April, 2006, by and between Beverly French (hereinafter referred to as "Grantor"), and Orde Outdoor, LLC, a Wisconsin limited liability company (hereinafter referred to as "Grantee").

RECITALS

WHEREAS, Grantor is the owner of or the owner of an easement in the following described property ("Real Property"):

SEE ATTACHED ADDENDUM.

WHEREAS, Orde Advertising, Inc., a Wisconsin corporation ("Seller"), desires to sell to NextMedia Outdoor, Inc., a Delaware corporation ("Buyer"), and Buyer desires to purchase from Seller, one hundred percent (100%) of the units of membership interests (the "Units") of Grantee, pursuant to the terms and conditions of that certain Unit Purchase Agreement dated March 31, 2006 (the "Purchase Agreement"), by and among Grantor, Seller and Buyer;

WHEREAS, in connection with the transactions to be consummated by the Purchase Agreement, Grantor desires to grant an easement to Grantee pursuant to this Easement Agreement and to provide such services for the benefit of the parties as described herein.

NOW THEREFORE, in consideration of the recitals and the mutual covenants and agreements contained herein and in the Purchase Agreement, Grantor and Grantee hereby agree as follows:

1. Ingress and Egress; Access. Grantor does hereby grant, demise, convey, and otherwise transfer to Grantee, its successors, assigns, tenants, employees, customers, and/or invitees an exclusive and perpetual easement for ingress and egress through and across, and access to, the Real Property in connection with the purposes described herein.

2. Use and Occupancy. Grantor does hereby grant, demise, convey, and otherwise transfer to Grantee, its successors, assigns, tenants, employees, customers, and/or invitees an exclusive and perpetual easement for the use, occupancy, inspection, maintenance and repair of the outdoor advertising displays owned by Grantee and located or which may be located on the Real Property.

3. Grantor Warranties. Grantor warrants to Grantee that it is the owner in fee simple of the Real Property upon and within which the easement premises is contained, that said Real Property is free of all liens and encumbrances which may interfere with the easements granted herein, and that the Grantor has full right and authority to grant easements concerning the same.

4. Grantee Covenants. In consideration of the easement conveyed hereunder, Grantee covenants and agrees to provide and perform the following services, at Grantee's sole cost and expense, for the mutual benefit of the parties: all snowplowing and snow removal services, lawn care services and any and all other maintenance of the easements deemed necessary by Grantee, in its sole discretion, for Grantee's operation of its business on the real property covered by the easements.

[SIGNATURE PAGE FOLLOWS]

Dated this 11th day of April, 2006.

GRANTOR:

Beverly French

STATE OF WISCONSIN :
: ss.
COUNTY OF BROWN :

Personally came before me this 11th day of April, 2006, the above-named Beverly French, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Debbie A. Holewinski
* Debbie A. Holewinski
Notary Public, State of Wisconsin
My Commission expires: 2-17-08

GRANTEE:

ORDE OUTDOOR, LLC

By:
Name: Beverly French
Title: Vice President of Orde Advertising, Inc., the sole member

STATE OF WISCONSIN :
: ss.
COUNTY OF BROWN :

Personally came before me this 11th day of April, 2006, the above-named Beverly French of Orde Outdoor, LLC, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Debbie A. Holewinski
* Debbie A. Holewinski
Notary Public, State of Wisconsin
My Commission expires: 2-17-08

#166056

~~PROPERTY NUMBER TWENTY-ONE:~~

Address: South Broadway

Tax Parcel No.: 2-107

Legal Description:

All that part of Lot Twelve (12), Block "B", lying West of the West line of the right-of-way of the Green Bay and Western Railway Company, according to the recorded Plat of C.L.A. Tank's First Addition, in the City of Green Bay, West side of Fox River, Brown County, Wisconsin.

PROPERTY NUMBER TWENTY-FIVE:

Address: 1902 North Irwin Avenue

Tax Parcel No.: 21-487

Legal Description:

Lots Twenty-four (24) and Twenty-five (25), Block Ninety-seven (97), according to the recorded Plat of Addition to Green Bay by the Business Men's Association, in the City of Green Bay, East side of Fox River, Brown County, Wisconsin.

PROPERTY NUMBER THIRTY-TWO:

Address: 1200 Block South Monroe Avenue

Tax Parcel No.: AL-25

Legal Description:

Unplatted parts of Private Claims 9E through 28E lying between Fox and East Rivers - that part of Private Claim 10E lying between railroad and Monroe Avenue; except northerly 162 feet and except as described in J13408 I34, Town of Allouez, Brown County, Wisconsin.


Radisson St
Google

Report to the
Green Bay Plan Commission

MEETING DATE	PREPARED BY
March 15, 2022	Stephanie Hummel, Staff

AGENDA ITEM # N.3

To rezone 2260 Main Street from General Commercial (C1) to Highway Commercial (C2). (Public Hearing held 03/07/2022)

BACKGROUND

Primary Address: 2260 Main Street

Alderperson/District: Ald. Lynn Gerlach / District 3

Reason for Request: The proposed rezoning would allow for the development of a used car dealership.

Surrounding Zoning and Land Uses:
SUBJECT: General Commercial (C1) - Commercial- Car Rental
NORTH: Right-of-Way & General Commercial (C1) - Main Street, Main Street Frontage Road, Commercial-Offices
SOUTH: General Commercial (C1) - Commercial- Bar, Single-Family Residential, Farmland
EAST: Right-of-Way & General Commercial (C1) - Main Street, Commercial- Offices
WEST: Varied Density Residential (R3) & General Commercial (C1) - Single- & Multi-Family, Commercial-Office

Comprehensive Plan: The 2022 Smart Growth Plan designates this area for Commercial uses.

Report: The subject parcel, 2260 Main Street, is a .524 acre site with street frontage on three sides along Main Street and Guns Road. It is currently zoned General Commercial (C1), which does not allow auto sales. The applicant is requesting a rezoning to Highway Commercial (C2) which allows auto sales as a permitted use. Standard site plan review would be required for this use, as well as the enforcement of the following land development standards:
Section 44-1584(e): Automobile sales/rentals.
(1)The lot or area shall be provided with a permanent, durable, and dustless paved surface and shall be graded and drained so as to dispose of all surface water accumulated within the area.
(2)Vehicular access to the outdoor sales/display area shall be at least 30 feet from the intersection of any two streets.
(3)All repairs shall be conducted within a completely enclosed building.
(4)The minimum lot area shall be 15,000 square feet. A site plan shall be submitted showing the layout of the vehicles for sale or rent, employee parking, and customer parking.

The rezoning to C2 is consistent with the Comprehensive Plan and keeping with other zoning and uses in the area. The area surrounding this property has a mix of zoning districts and a wide variety of uses, from farmland to multi-family to bar uses. While most of the zoning is C1, staff believe this parcel is a good candidate for C2 zoning as it is surrounded by street frontage which includes a major highway, Main Street. There are two parcels just south of this request that have current residential uses, but they are zoned C1. Further south of those parcels is commercially zoned farmland and the east-side Walmart site. This area has

great potential for further commercial and mixed-use development. Because of this, staff is supportive of this request.

Ald. Lynn Gerlach and adjacent property owners within 200 ft. have been notified of the request. As of the drafting of this report, staff had received no inquiries regarding the request.

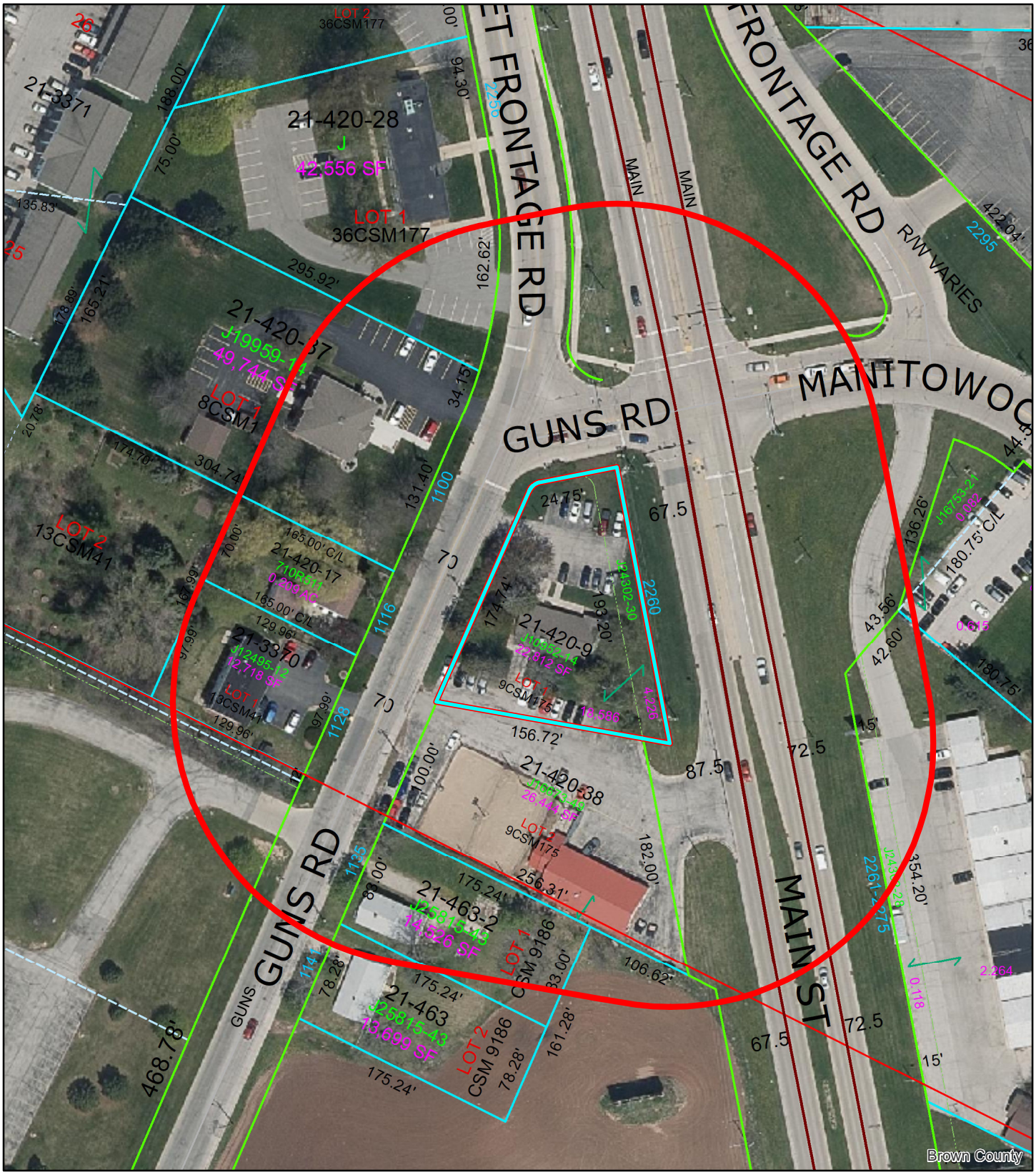
RECOMMENDATION

Approval of the request.

FISCAL IMPACT

ATTACHMENTS

1. ZP 22-05 Map
2. ZP 22-05 Street View



(ZP 22-05) Rezone C1 to C2
2260 Main Street

0 25 50 100 Feet

N

This is a compilation of records and data located in various City of Green Bay offices and is to be used for reference purposes only. The City of Green Bay is not responsible for any inaccuracies or unauthorized use of the information contained within. No warranties are implied. Map prepared by City of Green Bay Department of Community and Economic Development. E.R. 23 Feb 2022 X:\Planning\Basemaps\template_8.5x11.mxd

2260 Main Street

200-ft. Notification Area


M-29 Truunk

Report to the
Green Bay Plan Commission

MEETING DATE	PREPARED BY
March 15, 2022	Madison Smith

AGENDA ITEM # N.4

To rezone 1840 Bond Street from Low-Density Residential (R1) to Public Institutional (PI). (Public Hearing held 03/07/2022)

BACKGROUND

Primary Address: 1840 Bond Street

Alderperson / District: Ald. Mark Steuer / District 10

Reason for Request: The current land use does not comply with the zoning and the applicant wants to work with the City of Green Bay to rezone the parcel for consistency to comply with future land use goals. The current land use for the parcel is a church which is only permitted on land zoned Public Institutional (PI).

Surrounding Zoning and Land Uses:
SUBJECT: R1 (Low Density Residential-New Lots)

NORTH: Low Density Residential (RI) - Single-family homes
Varied Density Residential (R3) - Residential
SOUTH: Low Density Residential (RI) - Single-family homes
EAST: Public Property/Institutional (PI) - Religious Institution/Educational Institution
Business Park (PB) - Industrial/Business
WEST: Low Density Residential (RI) - Single-family homes

Comprehensive Plan: The 2022 Smart Growth Plan designates the subject area/parcel as residential and other public or semi-public. The entire parcel is owned by Bay City Baptist. The applicant currently does not wish to divide the parcel. The rezone application aligns with the future land use, and the applicant wants the current land use to continue.

Wisconsin State Statute Consistency Analysis:
Wisconsin Statute 66.0103 authorizes a local government to prepare a code for some or all of its general ordinances. It is also important to note, 62.23(7b) (§) The governing body may enact, without referring the matter to the plan commission, an interim zoning ordinance to preserve existing zoning or uses in all or part of the extraterritorial zoning jurisdiction while the comprehensive zoning plan is being prepared. The proposed rezone is consistent with the comprehensive plan. The proposed use of the subject property is compliant with the applicable recommended policy and the future land use map.

City of Green Bay Municipal Code:
The Code outlines permitted uses for **Residential Districts** (R1, R2, R3) within Section 44-551:

The residential districts are established to preserve and enhance the quality of living in residential

neighborhoods, to regulate structures and uses which may affect the character or desirability of residential areas, to encourage a variety of dwelling types and locations and a range of population densities consistent with the City's comprehensive plan, and to ensure adequate light, air, privacy, and open space. The residential districts and their purposes are as follows:

1. **R-1 Low-Density Residential District** provides an environment of predominantly single-family dwellings on moderately sized lots. Infill development is encouraged on lots that are consistent in size and dimensions with the predominant lot size and type on adjacent parcels. Two-family dwellings are permitted in limited numbers, consistent with the goals of promoting affordable housing and encouraging a variety of housing sizes and types in each neighborhood.
2. **R-2 Medium-Density Residential District** is established to provide an environment of moderate-density single- and two-family dwellings, townhouses, and small multifamily buildings that are designed to be compatible with their neighbors.
3. **R-3 Varied Density Residential District** is established to provide for an environment of moderate- to high-density attached and multifamily housing designed to present an attractive appearance to neighboring streets and adjacent uses, to include sufficient private and semi-private outdoor space, and to be well integrated into their surroundings.

The **Public Institutional District** is outlined in Section 44-854 and 44-855:
The Public Institutional District (PI) is intended to provide for a district for public and civic buildings and large institutional uses that otherwise may not fit into other zoning districts because of their specialized land use needs and public purpose. This designation serves as a notice to those owning or buying land in proximity to publicly-owned land which is not ordinarily subject to the regulations of this chapter. Please see Table 44-14 within the municipal code for principal, permitted, conditional, and prohibited uses in the PI district. Specific development standards are also listed.

Report: The subject property is located in the northwest in the City of Green Bay. Bay City Baptist Church, 1840 Bond Street, is currently zoned Low Density Residential (R1) and is tax exempt as an educational/faith-based institution. In order to remain compliant with the City code and comprehensive plan, this rezone would change the parcel from RI to PI and conform to the current zoning and future land use.

The proposal put forth by Jim Hinze, on behalf of Bay City Baptist Church, is to zone the entire parcel owned by the church as a Public Institution (PI). Proactive zoning is a way for the city to help maintain the health, safety and general welfare of city residents. The Planning and Zoning Division has laid the City out into neighborhoods, and on a prescribed schedule, inspections are performed within the City of Green Bay. Any owner of a property found in violation of the Zoning Ordinance is notified and given 10 or 30 days, depending upon the type of violation, to bring their property into compliance with the Zoning Ordinance. The parcel currently has no violations. However, the current land use does not comply with the current zoning.

The purpose of the PI District is to recognize that certain public, civic, and institutional support uses and activities of a generally low level of intensity are necessary and proper for the conduct of a civilized society and that in the proper context such uses may coexist with little harm to other neighboring uses. It is likewise the intent of this district to establish in a general sense the parameters in which these uses may operate, in order to provide their benefits with minimal burden upon surrounding properties and uses. The PI District permits uses such as schools, libraries, police and fire stations, churches, judicial centers and governmental or public utility administration buildings and uses, and the like.

All projects in the PI District require a staff-level site plan review to ensure that:

a. The appearance and form of improvements with respect to site and architectural design shall be consistent with the general theme of the area in which the use is located. This requirement will be based upon a site-specific analysis (site plan review) and may necessitate such reasonable additional requirements as may be judged prudent to achieve the desired results of acceptable coexistence with neighboring uses.
b. Special consideration may be given to such site-specific design elements as may be required to accommodate particular operational or other unique characteristics of the individual uses, which may enhance or relax the minimum standards prescribed herein, with specific written justification for the same noted in the plans.
c. All lights or lighting arrangements used for purposes of advertising or night operations are directed away from adjoining or nearby residential properties, and further meet the requirements of § 156.310(G).

The proposed parcel to be rezoned will require complete rezoned requirements in Section 44-854 of the Municipal Code. The proposed rezone does not conflict with the current and future land uses as reflected in the City's Comprehensive Plan. Ald. Mark Steuer and adjacent property owners have been notified of the request. As of the drafting of this report, staff has received no comments or objections.

RECOMMENDATION

Staff recommends approval.

FISCAL IMPACT

ATTACHMENTS

1. ZP 22-06 Zoning Map
2. ZP 22-06 Future Landuse Map
3. ZP 22-06 Ortho Photo
4. ZP 22-06 Street View
5. Photo 4
6. Photo 5
7. Photo 6
8. Photo 1
9. Photo 2
10. Photo 3

Current Zoning – 1840 Bond Street

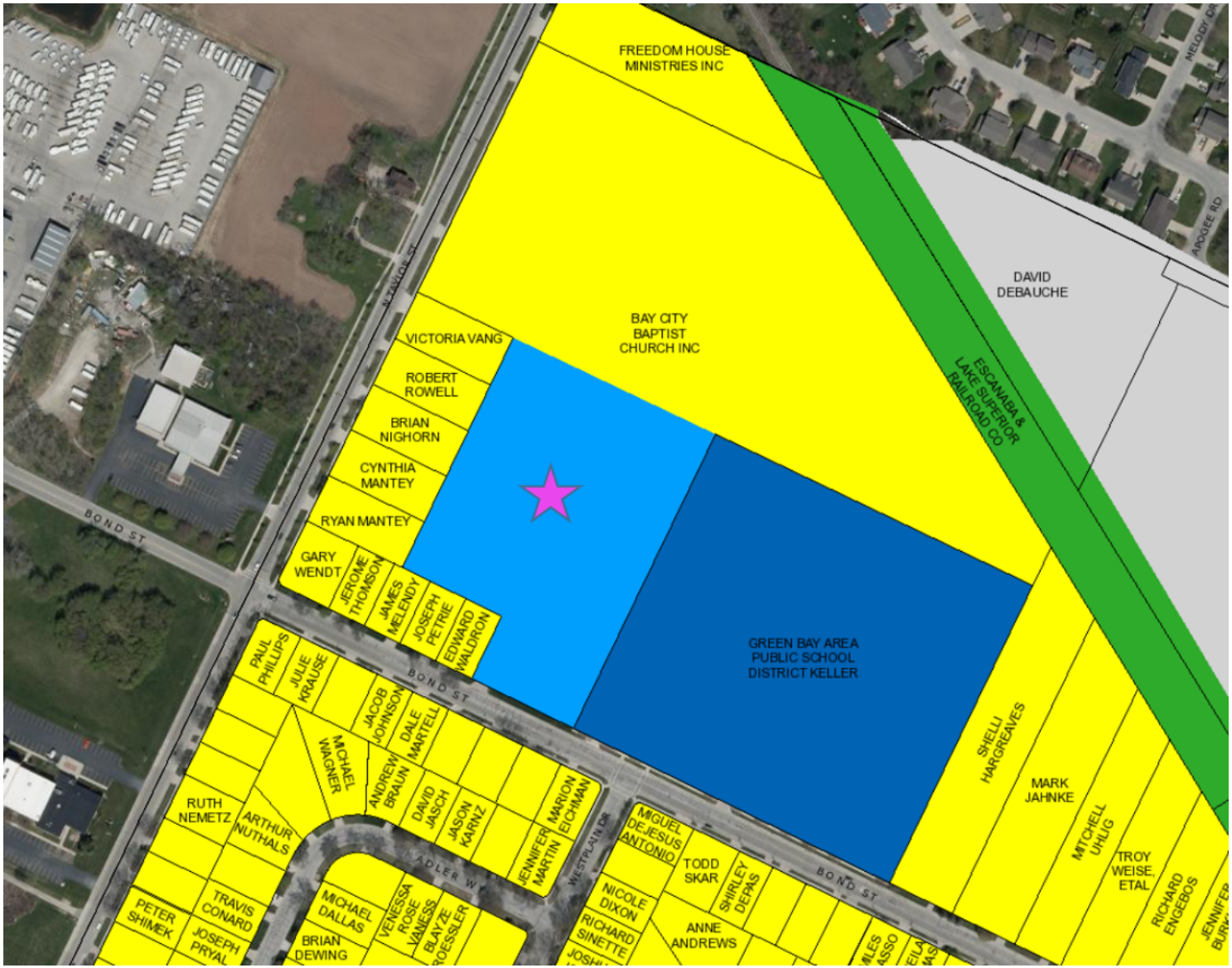


Zoning Legend

- RR - Rural Residential
- R1 - Low Density Residential-New Lots
- R2 - Medium Density Residential
- R3 - Varied Density Residential
- OR - Office Residential
- NC - Neighborhood Commercial
- C1 - Commercial One
- C2 - Commercial Two
- C3 - Commercial Three
- D1 - Downtown One
- D2 - Downtown Two
- GI - General Industry
- S-RLI - Special District Light Industry
- LI - Light Industry
- BP - Business Park
- PI - Public Property / Institutional
- CON - Conservancy

N

Future Landuse – 1840 Bond Street



Future Landuse Legend

- Business Park
- Commercial
- General Industry
- High Intensity Retail, Office or Housing
- Institution
- School
- Other Public or Semi Public
- Water
- Low Density Residential
- Low / Medium Density Housing
- Medium / High Density Housing
- Light Industry
- Medium Intensity Retail, Office or Housing
- Traditional Neighborhood Development
- Unknown
- Undevelop
- Parks
- Downtown
- Private Open Space
- Wetlands

N


N Taylor St
N Taylor St
N Taylor St
Green Bay Fear
Haunted House
Bond St
Bond St
Bond St
Bay City Christian School
N Taylor St
N Taylor St
Keller Elementary School


BAYCITY








BC
BAYCITY
BAPTIST CHURCH
Bay City Christian School
NOTICE OF
ZONING
ACTION





Report to the
Green Bay Plan Commission

MEETING DATE	PREPARED BY
March 15, 2022	Madison Smith

AGENDA ITEM # N.5

To vacate an alley between John Street and E. Mason Street.

BACKGROUND

Primary Address: 1567 E. Mason Street

Alderperson/District: Ald. Bill Galvin / District 4

Reason for Request: To vacate unimproved alley.

Subject Property:
RI-Low Density Residential - Single Family Homes

Comprehensive Plan: The Smart Growth 2022 Plan calls for Low Density Residential for the subject area. The surrounding parcels to the north, south and west on the future land use plan illustrate Low Density Residential. To the east and southeast there are adjacent commercial parcels.

Report: The petitioner is proposing an alley vacation located on 1567 E. Mason Street in the City of Green Bay. The owner of the northern and southern parcels surrounding the alley is Grand Central, LLC. An alley vacation would be absorbed into the parcels of the sole property owner. In the City Zoning Code Chapter 44: Alley means a public or private way typically less than 20 ft. wide and permanently reserved as a means of access to abutting property. A street or alley "vacation" means that the public/owner is letting go of, or "vacating" the public interest in a property. After a street or an alley is vacated, the public no longer has a right to use the property for access. The applicant is the only affected property owner for the proposed alley vacation.

Ald. Bill Galvin, affected property owners and the following departments and agencies were informed of this request with the following comments:

- Green Bay Water Utility: No objections
- Green Bay Parks, Recreation, and Forestry: No objections
- Green Bay Fire Department: No comment
- Green Bay Police Department: No comment
- Green Bay Public Works: No objections, no facilities present
- Green Bay Area Public Schools: No comment
- Utility Providers (Mobilitie, ATC, WPS, ATT): No objections or impacts

Staff did not receive comments from the Ald. B. Galvin or property owners.

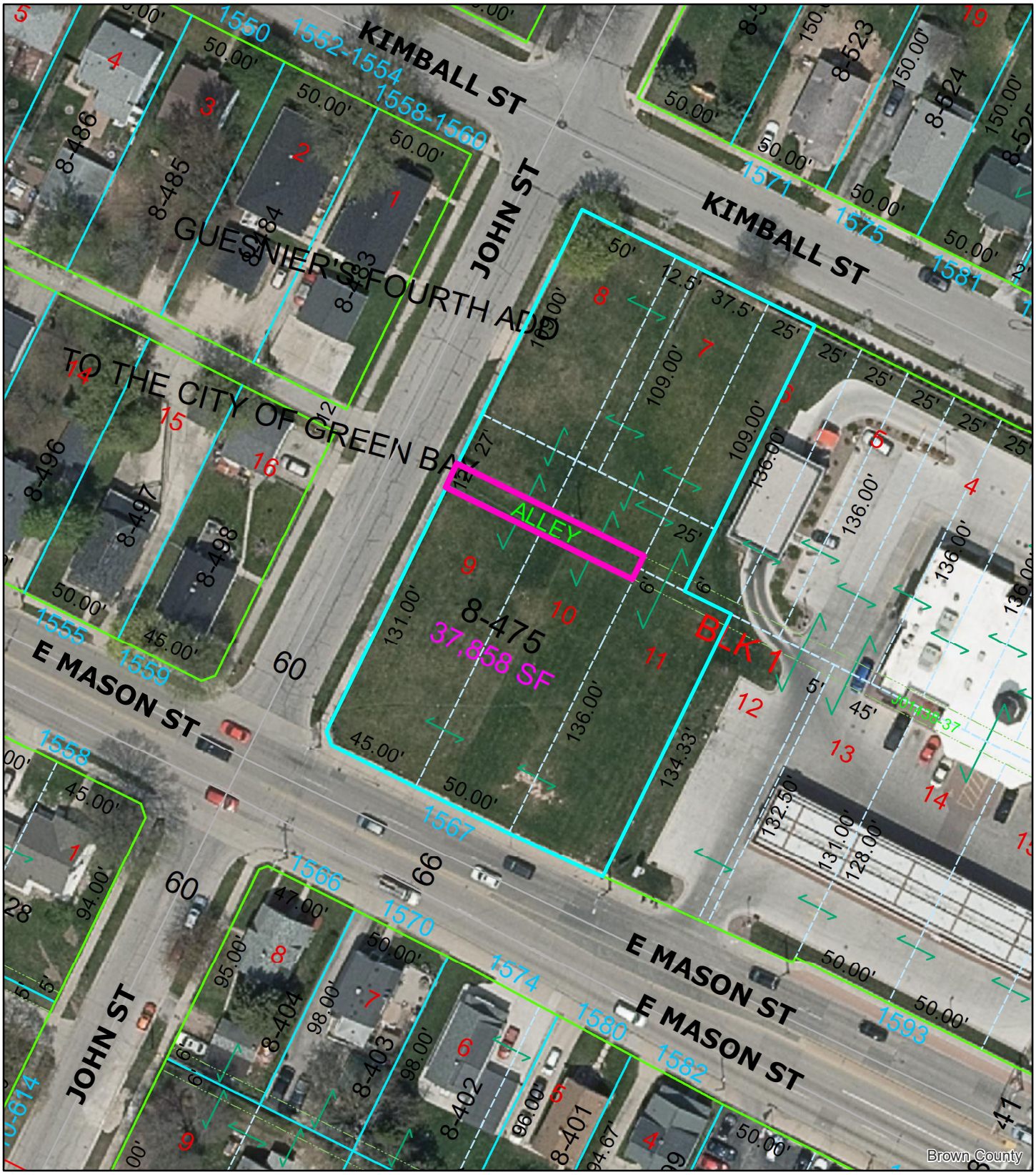
RECOMMENDATION

Approval of the request, subject to:
a. Requestor shall be responsible for all costs to close alley connections to streets.

FISCAL IMPACT

ATTACHMENTS

1. AV 22-01 Color Map



(AV 22-01) Alley Vacation Between
NE Corner of E Mason Street & John Street

Feet
0 15 30 60

This is a compilation of records and data located in various City of Green Bay offices and is to be used for reference purposes only. The City of Green Bay is not responsible for any inaccuracies or unauthorized use of the information contained within. No warranties are implied. Map prepared by City of Green Bay Department of Community and Economic Development. MS

Alley Vacation Area

Notifed Adjacent Properties

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.1

To approve the American Rescue Plan Act (ARPA) allocation within the Capital Needs and Organization Priorities category for $29,440.83.

BACKGROUND

American Rescue Plan Act resolution was approved at council on 12/7/21.

RECOMMENDATION

Approval.

FISCAL IMPACT

ATTACHMENTS

1. 2-22-22 Conference Room ARPA requests-with grant total

Memo

To: Finance Committee
Diana Ellenbecker, Finance Director

From: Susan House, Grant Administrator

Date:

Re: ARPA Requests- Revenue Replacement

The Finance Committee and Common Council have approved, on December 7, 2021, by resolution the following ARPA fund categories:

1. $10,000,000 Capital Needs and Organizational Priorities
2. $6,000,000 Affordable Housing Development and Small Business Support
3. $3,000,000 Stormwater, Green Infrastructure, and Climate Resilience
4. $2,000,000 Crime Prevention and Neighborhood Enhancement
5. $1,500,000 Arts, Culture, and Tourism

The following request is an eligible request from the Capital Needs and Organizational Priorities category. I recommend approving the requests individually

Capital Needs and Organization Priorities

2-7-008 Conference Room Upgrades $29,440.83

Project Summary: Conference room upgrade, Zoom/ hybrid meeting enhancements

Project Outcomes: Health of meeting participants, business best practices and social distancing, improved meeting recordings and improved customer service

Recurring Costs: video service plan = $2,491.79 / 3 years

Recommendation: Motion to approve request 2-7-008 Conference Room Upgrades from the Capital Needs and Organization Priorities category for $29,440.83.

Total of Projects:

February 22, 2022 Requests		
Capital Needs & Org. Priorities Remaining Balance		$7,337,683.75
2-7-008 Conference Room Upgrades	$29,440.83	
Remaining Balance:		$7,308,242.92

ARPA Grant Award **$23,695,516.00**
ARPA Grant Amount Received **$11,847,758.00**

Approved Projects

3-2-001	Administrative Expenses	$200,000.00
10-6-001	One Time Expenses FY22	$655,000.00
9-2-007	NIBIN	$188,358.00
9-1-008	Recruit/ Retain	$88,000.00
9-2-009	Lot Cop	$40,000.00
12-3-001	Shot Detection System	$0.00
7-5-001	Rain Barrel/ Rain Garden	$60,000.00
5-5-001	E. Seymour Park Stormwater	$1,000,000.00
2-6-001	Roads	$1,500,000.00
2-3-002	Body-worn Cameras	$307,316.25
2-2-003	City Façade Project	$1,000,000.00
2-2004	Blueprint Business Accelerator	$40,000.00
2-2-005	Farmers Markets	$75,000.00
2-2-006	Tourism Grants	$250,000.00
		$5,403,674.25

Total Remaining Unobligated Balance **$6,444,083.75**

RESOLUTION ADOPTING THE CITY'S PLAN FOR EXPENDITURE OF FUNDS RECEIVED PURSUANT TO THE AMERICAN RESCUE PLAN ACT OF 2021

December 7, 2021

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY:

WHEREAS, on March 11, 2021, President Biden signed into law the American Rescue Plan Act of 2021 (ARPA), under which the Coronavirus State and Local Fiscal Recovery Funds will deliver $350 billion for state, local, territorial, and tribal governments to respond to the COVID-19 emergency; and

WHEREAS ARPA permits municipalities to use Fiscal Recovery Funds for four broad purposes: to respond to the public health emergency or its negative economic impacts; to respond to workers providing essential services during the public health emergency; to replace lost public sector revenue; and to invest in water, sewer, and broadband infrastructure; and

WHEREAS the City's Plan for expenditure of the Fiscal Recovery Funds received pursuant to ARPA (ARPA Plan) was created after receiving input from residents and consulting with staff as to the most appropriate and effective utilization of those funds to assist the citizens of the City of Green Bay in recovering from the COVID-19 emergency; and

WHEREAS the City of Green Bay received $11,847,758 in Fiscal Recovery Funds in May 2021, and is projected to receive a second disbursement of $11,847,758 in May 2022; and

WHEREAS the ARPA Plan described herein is intended to provide a general framework for the amount of Fiscal Recovery Funds to be spent in each of the listed categories, and contemplates expenditure of the combined disbursements; and

WHEREAS plans for specific projects and/or services funded by Fiscal Recovery Funds will be presented to the Common Council in more detail prior to the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED that the Common Council of the City of Green Bay hereby approves and adopts the following ARPA Plan for expenditure of Fiscal Recovery Funds in the following categories:

- $10 million for City of Green Bay capital needs (roads, bridges, etc.) and organizational priorities;
- $6 million for affordable housing development and small business support;
- $3 million for stormwater, green infrastructure, and climate resilience;

- $2 million for crime prevention and neighborhood enhancement;
- $1.5 million for arts, culture, and tourism.

BE IT FURTHER RESOLVED that the above-referenced amounts are intended to be approximate.

Adopted December 7, 2021

Approved December 8, 2021

Mayor

Clerk

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.2

To approve staff's recommendation to approve up to $432,000 of budget surplus funds to be used as a one-time payment as Covid-19 pay for general levy employees. Up to $97,000 ARPA funds to be used for non-levy employees and City staff to proceed as directed in closed session.

The Council may convene in closed session pursuant to § 19.85(1)(e), Wis. Stats., for purposes of deliberating or negotiating public employee contracts for competitive or bargaining reasons. The Council may thereafter reconvene in open session pursuant to § 19.85(2), Wis. Stats., to report the results of the closed session and consider the balance of the agenda.

BACKGROUND

Funding sources:

1) American Rescue Plan Act resolution was approved at council on 12/7/21 or

2) 2021 General Fund Budget carry-over – there has been a suggestion to consider using 2021 budget carry over to fund this expense. The 2021 year-end results are still preliminary, prior to audit, based on the current results, there would be enough to cover up to $400,000 of this request with 2021 budget carry over. This expense would qualify as an operating cost as 2021 there was reduction in some salary lines due to programs not being run, position vacancies, or challenges of filling positions. If approved, recommendation to cover general fund employees with general fund carry-over and use ARPA for other funds (Water, Sanitary, Storm, Parking, Bay Beach, etc).

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

1. BUA Carryover - Premium Pay $432K
2. 3-8-2022 pandemic pay ARPA requests for Approval updated

RESOLUTION AUTHORIZING
2022 BUDGET AMENDMENT / 2021 CARRY-OVER REQUEST

March 15, 2022

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY, RESOLVED:

Pursuant to the recommendation of the Finance Committee at its meeting of March 8, 2022, the following 2022 budget amendment of funds is hereby authorized:

	ACCOUNT		AMOUNT
Increase:	101XXX 53001	Various salary accounts	$432,000.00
Increase:	101 34150	General fund balance carry-over	$432,000.00

**This budget amendment is to carry over up to $432,000 to be used as a one-time payment as COVID-19 pay for general levy employees, up to $97,000 ARPA funds to be used for non-levy employees.

Adopted _____

Approved _____

_____
Mayor

_____
Clerk

Memo

To: Finance Committee
Diana Ellenbecker, Finance Director

From: Susan House, Grant Administrator

Date: March 4, 2022

Re: ARPA Requests- Revenue Replacement

The Finance Committee and Common Council have approved, on December 7, 2021, by resolution the following ARPA fund categories:

1. $10,000,000 Capital Needs and Organizational Priorities
2. $6,000,000 Affordable Housing Development and Small Business Support
3. $3,000,000 Stormwater, Green Infrastructure, and Climate Resilience
4. $2,000,000 Crime Prevention and Neighborhood Enhancement
5. $1,500,000 Arts, Culture, and Tourism

The following is requested from the Revenue Replacement, or Capital Needs category and meets the requirement of ARPA. My recommendation is to approve the request.

Capital Needs and Organizational Priorities

1-4-004 Pandemic Pay $97,000

Project Summary: The recommendation is to pay employees a lump sum of $500 stipend for the essential work that employees continue to provide throughout the pandemic. Employees that are on the payroll on the date of Common Council approval will be eligible. This is $500 for general levy employees, using budget surplus funds, and ARPA funding for non-levy employees. This amount is an estimate, actuals will be determined on the number of active employees.

The City is precluded from unilaterally offering benefits to union groups with full bargaining rights. Therefore, employees in the Fire, Police, and Transit Union groups will need to bargain a one-time stipend into their contract.

Project Outcomes: The stipend will serve as a recognition of the hard work our employees provided during this difficult time and help to improve morale.

Recurring Costs: No recurring costs- onetime payment for employee base.

Recommendation: Approve Request for 1-4-004 project, Pandemic Pay for up to $432,000.00 of budget surplus funds to be used as a onetime payment as COVID-19 pay for general levy employees, up to $97,000 ARPA funds- Capital Needs and Organizational Priorities category, to be used for non-levy employees.

Total of Projects:

March 8, 2022 Requests		
Capital Needs (Revenue Replacement) Remaining Balance		$7,337,683.75
1-4-004 Pandemic Pay	$97,000.00	
Remaining Balance:		$7,240,683.75

*** Approved Projects**

ARPA Grant Award	**$23,695,516.00**
ARPA Grant Amount Received	**$11,847,758.00**

Approved Projects

3-2-001	Administrative Expenses	$200,000.00
10-6-001	One Time Expenses FY22	$655,000.00
9-2-007	NIBIN	$188,358.00
9-1-008	Recruit/ Retain	$88,000.00
9-2-009	Lot Cop	$40,000.00
12-3-001	Shot Detection System	$0.00
7-5-001	Rain Barrel/ Rain Garden	$60,000.00
5-5-001	E. Seymour Park Stormwater	$1,000,000.00
2-6-001	Roads	$1,500,000.00
2-3-002	Body-worn Cameras	$307,316.25
2-2-003	City Façade Project	$1,000,000.00
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2-2-006	Tourism Grants	$250,000.00
		$5,403,674.25

Total Remaining Unobligated Balance **$6,444,083.75**

RESOLUTION ADOPTING THE CITY'S PLAN FOR EXPENDITURE OF FUNDS RECEIVED PURSUANT TO THE AMERICAN RESCUE PLAN ACT OF 2021

December 7, 2021

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY:

WHEREAS, on March 11, 2021, President Biden signed into law the American Rescue Plan Act of 2021 (ARPA), under which the Coronavirus State and Local Fiscal Recovery Funds will deliver $350 billion for state, local, territorial, and tribal governments to respond to the COVID-19 emergency; and

WHEREAS ARPA permits municipalities to use Fiscal Recovery Funds for four broad purposes: to respond to the public health emergency or its negative economic impacts; to respond to workers providing essential services during the public health emergency; to replace lost public sector revenue; and to invest in water, sewer, and broadband infrastructure; and

WHEREAS the City's Plan for expenditure of the Fiscal Recovery Funds received pursuant to ARPA (ARPA Plan) was created after receiving input from residents and consulting with staff as to the most appropriate and effective utilization of those funds to assist the citizens of the City of Green Bay in recovering from the COVID-19 emergency; and

WHEREAS the City of Green Bay received $11,847,758 in Fiscal Recovery Funds in May 2021, and is projected to receive a second disbursement of $11,847,758 in May 2022; and

WHEREAS the ARPA Plan described herein is intended to provide a general framework for the amount of Fiscal Recovery Funds to be spent in each of the listed categories, and contemplates expenditure of the combined disbursements; and

WHEREAS plans for specific projects and/or services funded by Fiscal Recovery Funds will be presented to the Common Council in more detail prior to the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED that the Common Council of the City of Green Bay hereby approves and adopts the following ARPA Plan for expenditure of Fiscal Recovery Funds in the following categories:

- $10 million for City of Green Bay capital needs (roads, bridges, etc.) and organizational priorities;
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- $3 million for stormwater, green infrastructure, and climate resilience;

- $2 million for crime prevention and neighborhood enhancement;
- $1.5 million for arts, culture, and tourism.

BE IT FURTHER RESOLVED that the above-referenced amounts are intended to be approximate.

Adopted December 7, 2021

Approved December 8, 2021

Mayor

Clerk

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.3

To award the city wide vehicle towing & storage services agreement to Crosby Heavy Duty Wrecker Service, bid summary attached.

BACKGROUND

Competitively bid out, RFB #2022-01. Total estimated five-year cost is $45,500. Assorted Funding Sources Police account #1013340-55101 equipment repairs, DPW, account# 101-14201, Fire equipment repairs account #101410-55101. Transit Contract Maintenance 603920 53001.Bid Summary attached.

RECOMMENDATION

To award to the lowest responsive, responsible vendor Crosby Heavy Duty Wrecker Service a five-year contract for an estimated amount of $45,500.

FISCAL IMPACT

ATTACHMENTS

1. 3-8-22 Finance Agenda Report Towing Contract

CITY OF GREEN BAY - PURCHASING DIVISION

TO: Finance Committee
FR: Purchasing Department
DT: March 8, 2022
RE: Purchasing Report
Cc: Diana Ellenbecker, Pam Manley

Report of the Procurement:

1. Discussion and possible action on the award of the City wide **Vehicle Towing & Storage Services Agreement** with Crosby Heavy Duty Wrecker Service, which was competitively bid out, RFB #2022-01. Total estimated five-year cost is $45,500. Assorted Funding Sources Police account #1013340-55101 equipment repairs, DPW, account# 101-14201, Fire equipment repairs account #101410-55101. Transit Contract Maintenance 603920 53001.Bid Summary attached.

City of Green Bay Purchasing Dept - RFB #2022-01 Bid Summary
Vehicle Towing & Storage Services 3/1/22-2/28/27

Depts: DPW, Inspection, Police, Transit CC #96890 Issued: 1/14/22 Due: 2/16/22	VENDOR #1 CROSBY HEAVY DUTY WRECKER SERVICE Green Bay		
Description	Mon-Fri 6am-6pm	Mon-Fri 6pm-6am	Weekend/ Holiday
Category #1 - City Owned Vehicles charges to be paid by the City			
Automobiles, Pickups & Vans up to One Ton:			
Street Tow	$25.00	$30.00	$30.00
Off-the-Road Tow	$25.00	$30.00	$30.00
Winching (when approved by City employee) If winching is included in towing fee, state NC	$25.00	$30.00	$30.00
Heavy Vehicles: Ex: Garbage or Dump Truck, Fire Truck, Ambulance, City Bus	$125.00	$150.00	$150.00
Street Tow	$125.00	$150.00	$150.00
Off-the-Road Tow (Ditch or in Mud)	$125.00	$150.00	$150.00
Winching (when approved by City employee) If winching is included in towing fee, state NC	$125.00	$150.00	$150.00
Off-the-Road Equipment: Ex. Graders, Loaders, etc (Flat Rate)	$125.00	$150.00	$150.00
Winching (when approved by City employee) If winching is included in towing fee, state NC	$125.00	$150.00	$150.00
Equipment towing: Ex. sidewalk, snow removal, grass cutting equipment, flatbed & winch tow	$75.00	$100.00	$100.00
Category #2 - Police Dept. Calls for Tow of Privately Owned Vehicles, charges to be paid by vehicle owners			
Automobiles, Pickups & Vans up to One Ton:			
Street Tow	$30.00	$35.00	$35.00
Off-the-road Tow:	$30.00	$35.00	$35.00
Winching (when approved by City employee) If winching is included in towing fee, state NC	$30.00	$35.00	$35.00
Storage Charge/day	$35.00 /Day		
Category #3 - Inspection Division for Tow of Privately Owned Vehicles, charges to be paid by vehicle owners			
Automobiles, Pickups, Vans, etc up to One Ton:			
Street Tow:	$35.00	$35.00	$35.00
Off-the-road Tow:	$35.00	$35.00	$35.00
Winching (when approved by City employee) If winching is included in towing fee, state NC	$35.00	$35.00	$35.00
Storage Charge/day	$35.00 /Day		
Category #4 - Metro Transit calls for Tow of City Buses, charges to be paid by Metro Transit			
Buses contractor shall have a specific trailer to tow buses that do NOT require dropping of the axle.			
Street Tow:	$125.00	$150.00	$150.00
Accepts credit card payment, no service fee:	Yes		
Bid Compliant:	Yes		

Recommendation: Award to the lowest responsive, responsible vendor Crosby Heavy Duty Wrecker Service a five year Contract for an estimated amount of $45,500.

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.4

To award the law enforcement surveillance trailer to Industrial Video & Control Co. LLC for $34,301.20.

BACKGROUND

The trailer was competitively bid #2022-06 Bid Summary attached.
Trailer was approved ARPA expenditure project #9-2-009.

RECOMMENDATION

Award to the lowest responsive, responsible vendor Industrial Video & Control Co. LLC for $34,301.20.

FISCAL IMPACT

ATTACHMENTS

1. 3-8-22 Finance Agenda Report Law Enforcement Surveillence Trailer

CITY OF GREEN BAY - PURCHASING DIVISION

TO: Finance Committee
FR: Purchasing Department
DT: March 8, 2022
RE: Purchasing Report
Cc: Diana Ellenbecker, Pam Manley

Report of the Procurement:

1. Discussion and possible action on the award of the **Law Enforcement Surveillance Trailer** to Industrial Video & Control Co. LLC for $34,301.20. The trailer was competitively bid #2022-06 Bid Summary attached.

Trailer was approved ARPA expenditure project #9-2-009.

CITY OF GREEN BAY RFB #2022-06 SUMMARY
Law Enforcement Surveillance Trailer

Dept: Police Req #29	VENDOR #1	VENDOR #2	VENDOR #3
Planholders: CC#024-680-87	**INDUSTRIAL VIDEO & CONTROL CO LLC**	ZENN GROUP LLC	BEST ENTERPRISES LLC
Issued: 2/1/22 Due: 2/17/22	**Greenville, SC**	Locust, NC	Oakdale, MN
Description:	**Surveillance Trailer with 2 Axis PTZ cameras, cellular router, Rugged Onboard NVR, Remotely Operated LED Lighting Package, Axis Network Hom Speaker and High Power LED Floor**	Reconview SecureLot X1 Camera Trailer	Mobile Pro System Falcon 3100
Unit Cost:	**$ 32,451.20**	$ 35,865.25	$ 42,709.00
Shipping:	**$ 1,850.00**	$ 2,954.00	To be determined
TOTAL COST:	**$ 34,301.20**	$ 38,819.25	$ 42,709.00
Lead Time:	30 Days	120 Days	4 Weeks if cameras are available
Accepts credit card payments:	Yes	No	No
Bid Compliant:	Yes	Yes	Did not submit shipping costs

Recommendation: Award to the lowest responsive, responsible vendor Industrial Video & Control Co. LLC for $34,301.20

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.5

To approve the purchase of National Integrated Ballistic Information Network (NIBIN) equipment for $188,358.00.

BACKGROUND

This was done as a sole source purchase with a five (5) year cost of $188,358.00. This cost includes equipment purchase along with a five (5) year maintenance service contract. This is funded with ARPA Police Funding, Account # 218300-55150-83098.

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

1. 3-8-22 Finance Agenda Report NIBIN System
2. Presentation

CITY OF GREEN BAY - PURCHASING DIVISION

TO: Finance Committee
FR: Purchasing Department
DT: March 8, 2022
RE: Purchasing Report
Cc: Diana Ellenbecker, Pam Manley

Report of the Procurement:

Discussion and possible action on the award of NIBIN Equipment – Brasstrax acquisition Station. This was done as a sole source purchase with a five (5) year cost of $188,358.00. This cost includes equipment purchase along with a five (5) year maintenance service contract. This is funded with ARPA Police Funding, Account # 218300-55150-83098.

City of Green Bay Purchase Order

THIS PO NUMBER MUST APPEAR ON ALL INVOICES, PACKAGES AND SHIPPING DOCUMENTATION

Purchase Order Number	**02200020-001**
Purchase Order Date	**02/01/2022**
Department	**POLICE**
Required By	**02/01/2022**
Freight Terms	**FOB DESTINATION**
Payment Terms	**30 Days**

Bill To 10301
PURCHASING DEPARTMENT
100 N JEFFERSON STREET
ROOM 101
GREEN BAY BAY WI 54301-5026

Ship To
POLICE STATION
307 S ADAMS ST
GREEN BAY, WI 54301

Vendor 39534
FORENSIC TECHNOLOGY INC
7975 114TH AVENUE N
SUITE 2500
LARGO, FL 33773-5028

VENDOR PHONE NUMBER	VENDOR EMAIL	VENDOR NUMBER	REQUISITION NUMBER	BUYER NAME	DELIVERY REFERENCE
602-826-8802	CUSTOMORDERS@ULTRA-FT.COM	39534	27	Diane Kruse	

NOTES

The Above Purchase Order Number Must Appear On All Correspondence - Packing Sheets And Bills Of Lading

NET 30 DAYS

PROPOSAL WRITTEN BY STACY STERN

.

PROPOSAL # S-08922R2 DATED JANUARY 28,2022

.

CONTACT: BRANDON HUNTLEY 602-826-8802 BRANDON.HUNTLEY@ULTRA-FT.COM

.

CITY OF GREEN BAY CONTACT: PAUL EBEL 920-448-3326

.

WARRANTY: IBIS ACCESS UNTIL SEPTEMBER 30.2022

.

NIBIN PACKAGE $144,853 5 YEAR SAFEGAURD WARRANTY $74,005 CREDIT ONE ACCESS INCLUDING SET UP FEE ($30,500)

.

TOTAL PRICE $188,358

.

LEADTIME: EQUIPMENT CURRENTLY ON SITE AND SUBSCRIPTION START UPON ROP

.

PAYMENT TERMS N30

.

ITEM #	DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENDED PRICE
1	NIBIN CARTRIDGE CASE AQUISITION AND TRIAGE PACKAGE ONE (1) BRASSTRAX AQUISITION STATION ONE (1) PAG800 STEREO ZOOM MICROSCOPE GL #: 218300 - 55150 - 83098 $188,358.00	1.0000	EACH	$188,358.0000	$188,358.00

Vendor Instructions *Immediately notify if you are unable to ship this order by delivery date *Shipping Cartons, Packing Slips and Invoices must be legibly marked with the following info : PO#, Vendor Name, Quantity, Complete or Partial Order Fulfillment. *This Purchase Order is tax exempt and governed by all applicable Federal, State and Local Laws.

Thomas J. Waleński Sr. - Procurement Manager

Total Ext. Price	$188,358.00
Purchase Order Total	**$188,358.00**

CITY OF GREEN BAY
PURCHASE ORDER STANDARD TERMS AND CONDITIONS

The Purchase Order and these terms and conditions shall form the Agreement between the Vendor and the City of Green Bay. If there is any inconsistency between the Purchase Order and these terms and conditions, these terms and conditions shall take precedence. If there is a separate contract between the parties, the terms and conditions of that contract shall control.

Definitions "City" means the City of Green Bay. "Vendor" means the person, firm, company, limited liability company or corporation supplying the goods or services under City's purchase order/contract, including these Terms and Conditions (the "Order"), and includes all sales or other agents, subcontractors, employees and distributors thereof.

Price The order must not be filled at higher prices than listed on the Purchase Order without authority of City, and it is agreed that your price will be the lowest prevailing market price.

Delivery Deliveries shall be F.O.B. destination freight prepaid and included unless otherwise stated. Failure of the Vendor to adhere to delivery schedules as specified or to promptly replace rejected materials with same materials shall render the Vendor liable for all costs in excess of the contract price when alternate procurement is necessary. Excess costs shall include the administrative costs.

Payment Terms The City will pay properly submitted vendor invoices within thirty (30) days from receipt of invoice. Invoices presented for payment must be submitted with reference to purchase order number and submittal to the correct address for processing. Invoices submitted more than 60 days after the last day of service or after delivery shall not be paid and will be returned to the Vendor.

Quantity Delivery of any material over and above the actual quantity specified on the order will be at the risk of the Vendor and payment will not be made for such overruns unless agreed to in writing by the City.

Quality Unless otherwise indicated all material shall be first quality and must be as specified and will be subject to inspection and approval of City after delivery. Items which are used, obsolete, seconds, or which have been discontinued are unacceptable without prior written approval. The City reserves the right to reject and return at the risk and expense of the Vendor such portion of any shipment which may be defective or fails to comply with specifications without invalidating the remainder of the order. If rejected, it will be held for disposition at expense and risk of the Vendor. The Vendor shall correct or replace rejected materials without expense to City. No substitutions may be made without prior written approval.

Warranty Vendor warrants the following: (i) all goods delivered will be free from defects in material and workmanship for a period of one year after receipt; (ii) Vendor has good title to the goods provided to City and passes such title to City free from any liens, security interests or other encumbrances; (iii) the goods are merchantable and fit for the purpose intended; (iv) all services shall be completed in a professional, workmanlike manner and in accordance with applicable specifications, and; (v) the goods and services provided under the Order will not infringe or violate any patents, trade secrets, trademarks, copyrights or other rights of any third party. To the extent applicable, Vendor shall assign all express warranties of any manufacturer of the goods for the benefit of City.

Hazardous Materials All packaging, transportation and handling of hazardous materials shall be in accordance with applicable laws and regulations; Vendor shall be responsible for any non-compliance. All Vendors who supply hazardous materials shall provide Material Safety Data Sheets with the order.

Indemnification Vendor hereby agrees to indemnify, defend and hold harmless the City of Green Bay, its elected and appointed officials, officers, employees, agents, representatives and volunteers, and each of them, from and against any and all suits, actions, legal or administrative proceedings, claims, demands, damages, liabilities, interest, attorneys' fees, costs and expenses of whatsoever kind or nature in any manner directly or indirectly caused, occasioned, or contributed to in whole or in part or claimed to be caused, occasioned, or contributed to in whole or in part, by reason of any act, omission, fault, or negligence, whether active or passive, of Vendor or of anyone acting under its direction or control or on its behalf, even if liability is also sought to be imposed on City of Green Bay, its elected and appointed officials, officers, employees, agents, representatives and volunteers. The obligation to indemnify, defend and hold harmless the City of Green Bay, its elected and appointed officials, officers, employees, agents, representatives and volunteers, and each of them, shall be applicable unless liability results from the sole negligence of the City of Green Bay, its elected and appointed officials, officers, employees, agents, representatives and volunteers. Vendor shall reimburse the City of Green Bay, its elected and appointed officials, officers, employees, agent or authorized representatives or volunteers for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided. In the event that Vendor employs other persons, firms, corporations or entities (sub-contractor) as part of the work covered by this Agreement, it shall be Vendor's responsibility to require and confirm that each sub-contractor enters into an Indemnity Agreement in favor of the City of Green Bay, its elected and appointed officials, officers, employees, agents, representatives and volunteers, which is identical to this Indemnity Agreement. This indemnity provision shall survive the termination or expiration of this Agreement.

Assignment Vendor may not assign or delegate its rights or duties in whole or in part under this Agreement without the prior express written consent of the City.

Force Majeure Neither party shall be in default by reason of any failure in performance of this Agreement in accordance with reasonable control and without fault or negligence on their part. Such causes may include, but are not restricted to, acts of nature or the public enemy, acts of the government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes and unusually severe weather, but in every case the failure to perform such must be beyond the reasonable control and without the fault or negligence of the party.

Order Acceptance Any acceptance of the Order by the Vendor, whether in writing or by performance, is limited to and shall be subject to these Terms and Conditions, or in any written amendment signed by City and binding upon Vendor. Any proposal for additional or different terms in any document provided by Vendor to change the terms of the Order is rejected and shall not be effective.

Acceptance by City Goods and/or services purchased under the Order are subject to City's inspection and approval within a reasonable time, but not less than 60 days after delivery. City, at its option, may reject all of any portion of such goods or services which do not conform in every respect with the terms of the Order, or require Vendor to provide replacement goods or re- perform services in conformity with the terms of the Order at Vendor's cost. If City elects to accept nonconforming goods or services, City, in addition to its other remedies, shall by entitled to deduct a reasonable amount from the contract price thereof to compensate City for the nonconformity. Any acceptance by City shall not be deemed a waiver or settlement of any defect in such goods and/or services.

Risk of Loss Until accepted by City as provided above, Vendor shall bear all risk of loss and damage, unless such loss results from the negligence of City.

Change, Cancellation and Termination The Order can be changed, terminated or canceled by City for any reason, including convenience upon prior written notification to Vendor. In the event of a change, City and Vendor will make a fair and equitable modification to their rights and obligations under the Order, if such change results in an increase or decrease in costs to be incurred or time needed to complete performance of the Order. Termination or cancellation for convenience by City will entitle Vendor to payment for only those goods or services delivered, received and accepted and not subsequently rejected by City. City may immediately terminate the Order without prejudice to any right or remedy, after giving Vendor notice of any breach by Vendor of its obligations hereunder.

Taxes The City of Green Bay is exempt from the payment of Federal Excise Tax and State Sales Tax. **The City Tax Exempt number is 008-0000428893-07.** Any other sales tax, use tax, imposts, revenues, excise, or other taxes which are now, or which may hereafter be imposed by Congress, the State of Wisconsin, or any other political subdivision thereof and applicable to the sale of material delivered as a result of the bidder's bid and which, by terms of the tax law, may be passed directly to the City, will be paid by the City.

Confidentiality Each party (on its behalf and on behalf of its subcontractors, employees or representatives, or agents of any kind) agrees to hold and treat all confidential information of the other party, including, but not limited to, trade secrets, sales figures, employee and customer information and any other information that the receiving party reasonably should know is confidential ("**Confidential Information**") as confidential and protect the Confidential Information with the same degree of care as each party uses to protect its own Confidential Information of like nature. Confidential Information does not include any information that (i) falls under Wisconsin Public Records Law (see Open Records) (ii) at the time of the disclosure or thereafter is lawfully obtained from publicly available sources generally known by the public (other than as a result of a disclosure by the receiving party or its representatives); (iii) is available to the receiving party on a non-confidential basis from a source that is not and was not bound by a confidentiality agreement with respect to the Confidential Information; or (iv) has been independently acquired or developed by the receiving party without violating its obligations under this Agreement or under any federal or state law.

Open Records Both parties understand that the City is bound by the Wisconsin Public Records Law, and as such, responses and contracts are subject to and conditioned on the provisions of the law. Contractor acknowledges that it is obligated to assist the City in retaining and producing records that are subject to Wisconsin Public Records Law, and that the failure to do so shall constitute a material breach of the contract, and that the Contractor must defend and hold the City harmless from liability under that law. Except as otherwise authorized, those records shall be maintained for a period of seven (7) years after receipt of final payment under the contract.

Compliance with Laws Vendor shall comply with all laws and governmental rules, regulations and orders applicable to the goods delivered and/or services rendered under the Order including, but not limited to, obtaining all necessary licenses and permits.

City's Property Unless provided otherwise, all materials, including documents, drawings, specifications and tools, furnished or paid for by City shall remain the exclusive property of City unless otherwise specified in contract, agreement, etc. All documents, drawings, and specifications shall be considered confidential and not disclosed to any third party. All materials shall be returned to City upon Vendor's completion of its obligations under the Order. Vendor assumes all liability for loss or damage of such materials caused by Vendor's negligence, excluding normal wear and tear.

Independent Contractor Vendor is an independent contractor for all purposes of the Order and its employees shall not be deemed to be employees or agents of the City. Vendor has not express or implied authority to bind the City by contract or otherwise.

Waiver Waiver of a breach of any provision of the Order shall not constitute waiver of future compliance with such provision nor shall it be construed as a waiver of any other breach.

Choice of Law This Agreement will be construed and interpreted in accordance with the laws of the State of Wisconsin, notwithstanding any conflicts of law provisions.

No Discrimination During the term of this Agreement, the Parties, and the employees, representatives, agents and or volunteers thereof, shall not discriminate against any person based on race, color, creed, religion, sex, national origin, age, ancestry, disability, sexual orientation, gender identity, gender non-conformity, gender expression, transgender status, pregnancy, or marital or parental status.

Severability If any provision of the Order, including these Terms and Conditions, shall be declared illegal, void or otherwise unenforceable, the remaining provisions shall not be affected and will remain in full force and effect.

Rights and Remedies The rights and remedies of City and Vendor set forth in the Order are cumulative in addition to any other rights or remedies that they may have at law or in equity.

Entire Agreement This Order and Terms and Conditions together with any attachments or written amendments signed by City, constitutes the entire agreement between the parties.

City of Green Bay, Wisconsin
REQUEST FOR APPROVAL OF "NO SUBSTITUTE" PURCHASE SPECIFICATION

TO : Purchasing Division/Administrative Services **DATE:** 01/24/22

FROM: Department/Division Police Department **REQUISITION #** 27

List "No Substitute" Item(s) here:

Integrated Ballistics Identification System (IBIS) also known as NIBIN from Forensic Technology Inc.

Select One:

☑ 1) One Time Purchase Estimated Cost: $ $188,358

☐ 2) Annual Commodity purchase: Estimated annual cost: $

☐ 3) Item may be purchased again: Indicate term: Estimated Annual Cost: $

Example: 1 year, indefinite, etc. Long term requests will be reevaluated periodically)

We request approval of a "NO SUBSTITUTE" specification for the purchase of the subject item(s)
Check appropriate justification(s). Provide DETAILED explanation(s) below.

☑ 1. Sole Source – The below signed has searched the market and verified that no comparable item is available.

☐ 2. Single Source – Although comparable items are available, THIS is the only brand/model that will work.

☐ 3. Item(s) is (are) only acceptable replacement part(s) known for (Identify)

☐ 4. Continuity of design is overriding consideration (ex: playground equipment or street furniture)

☐ 5. Safety:

☐ 6. Other:

*Explanations shall contain sufficient information and justification for the items to be considered and approved as "NO SUBSTITUTE" items. Failure to do so will result in the request being denied and returned to the originator.

*Recommending Department Head will be available to defend said recommendation to the appropriate City Committee and/or Common Council.

PLEASE EXPLAIN YOUR REASONS FOR THIS REQUEST (additional info may be attached on a separate sheet):

Green Bay has seen a large increase in firearms crimes over the past 12 months. NIBIN will allow investigators to link guns and other shots fired incidents together. In brief NIBIN is a firearm shell casing identification system that links shell casings back to guns and other incidents where the same gun was used. NIBIN sends the data from a shell casing to the Alcohol Tobacco and Firearms (ATF) for comparison. IBIS is the ONLY system that ATF allows on their network and is the only company that ATF uses for identifying shell casings between incidents and guns Nation-wide. This is the first lease program in the country through a partnership between ATF and Forensic Technology Inc.

IBIS will allow GBPD to examine and determine which shootings are related through forensic examination and comparison through ATF to include other areas of the State that uses IBIS: Milwaukee area and Madison.

Goal is to be a regional examination center for NIBIN in Northeast Wisconsin.

Approvals:

Requestor: Date: 1-24-22

Department Head: Date: 01/24/2022

Purchasing Manager: Date: 1/24/22

SAM.GOV®

FORENSIC TECHNOLOGY INC

DUNS Unique Entity ID	SAM Unique Entity ID	CAGE / NCAGE
001940290	**MGFMX3XSZ4S5**	**1XBK3**
Purpose of Registration	Registration Status	Expiration Date
All Awards	**Active**	**Jan 13, 2023**
Physical Address	Mailing Address	
7975 114TH AVE N, STE 2500 **Largo, Florida 33773-5028** **United States**	**7975 114TH AVE N, STE 2500** **Largo, Florida 33773-5028** **United States**	

Business Information

Doing Business as	Division Name	Division Number
(blank)	**(blank)**	**(blank)**
Congressional District	State / Country of Incorporation	URL
Florida 13	**District Of Columbia / United States**	**(blank)**

Registration Dates

Activation Date	Submission Date	Initial Registration Date
Jan 17, 2022	**Jan 13, 2022**	**Feb 19, 2002**

Entity Dates

Entity Start Date	Fiscal Year End Close Date
Jan 1, 1994	**Dec 31**

Immediate Owner

CAGE	Legal Business Name
L1260	**ULTRA ELECTRONICS FORENSIC TECHNOLOGY INC**

Highest Level Owner

CAGE	Legal Business Name
U0YW3	**ULTRA ELECTRONICS HOLDINGS PLC**

Executive Compensation

Registrants in the System for Award Management (SAM) respond to the Executive Compensation questions in accordance with Section 6202 of P.L. 110-252, amending the Federal Funding Accountability and Transparency Act (P.L. 109-282). This information is not displayed in SAM. It is sent to USAspending.gov for display in association with an eligible award. Maintaining an active registration in SAM demonstrates the registrant responded to the questions.

Proceedings Questions

Registrants in the System for Award Management (SAM) respond to proceedings questions in accordance with FAR 52.209-7, FAR 52.209-9, or 2.C.F.R. 200 Appendix XII. Their responses are not displayed in SAM. They are sent to FAPIIS.gov for display as applicable. Maintaining an active registration in SAM demonstrates the registrant responded to the proceedings questions.

Exclusion Summary

Active Exclusions Records?

No

SAM Search Authorization

I authorize my entity's non-sensitive information to be displayed in SAM public search results:

Yes

Entity Types

Business Types

Entity Structure	Entity Type	Organization Factors

Socio-Economic Types

Check the registrant's Reps & Certs, If present, under FAR 52.212-3 or FAR 52.219-1 to determine if the entity is an SBA-certified HUBZone small business concern. Additional small business information may be found in the SBA's Dynamic Small Business Search if the entity completed the SBA supplemental pages during registration.

Financial Information

Accepts Credit Card Payments	Debt Subject To Offset
No	**No**

EFT Indicator	CAGE Code
0000	**1XBK3**

Points of Contact

Electronic Business

stacy stern

5757 Cavendish BLVD, Suite 200
Cote St. Luc, Qc H4W2W8
Canada

Government Business

stacy stern

5757 Cavendish BLVD, Suite 200
Cote St. Luc, Qc H4W2W8
Canada

Service Classifications

NAICS Codes

Primary	NAICS Codes	NAICS Title
Yes	541990	All Other Professional, Scientific, And Technical Services
	511210	Software Publishers
	518210	Data Processing, Hosting, And Related Services
	541519	Other Computer Related Services
	811219	Other Electronic And Precision Equipment Repair And Maintenance

Disaster Response

This entity does not appear in the disaster response registry.

ULTRA

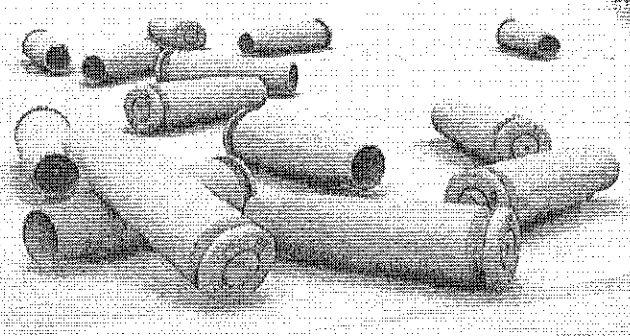
Proposal for Purchase of IBIS® Equipment

Submitted to the: Green Bay Police Department
307 S. Adams Street
Green Bay, WI 54301

Attention:
Commander Paul Ebel
Green Bay Police Department

By: Forensic Technology Inc., a member of the Ultra Group of companies
7975 114th Ave. North, Suite 2500
Largo, FL 33773-5028

Date: January 28, 2022
Reference No.: S-08922, Rev. 02



The information, technical data, concepts, and designs disclosed herein are the exclusive property and contain proprietary rights, trade secret and confidential business or financial information of Ultra Electronics Forensic Technology Inc. or others that are not to be used, copied, or disclosed to any other party without the advanced written consent of Ultra Electronics Forensic Technology Inc., and/or that are exempt from disclosure under the Freedom of Information Act, where applicable. The recipient of this document, by its retention and use, agrees to hold in confidence the information, technical data, concepts, and designs contained herein.

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Annexes

- Sole Source Letter
- About Forensic Technology
- Services covered by SafeGuard

Use or disclosure of this data is subject to the restriction outlined on the cover page of this document.

1 Executive Summary

Forensic Technology Inc., a member of the Ultra Group of companies (hereinafter referred to as **Forensic Technology**) is pleased to provide the **Green Bay Police Department** (hereinafter referred to as the **Customer**) with this proposal for purchase of the Integrated Ballistic Identification System (**IBIS®**) BRASSTRAX Acquisition Station and Projectina PAG800 Stereo Zoom Microscope currently licensed to the Customer on a subscription basis under a 1-year **IBIS®ACCESS** contract.

Under the signed one-year IBIS ACCESS contract with Forensic Technology, the Customer received access to an IBIS BRASSTRAX Acquisition Station (Serial No. BRTX00001045) and a Projectina PAG800 Stereo Zoom Microscope (Serial No. 201127), which were installed at the Customer site (455US) on October 1, 2021. The installed equipment remains the property of Forensic Technology for the duration of the contract and is licensed to the Customer on a subscription basis. As part of that contract, the Customer also received onsite basic user training from a Forensic Technology instructor.

The Customer also obtained a MATCHPOINT Analysis Station for Cartridge Cases (Serial No. MPP2694) as a loan from Forensic Technology and it was installed at the same time as the ACCESS equipment detailed above.

Description
NIBIN Cartridge Cases Acquisition & Triage Package, comprising: - One (1) BRASSTRAX™ Acquisition Station - One (1) PAG800 Stereo Zoom Microscope

NOTE: Forensic Technology will continue to loan the MATCHPOINT Analysis Station for Cartridge Cases until the Customer's correlation results analysis can be performed at another location, or another agency where a MATCHPOINT Analysis Station for Cartridge Cases is available.

1.1 Forensic Technology, IBIS and NIBIN

Because criminals move from jurisdiction to jurisdiction, IBIS has been designed to automatically share ballistic evidence across local, regional and national networks. Today, IBIS is the backbone of the National Integrated Ballistic Information Network (NIBIN) providing a valuable database of ballistic intelligence that can help link firearm crimes nationwide.

Established by the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF), NIBIN links crimes more quickly, generates investigative leads that would otherwise not have been detected, shares intelligence across jurisdictional boundaries, and gives prosecutors admissible evidence to corroborate witness testimony. NIBIN is the only national network that allows for the capture and comparison of ballistic evidence to aid in solving and preventing violent crimes involving firearms. It is a resource that is vital to any violent crime reduction strategy, providing investigators with the ability to compare their ballistics evidence against evidence from other crimes outside of their jurisdiction.

1.2 Your Contact at Forensic Technology

Should you have any questions about this proposal, please do not hesitate to contact **Mr. Brandon Huntley** in Phoenix, Arizona at telephone number +1 602 826 8802 or via e-mail at brandon.huntley@ultra-ft.com.

Use or disclosure of this data is subject to the restriction outlined on the cover page of this document.

2 Pricing and Standard Terms

This section details our prices and standard terms.

2.1 Pricing

Item	Description	Total Price (USD)
1.	**NIBIN Cartridge Cases Acquisition & Triage Package, comprising:** - One (1) BRASSTRAX Acquisition Station - One (1) PAG800 Stereo Zoom Microscope - One (1) color printer	$144,853
2.	**Five (5) additional years of SafeGuard Warranty**	$74,005
3.	**Credit for year-1 ACCESS subscription (including setup fee)**	($30,500)
TOTAL PRICE (US Dollars)		**$188,358**

NOTES:

1. **Forensic Technology will continue to loan the MATCHPOINT Analysis Station for Cartridge Cases until the Customer's correlation results analysis can be performed at another location, or another agency where a MATCHPOINT Analysis Station for Cartridge Cases is available.**
2. **Pricing in this proposal includes security components as mandated by ATF.**
3. **Multi-year Safeguard Protection Plans yield substantial savings which are achieved as a result of loyalty discounts and the absence of annual indexation. In selecting to purchase a five (5) year extended warranty, the Customer will save US$16,746.**
4. **The extended warranty (Item 2) will commence after the initial one-year subscription period for the IBIS ACCESS finishes on September 30, 2022. Please refer to section 3.1 for additional details on SafeGuard Warranty coverage.**
5. **Extended warranty (Item 2) is not applicable to the PAG800 Stereo Zoom Microscope. After the initial one-year subscription period for IBIS ACCESS, labor and material charges for repairs to the PAG800 Stereo Zoom Microscope will be for the Customer's account.**
6. **Since the Customer has provided Forensic Technology with a valid Tax Exemption Certificate, no State Sales Tax has been added to the pricing above.**

Standard Terms

2.2 Proposal/Offer Validity Period

In accordance with the current scope of the project and requirements, this proposal is designed to provide up to date information on our products and/or services and related prices. As such, all information contained within is valid as at the date of issuance of this proposal and is subject to change, without notice, after **September 30, 2022.**

2.3 Currency

All prices are quoted in United States Dollars.

Use or disclosure of this data is subject to the restriction outlined on the cover page of this document.

2.4 Payment Terms

Forensic Technology will invoice the Customer upon receipt and acceptance of a valid Purchase Order. The payment will be due 100% net thirty (30) days from the date of our invoice.

NOTE: All U.S. Purchase Orders must be issued in the name of Forensic Technology Inc. located in Largo, Florida.

2.5 Delivery and Installation

The equipment has been delivered to the Customer and was installed at the Customer site (455US) on October 1, 2021.

2.6 Property Title

Property title to the equipment shall pass to the Customer upon acceptance of the Customer's purchase order by Forensic Technology.

2.7 Warranties, Material and Workmanship

Forensic Technology warrants to the Customer that all products delivered shall be new and free from defects in material, workmanship, and title.

Initial delivery will consist of factory new parts. Replacement parts delivered during the warranty period may be refurbished products or parts.

Forensic Technology expressly warrants the products manufactured by it as meeting the applicable specifications.

Forensic Technology makes no other warranties either expressed or implied (including without limitation warranties as to merchantability or fitness for a particular purpose). The Customer retains responsibility for the application and functional adequacy of the purchased system.

The Customer or any other third party must not alter the system's configuration, either by installing hardware/software or modifying system parameters. Should any modifications be performed by any party other than Forensic Technology, Forensic Technology reserves the right to void the balance of the system's warranty.

2.8 Connection to NIBIN

This proposal assumes that the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) will grant the Customer access to the National Integrated Ballistic Information Network (NIBIN), a NIBIN-IBIS Data Concentrator and a NIBIN-IBIS Correlation Server. A Memorandum of Understanding (MOU) between the agencies must be in place in order for the installation to be fully completed.

2.9 Arbitration

In the event of any dispute, claim, question, or disagreement arising from or relating to the contract resulting from this proposal or the breach thereof, the parties hereto shall use their best efforts to settle the dispute, claim, question, or disagreement. To this effect, they shall consult and negotiate with each other in good faith and, recognizing their mutual interests, attempt to reach a just and equitable solution satisfactory to both parties. If they do not reach such solution within a period of sixty (60) days, then, upon notice by either party to the other, all disputes, claims, questions, or differences shall be finally settled by arbitration under UNCITRAL rules, at a neutral venue and under applicable law to both parties.

Use or disclosure of this data is subject to the restriction outlined on the cover page of this document.

2.10 Limitation of Liability

Except as may be prohibited by applicable local law, in no event shall Forensic Technology be liable for any special, incidental, indirect, or consequential damages whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use of or inability to use the system or the delivery or failure to deliver support services, even if Forensic Technology has been advised of the possibility of such damages. The Customer agrees to indemnify and hold Forensic Technology harmless in such events.

2.11 Force Majeure

Forensic Technology shall not be liable for any delay or failure to perform any of its obligations hereunder due to causes beyond its control and without its fault or negligence, whether foreseeable or not. Such causes shall be deemed to include, but not be limited to: acts of God or the public enemy; national emergencies, war, civil disturbances, insurrection or riot; strikes, lockouts, or any other industrial disputes; fire, explosion, flood, earthquake or other catastrophes; energy shortages; serious accident, epidemic or quarantine restriction; embargoes, allocations necessitated by material shortages, delays in deliveries by Forensic Technology's suppliers or subcontractors, or failure of transportation; or any law, order, regulation, direction or request of any government which have effect on this contract.

2.12 Software License Agreement

Use of the IBIS equipment is subject to a software license agreement, which resides on the machine. Users are required to accept the agreement prior to having access to the system. License fees for all software provided with the system are included in the initial purchase price and are included in any subsequent SafeGuard charges.

2.13 Availability Commitment

Forensic Technology commits to the supply of spare parts for a period of seven (7) years from installation of the equipment. If a defective component cannot be replaced due to discontinuation by its manufacturer, Forensic Technology will make the utmost effort to propose an alternate solution.

2.14 Privacy of Personal Data

When dealing with personal data, as it is defined in the General Data Protection Regulation (GDPR), Forensic Technology is committed to protecting the privacy of any such personal data it may hold, and will do so using appropriate security controls and procedures. Forensic Technology is also committed to ensuring compliance in all services and underlying processes where personal data is processed on behalf of partners and Customers.

Unless required by law to do so, Forensic Technology does not, and does not intend to, share with partners, other Customers or third parties, the personal data it may hold and collect through its many business operations. Forensic Technology uses personal data solely for contacting individuals in the course of normal business and in marketing activities. At any time, individuals may request that their contact information be removed from our database or they may opt out from receiving future marketing campaign emails.

For additional information, please refer to the following: https://www.ultra-electronics.com/corporate-responsibility/data-privacy-notice.

Use or disclosure of this data is subject to the restriction outlined on the cover page of this document.

2.15 Anti-Bribery

It is Forensic Technology's policy to conduct all of our business in an honest and ethical manner. We take a zero-tolerance approach to bribery and corruption and are committed to:

- Acting professionally, fairly and with integrity in all our business dealings and relationships wherever we operate; and
- Implementing and enforcing effective systems to counter bribery.

We will uphold all laws relevant to countering bribery and corruption in all the jurisdictions in which we operate. Among other laws and regulations, we are bound by the laws of the UK, including the Bribery Act 2010, in respect of our conduct at all times and everywhere around the world.

As such, Forensic Technology will:

- not, whether directly or indirectly, authorize, offer, promise or give a financial or other advantage (including without limitation any money, contribution, gift, bribe, rebate, payoff, influence payment, kickback, loan, reward, advantage or anything of value, including any benefit of any kind):
    - to another person with the intention to induce a person to perform improperly a relevant function or activity (including any function of a public nature, any activity connected with business, any activity performed in the course of a person's employment or any activity performed by or on behalf of a body of persons (whether corporate or unincorporated));
    - to another person with the intention to reward a person for the improper performance of such a function or activity;
    - to another person with the knowledge or belief that the acceptance of the advantage would itself constitute the improper performance of such a function or activity;
    - to a Public Official (or his representative), any political party or party official, any candidate for political office:
        - with the intention of influencing such official, party, or candidate in its or his official capacity to do or omit to do an act in violation of the lawful duty of such party, official, or candidate and with the intention of obtaining or retaining business, or to secure any improper advantage;
        - as consideration for an act or omission by the official in connection with the performance of the official's duties or functions; or to induce the official to use his or her position to influence any acts or decisions of the state or public international organization for which the official performs duties or functions; or
        - to influence such official in his capacity as such with the intention of obtaining or retaining business or an advantage in the conduct of business;
    - to another person, while knowing or suspecting that all or a portion of such financial or other advantage will be offered, given, or promised, directly or indirectly, under the circumstances listed in the items above.

For the purposes of this clause, 'Public Official' means (i) a person who holds a legislative, administrative or judicial position of a state; (ii) a person who performs public duties or functions for a state, including a person employed by a board, commission, corporation, public enterprise or other body or authority that is established to perform a duty or function on behalf of the state, or is performing such a duty or function; and (iii) an official or agent of a public international organization that is formed by two or more states, governments, or public international organizations.

Use or disclosure of this data is subject to the restriction outlined on the cover page of this document.

3 Scope of Services

This section details the warranty services included in this proposal.

3.1 SafeGuard Warranty

The equipment currently installed at the Customer site is covered by a one-year SafeGuard Warranty covering parts, labor and software upgrades that commenced on the date of installation i.e. October 1, 2021. Starting October 1, 2022, this equipment will no longer be covered by SafeGuard. The Customer will have to purchase SafeGuard Warranty for coverage after this expiration date. Please see section 2.1 for the SafeGuard Warranty price.

All IBIS systems deployed on NIBIN must meet the U.S. Department of Justice (DOJ) security requirements. Forensic Technology's SafeGuard Warranty includes key services that ensure all IBIS systems continue to be compliant with the DOJ requirements.

NOTE: Please see the attached brochure for additional details on SafeGuard.

Use or disclosure of this data is subject to the restriction outlined on the cover page of this document.

ULTRA

Ultra Electronics Forensic Technology Inc.

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Canada

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Fax +1 514 485 9336
Sans Frais/TollFree +1 888 984 4247
www.ultra-forensictechnology.com

January 28, 2022

Green Bay Police Department
307 S. Adams Street
Green Bay, WI 54301

Subject: Sole Source Letter

To whom it may concern:

The Integrated Ballistic Identification System (IBIS®) uses technology that encompasses a number of patents protected in the United States and throughout the world. As such, manufacturing and servicing these products require access to proprietary and commercially sensitive information that is only accessible to employees of **Ultra Electronics Forensic Technology Inc.** (hereinafter collectively referred to as **Forensic Technology**) and third parties who have been duly authorized to do so.

Consequently, only Forensic Technology, the exclusive manufacturer of IBIS, can provide their proprietary products, IBIS BRASSTRAX™, IBIS BULLETTRAX™, IBIS MATCHPOINT™, IBIS Data Concentrator, IBIS Correlation Engine, as well as maintenance, upgrades and services, including data migration, moving and training services pertaining thereto. Furthermore, IBIS, currently in use in the United States under the ATF NIBIN program, is the only technology that has undergone and passed the security standards needed for integration into NIBIN. Other ballistic identification technologies are not compatible with NIBIN.

Sincerely yours,

Stacy Stern

Vice President Sales and Marketing

ABOUT
ULTRA ELECTRONICS FORENSIC TECHNOLOGY



Forensic Technology is a leading provider of forensic investigation and analysis tools used by law enforcement agencies around the world to keep their societies safe.

We created **IBIS®** (the Integrated Ballistic Identification System) in 1991 and are pioneers in automated ballistics identification. IBIS helps forensic experts provide detectives with timely information about guns, crimes, and suspects. It does so by suggesting possible matches between pairs of fired bullets and cartridge cases. It finds the proverbial "needle in the haystack" and it does so at speeds well beyond human capabilities. In 2011 we added forensic document examination to our portfolio of solutions through our purchase of Swiss-based Projectina AG, a manufacturer of optical and opto-electronic systems.

Forensic Technology is a customer-driven organization that partners with hundreds of public safety agencies in over 130 countries. We provide cost-effective crime-fighting solutions a solid corporate infrastructure that governments can call upon for forensic investigation and analysis.

With vast experience in scalable, sustainable, networked solutions, our engineering, forensic, and law-enforcement professionals provide worldwide 24/7-customer support and dedicated training facilities. Our products are powerful tools that can be used for independent examination. But when networked, they become powerful systems that facilitate data analysis and intelligence sharing among agencies and across jurisdictional boundaries.

In 2014, we joined Ultra Electronics, a successful international defense, security, transport, and energy company. Ultra has a long and consistent record of innovating and engineering solutions that satisfy customer requirements (www.ultra-electronics.com).

Forensic Technology helps law-enforcement agencies around the world achieve higher levels of performance in the fight against crime. We continue to innovate so the world can be a safer place.

For more information, please visit www.ultra-forensictechnology.com.

ULTRA

Follow us

www.ultra-forensictechnology.com



Maximize system uptime and efficiency with SafeGuard™:

- Around-the-clock customer support.
- Rigorous system maintenance and software updates for continuous, optimal performance.
- Continuous user education to maintain the highest skill levels.
- Minimize your equipment downtime.
- **New! Remote coaching and workstation refresh.**

ULTRA

SafeGuard™

Let us keep your system running optimally so you can focus on your job

NEW!

GET EVEN MORE VALUE WITH THESE NEW ELEMENTS

UNLIMITED REMOTE COACHING

Have your specific questions answered quickly by senior certified instructors during short ad-hoc sessions.

WORKSTATION REFRESH

Ensure compatibility and optimal performance of your system by upgrading and refreshing your PC once every seven (7) consecutive years at no additional cost*. Applies to BRASSTRAX, BULLETTRAX, MATCHPOINT and Quantum workstations.

Follow-the-sun Support

Reach our Support Center when you need it

- 24/7 hotline with callback within one hour
- Multilingual support
- Toll-free and/or VoIP phone lines
- Email and website services

Expert Technical Support

Resolve system incidents promptly

- Certified specialists provide remote diagnosis and resolution
- Parts and travel costs for certified field technician are covered to perform on-site service
- Five support offices and many partners worldwide provide assistance
- Specialists answer any feature-related question (e.g., system application report building)

Proactive System Care

Maximize system uptime

- Get monitoring of critical system components with remote verification
- Receive on-site preventive maintenance every 24 months
- Confirm equipment health with automated remote health checks
- Receive priority maintenance and software upgrades with pre-authorized time slots

Software Upgrades

Keep your system current

- Implement new features and functionalities developed by our team of scientists
- Get hotfixes to correct software bugs promptly
- Receive minor hardware upgrades as needed
- Maintain backward compatibility of your IBIS data with every new version of IBIS
- Minimize downtime during software upgrades with state-of-the-art automated deployment
- Maintain interoperability with agencies across national and international networks

Customer Care

Receive service that exceeds industry standards

- Benefit from proactive follow-ups offering guidance and support
- Optimize your system usage with the help of a knowledgeable customer care team that understands your work environment, processes, and constraints
- Discuss upcoming product features, and other topics of interest to you
- Receive an annual status report with statistics, acquisitions, incidents, and much more

Continuous Education

Have VIP access to our vault of information

- Receive remote coaching to master acquisition and analysis techniques and stay up-to-date on new features
- Access our E-learning portal for the latest documentation, online courses, and videos that demonstrate tips and techniques
- Attend our sponsored seminars, webinars and conferences**

How does SafeGuard™ fit your needs?

- **Maximizes equipment and program uptime and efficiency**
- **Controls costs by preventing unexpected expenses from equipment failure**
- **Ensures constant improvement of your systems (acquisition, correlation, visualization, and analysis) with the latest features from software upgrades**
- **Allows you to focus on solving crime and protecting your community**

Optional Services

Add supplementary services to your SafeGuard™ package for maximum protection.***

Additional Training Courses

Provide basic training to new users or advanced training to experienced users.

Custom Reports

Have our system experts create custom reports such as operational and administrative reports for you.

System Relocation

Have all of your Ultra Forensic Technology equipment or just a few components relocated by our experts without any worries.

Advanced Security

Benefit from centralized user account management with security policies, updates of the OS security patches, centralized antivirus management and vulnerability management for your systems and network.

*Certain conditions apply. IBIS Network users may be subject to certain Agency restrictions or conditions
**Where permitted.
***Additional fees may be applicable on optional services.

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Ultra Forensic Technology's Global Customer Services Contact Information

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> Europe, Africa and Western Asia
+353 1 690 9199

fti.support@ultra-ft.com

Innovating today for a safer tomorrow

ULTRA

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www.ultra-forensictechnology.com

UFT-1005SS-EN-001

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.6

To approve the purchase of Forensic Recovery of Evidence Devices (FRED) for a total of $32,698.00 plus shipping.

BACKGROUND

This purchase has been approved in the 2022 budget under account # 101300-55140 under the ARPA Federal Grant 101100 43210 $(655,00) Grant. It is classified as a sole source purchase due to its specifications for use in forensics.

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. Purchasing - FRED computers

CITY OF GREEN BAY - PURCHASING DIVISION

TO: Finance Committee
FR: Purchasing Department
DT: March 8, 2022
RE: Purchasing Report
Cc: Diana Ellenbecker, Pam Manley

Report of the Procurement: Forensic Recovery of Evidence Device (FRED) Computers – City of Green Bay Police

1. For review and approval of purchase. Law Enforcement Forensic Workstation with RAID 1. The police Department is requesting two(2) F11301R Workstations at $16,349.00 each.
2. This purchase has been approved in the 2022 budget under account # 101300-55140 under the ARPA Federal Grant 101100 43210 $(655,000) Grant.
3. This purchase is classified as a Sole Source Purchase due to its specifications for use in forensics. (Sole Source has been completed and attached to documentation)
4. Purchasing Policies and Procedures have been followed on this request. Procurement Manager -TW

Green Bay Police Department

2022 Budget

Requisition # 40

Department Contact for this Requisition: Kendyl Danelski @ 3229 and Commander Paul Ebel @ 3326

Purchase request: 2 Forensic Recovery of Evidence Devices (FRED)

Cost: $34,589 (Approved in 2022 budget)

Account Number: 1013190-55140

Created and Approved by Rick Jurkanis 2/17/22

Please see attached sole/single source document for specifications and work with department contacts to finalize specifications. Vendor is Digital Intelligence. Please confirm quote before issuing purchase order.

City of Green Bay, Wisconsin

REQUEST FOR APPROVAL OF "NO SUBSTITUTE" PURCHASE SPECIFICATION

TO : Purchasing Division/Administrative Services **DATE:** 02/08/22

FROM: Department/Division Police Department/Forensics - computer **REQUISITION #**

List "No Substitute" Item(s) here:

FRED (Forensic Recovery of Evidence Device)

Select One:

- [x] 1) One Time Purchase — Estimated Cost: $ $84,589
- [ ] 2) Annual Commodity purchase: — Estimated annual cost: $
- [ ] 3) Item may be purchased again: — Indicate term: Estimated Annual Cost: $

Example: 1 year, indefinite, etc. Long term requests will be reevaluated periodically)

We request approval of a "NO SUBSTITUTE" specification for the purchase of the subject item(s)
Check appropriate justification(s). Provide DETAILED explanation(s) below.

- [x] 1. Sole Source – The below signed has searched the market and verified that no comparable item is available.
- [x] 2. Single Source – Although comparable items are available, THIS is the only brand/model that will work.
- [ ] 3. Item(s) is (are) only acceptable replacement part(s) known for _____ (Identify)
- [ ] 4. Continuity of design is overriding consideration (ex: playground equipment or street furniture)
- [ ] 5. Safety:
- [ ] 6. Other:

*Explanations shall contain sufficient information and justification for the items to be considered and approved as "NO SUBSTITUTE" items. Failure to do so will result in the request being denied and returned to the originator.

*Recommending Department Head will be available to defend said recommendation to the appropriate City Committee and/or Common Council.

PLEASE EXPLAIN YOUR REASONS FOR THIS REQUEST (additional info may be attached on a separate sheet):

- Already have one working FRED from the same company
- Interchangeable componets that can be used with other Fred machine in Computer Forensics Lab
- Leading in the industry for forensic computers/devices
- Excellent tech support from Digital Intelligence
- Used Digital Intelligence for 15 years
- Compatible with all software/hardware that the Green Bay Police Department currently owns/uses

Approvals:

Requestor: [signature] Date: 2-17-22

Department Head: [signature] Date: 02/17/2022

Purchasing Manager: [signature] Date: 2/17/22

Digital Intelligence®
mastering the science of digital forensics

Quote

Digital Intelligence, Inc.
17165 West Glendale Drive
New Berlin, WI 53151

Voice: (262) 782-3332
Fax: (262) 782-3331
Email: sales@support.digitalintelligence.com

Date	Quote #
Feb 9, 2022	Q20220209-11

Digital Intelligence
Fed Tax ID # 39-1957034

Customer Billing
Kendyl Danelski Green Bay Police Department --no address-- Green Bay WI United States Phone 9204483229 kendyl.danelski@greenbaywi.gov

Customer Shipping
Kendyl Danelski Green Bay Police Department 307 S. Adams Street Green Bay WI 54301 United States Phone 9204483229

Item	Description	Qty	Unit Cost	Total
F11301R	**FRED Forensic Workstation with 1 RAID** **Customer selected options:** Motherboard Chipset: **Intel® X299 Chipset Motherboard** OS: **[T0018] Windows 10 Pro 64-bit** CPU: **[T1061] i9-10920X 12 core 3.5 GHz (4.6 Turbo), 19.25MB Cache** RAM - 256 GB Option only compatible with i9 CPUs: **[T2016] 256 GB PC4-21300 DDR4 2666 MHz** Graphics Card - Upgrades may delay fulfillment of order due to market shortage.: **[T0038] Nvidia RTX 3080, 10GB, 320 bit GDDR6X, 8704 CUDA Cores** OS Drive: **[T3044] - 1 TB M.2 NVMe PCIe Solid State Drive - PRO Series** Drive 2 - Internal PCIe M.2 SSD: **[T3069] - 512 GB M.2 NVMe PCIe Solid State Drive - PRO Series** Drive 3 - SATA Interface: **[T3078] 1 TB SATA Solid State Drive - Pro Series** Drive 4 - SATA Interface: **None Selected** Drive 5 - USB 3.1 Interface: **[T3086] 4 TB 7200 rpm SATA Hard Drive** Drive 6 - USB 3.1 Interface: **None Selected** Drive 7 - USB 3.1 Interface: **None Selected** RAID Drive Set 1: **[T3138] 5 x 14 TB SATA Hard Drive - Capacity: ~56 TB configured as RAID5** Tape Drive (eliminates 1 HotSwap Bay if Selected): **No Tape Drive** NIC (Network Interface Card) Options are in addition to the on-board 1 Gigabit network ports : **None** Training: **Free Training with Purchase** **Standard features:** **Windows 10 Professional (64 bit) [T0018]** Other Operating System included: • openSUSE Tumbleweed (64 bit) **System Restore Media - Bootable Blu-ray disc containing restore environment and factory configured operating system images** **Hardware Write Blocking:** Digital Intelligence® UltraBay 4d Hardware Write-Blocker with touch	1	$16,349.00	$16,349.00

screen display:

- Integrated IDE Drive Write Blocker
- Integrated SATA Drive Write Blocker
- Integrated SAS Drive Write Blocker
- Integrated USB 3.0/2.0 Write Blocker
- Integrated FireWire IEEE 1394b Write Blocker
- Integrated PCIe Write Blocker
- Write-Block and Read/Write visibility via Lock/Unlock LEDs
- Read and write mode capabilities for all device ports controlled via front panel
- Allows simultaneous imaging of 2 attached devices

Digital Intelligence® Forensic Media Card Reader - Read-Only and Read/Write switchable
Digital Intelligence® Imaging Workshelf - Extendable/Retractable with integrated ventilation

Detailed System Specifications:
ATX Tower Case 12 x 5¼" Bays
1200 Watt Modular power supply
Liquid cooled CPU thermal solution
Intel® X299 Chipset Motherboard - Workstation series
7 PCI-Express 3.0(x16)Slots
1 M.2 Socket 3, with M key, type 2242/2260/2280/22110 storage devices support (PCIE 3.0 x 4 mode)
1 M.2 Socket 3, with M key, type 2242/2260/2280 storage devices support (PCIE 3.0 x 4 mode)
8 x SATA 6Gb/s port(s)
2 x U.2 connector
2 RJ45 LAN ports -
Intel® I210-AT, 1 x Gigabit LAN Controller
Intel® I219-LM, 1 x Gigabit LAN Controller
Realtek® ALC S1220A 7.1 Channel High Def Audio CODEC
4 USB 2.0 ports - Back Mounted
3 USB 3.0 ports - Front Mounted
7 USB 3.1 Gen 1 ports - Back Mounted
1 USB 3.1 Gen 1 Type C port - Back Mounted
1 USB 3.1 Gen 2 ports - Back Mounted
1 USB 3.1 Gen 2 Type C port - Back Mounted
1 Write Blocked USB 3.0/2.0 port - Front Mounted
1 Write Blocked FireWire 1394b port - Front Mounted
1 Write Blocked SATA port - Front Mounted
1 Write Blocked SAS/SATA port - Front Mounted
1 Write Blocked IDE port - Front Mounted
1 Write Blocked PCIe port - Front Mounted
2 x Shock Mounted SATA Removable Hard Drive Bays
3 x HotSwap Shock Mounted Removable Hard Drive Bays with Read Only switch
BD-R/BD-RE/DVD+RW/CD+RW 16x Blu-ray Burner Dual-Layer Combo Drive

Single RAID Chassis Option - [T5109]
12 Channel PCIe 12 Gb/s SAS/SATA RAID Controller
Qty 1 - 5 bay Drive Chassis

103 key Keyboard and Mouse Combo - Wireless [T7703]

Toolbox containing: Adapters, Cables, Precision Electronics Tool Kit and OEM Documents

Other Software included: Symantec Ghost

Warranty: 3 years

Dimensions: 23 ⅛" High, 9 ¾" Wide, 25 ½" Deep (With Feet)
23 ¼" High, 8 ½" Wide, 25 ¼" Deep (Without Feet)
Weight: 92 lbs

			Subtotal	$16,349.00

[illegible]	[illegible]
Tax - Sales Tax [WI] 5.000%	$823.54
Shipping - UPS Ground	$121.78
Order Total	**$17,294.32**

Standard Terms & Conditions

- All prices are in U.S. Dollars.
- Shipping cost does not include import taxes or fees. Non-U.S. recipients pay all applicable import taxes or fees.
- This quote is valid for 30 days from date of issue.
- To order please contact Digital Intelligence by email, phone or fax using the contact info listed at the top of this quote.
- Payment in full is required prior to shipment unless credit terms are approved in advance by Digital Intelligence.

Thank you for your interest.

Prepared by: Digital Intelligence website [automated]

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.7

To approve a 2021 budget amendment resolution for $66,207.25 to record unbudgeted Wisconsin Historical Society grant received in 2021 for the Historic Intensive Resources survey.

BACKGROUND

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

None

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.8

To approve a 2021 budget amendment resolution for $10,217.21 to record unbudgeted cost paid to local hospitals for blood draws by the police and reimbursed through collections at Municipal Court.

BACKGROUND

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

None

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.9

To approve a 2021 budget amendment resolution for $30,510.24 to record unbudgeted overtime for various community events and reimbursed.

BACKGROUND

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

None

Report to the
Finance Committee
of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.10

To approve a 2022 budget amendment and 2021 carry-over resolution for $150,000.00 of the Oneida Cooperative agreement unbudgeted revenue to be used for repairs on the existing armored vehicle approved by Council on 2/16/2022.

BACKGROUND

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

None

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.11

To approve a 2022 budget amendment and 2021 carry-over resolution for $52,161.77 of fund balance to replace street light fixtures.

BACKGROUND

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

None

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.12

To approve a 2022 budget amendment and 2021 carry-over resolution for $3,639.62 of fund balance to be used for office furniture ordered in 2021 but will be delivered and installed in 2022.

BACKGROUND

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

None

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # O.13

To refer to staff a request by Ald. Johnson to the Finance Committee which states: "For consideration and possible action to create a financial policy that no bond or note may exceed the useful life of an asset without the super-majority vote of council."

BACKGROUND

Attached is the City of Green Bay's debt service policy for discussion.

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. 2022-03-05 Dist 9 to Finance
2. Green Bay - Debt Service Policy revised approved by CC May 5 2015

Alders' Petitions and Communications

Name: Brian Johnson

Committee Name: Finance Committee

Today's Date: 02/16/2022

Text of Communication:

For consideration and possible action to create a financial policy that no bond or note may exceed the useful life of an asset without the super-majority vote of council.

Upon completing this form, please email it to the City Clerk.

City of Green Bay
100 N Jefferson St, Room 106
Green Bay, WI 54301

greenbaywi.gov/Clerk
920.448.3010
Fax 920.448.3016



CITY OF GREEN BAY

DEBT SERVICE POLICY

CITY OF GREEN BAY DEBT POLICY	
Title: Debt Policy	**Policy Reference:** Chapter 10
Policy Source: Finance Department	**Legal Review Date:** _May 5, 2015
Finance Committee Approval: April _29, 2015	**City Council Approval:** _May 5, 2015

10.1 Definition

A debt policy is a tool which sets rules and provisions for the management of existing debt, compliance with post-issuance requirements for tax-exempt debt, issuance of additional debt, and prompt and timely payment of all debt service. Such a policy improves the quality of decisions, provides justification for the structure of debt issuance, identifies policy goals, demonstrates a commitment to long-term financial planning and maintains the City's credit rating. A well managed debt program should allow for funding of capital projects within anticipated funding sources.

10.2 Purpose

This policy will be a positive factor in the municipal market's assessment of the City of Green Bay's credit quality. The City's financial condition and credit ratings should always be the primary considerations when considering the issuance of debt. A debt policy sets forth parameters which will provide for consistency and continuity in the decision process. This leads to better long term planning and financial health which allows the City to attain as well as maintain the highest bond rating it deserves. The City recognizes that access to capital markets over the long term is dependent upon the City's unwavering commitment to full and timely repayment of debt.

10.3 Policy

The City of Green Bay will confine long-term debt to capital improvements, long term fixed assets which outlive the debt issued for them or to refund existing debt. The

capital improvements program includes projects to acquire, plan, design, construct, improve and equip all or any part of its facilities or systems, promote economic development, or to secure quality of life issues. The City will work with its Finance Director, Treasurer, and fiscal agent to make sure there is adequate funding for its debt service and make prompt and timely payments on its outstanding debt.

10.4 Types of Debt

10.4.1 General Obligation Bonds and Promissory Notes

The defining feature of general obligations is the source of funds that secures their repayment: an ad valorem tax levied on all taxable property within the limits of the municipality at the time the general obligation is issued. Chapter 67 of the Wisconsin Statutes governs the issuance of various general obligations known as "general obligation" bonds or notes.

General obligation bonds may be issued by a municipality to finance projects as described in Chapter 67 of the Wisconsin Statutes that are undertaken for a public purpose. The term of general obligation bonds is limited to 20 years from the original date of issuance.

General obligation promissory notes may be issued for any public purpose. Unlike bonds, the issuance of notes is not limited to projects. Therefore, notes can be issued to fund general and current capital expenses other than those permitted in connection with bonds. The term of notes is limited to ten years from the original date of issuance, subject to extension for an additional ten years through refunding notes.

The City of Green Bay shall limit issuance of bonds and notes exclusively for the acquisition, planning, design, construction, development, extension, enlargement, renovation, rebuilding, repair or improvement of land, waters, property, streets, buildings, equipment or facilities when it can be determined that future citizens will receive a benefit from the improvement(s) and the asset(s) outlive the length of the debt issued. Incidental to the issuance of bonds and notes, a portion of the proceeds can also be used

to pay the associated issuance costs and capitalized interest when appropriate. Proceeds from long-term debt shall not be used to fund current operating costs.

10.4.2 State Trust Fund Loans

The Board of Commissioners of Public Lands of the State of Wisconsin has funds available to loan to Wisconsin cities and villages. The Board may loan trust fund money to a city for any project undertaken for a public purpose consistent with the purposes allowed for issuance of general obligation bonds. The term of trust fund loans is limited to 20 years.

State trust fund loans should also be considered when the interest rate offered makes the cost of borrowing less than or comparable to general obligation bonds after considering the cost of issuance.

10.4.3 Revenue Bonds

Revenue bonds may be issued to finance public utilities, economic development projects or other projects allowed by Chapter 66 of the Wisconsin Statues. Repayment for this type of loan is made from the underlying revenues generated by the project. Revenue obligations have no claim on the taxes or other general revenues of the issuing municipality and are not debt of the municipality. Revenue obligations give municipalities the ability to recover the cost of a project from beneficiaries of the project or users of the facility.

The City of Green Bay should limit the use of revenue bonds to capital improvements for its water utility or other such enterprise utilities which may be created and fall under the direction of the Common Council, economic development projects, or other projects as allowed by Chapter 66 of the Wisconsin Statutes. Incidental to the issuance of the bonds, a portion of the proceeds can also be used to pay the associated issuance costs, project reserve funds, and capitalized interest when appropriate.

10.4.4 Capital Leases

Capital lease financing shall be considered only if verifiable operating savings, when properly discounted, outweigh the lease financing costs. Written justification detailing the explanation of factors considered, including cash flow analysis reviewed by the Finance Director, will be submitted to the Finance Committee for consideration and approval before any lease is entered into.

10.4.5 Other Debt Instruments

The City of Green Bay shall primarily issue the types of debt instruments outlined above. Other types of debt instruments may be issued as appropriate if their use is necessary or advantageous to the City. If other types of debt instruments are utilized, applicable state and federal guidelines shall be followed. The City will attempt to limit the use of short-term debt to bond anticipation purposes. Proceeds from long-term debt shall not be used to pay for current operating expenses.

10.4.6 Conduit Debt

From time to time, the City may be asked to act as a conduit to issue bonds to promote economic development or secure quality of life projects on behalf of for-profit or not-for profit entities as borrowers. Prior to using the City as a conduit issuer, the borrower shall provide substantive proof acceptable to the City that no budget appropriation shall be required to pay the debt. The City shall not allow the issuance of such debt on behalf of the borrower if doing so would prevent the City from issuing "bank qualified" debt for its own purposes without compensation from the borrower to cover the additional debt service cost.

10.5 Debt Limitations.

10.5.1 Maximum amount of indebtedness

Section 67.03(1) of the Wisconsin Statutes provides that the amount of indebtedness of a municipality shall not exceed 5 percent (5%) of the equalized valuation of the taxable property in the municipality. Although Wisconsin Statutes allows five

percent (5%) of the equalized valuation, the City has set an internal debt goal, which seeks to remain below 50% of the maximum amount allowed by the Wisconsin Statutes.

10.5.2 Useful life shall be longer than the debt issued for its purchase

The City shall consider the useful life of the project being financed and the long-range financial and credit objectives when determining the final maturity structure of the debt.

10.5.3 Spend down of borrowed proceeds

All debt issued will be for shovel ready projects. Draw down of the proceeds will be in accordance with IRS rules for new money general obligation debt whereby ten percent (10%) of the proceeds will be spent within 6 months of the date of issuance, 50% within 12 months of the date of issuance, 75% within 18 months of the date of issuance, and 100% within 24 months of the date of issuance. If this schedule is not met, then the Finance Department will review the tax certificate and other governing documents for the debt issue to determine if any action is required with respect to rebate and yield restriction as described in Section 10.10.4. If there are any unspent proceeds remaining upon completion of the project for which the debt was issued, the balance of unspent proceeds will be applied to the debt service levy of the same issue. Each general obligation debt will be closely monitored so that it adheres to IRS regulations in respect to arbitrage and spend down rules. If the State Trust Fund is utilized for the issuance of debt, all draw requests must be made within four months of receiving the approval of the State Trust Fund to borrow the funds.

10.5.4 The City of Green Bay shall utilize any debt obligations it has at its disposal to take advantage of the lowest cost of the debt or for another benefit for the City.

10.5.5 The City of Green Bay will follow a policy of full disclosure on every financial report and offering document relating to the debt issuance.

10.6 Credit Objectives.

10.6.1 The City of Green Bay will strive to maintain or improve its current rating with Moody's: City (Aa2) and RDA (A1). The City will strive to maintain good relations with the rating agency and keep them informed of significant developments that could affect the City's credit rating.

10.6.2 The following objectives will be used to maintain debt service requirements at an affordable level and enhance the credit quality of the City:

- The levy for debt service shall be no greater than twenty-five percent (25%) of the total levy, with an effort to maintain the levy at a proportionate, even level for tax rate stabilization.
- Flexibility to fund future expenditures necessary to provide essential City services and economic viability.

10.7 Method of sale

10.7.1 The City shall issue general obligation debt through a competitive bidding process with the exception of negotiated sales authorized by the Common Council for general obligation promissory notes or refunding bonds. Section 67.08(2) of the Wisconsin Statues requires the sale of new money general obligation bonds to be sold by public sale. Bids will be awarded on a true interest cost (TIC) basis, provided that other bidding requirements set forth in a notice of sale are satisfied. In the event the Finance Director believes competitive bidding produced unsatisfactory bids for a sale of general obligation bonds, the Common Council may authorize the Finance Director and the City's financial advisors to negotiate such sale.

10.7.2 Negotiated sales of general obligation promissory notes or refunding bonds will be considered in circumstances when the complexity of the issue requires specialized expertise (such as advanced refunding or restructuring debt service), when time to complete a sale is critical, or when a negotiated sale would result in substantial cost savings. Negotiated sales of debt will also be considered for revenue bonds, bond anticipation notes, and leases when the complexity of the project, revenue source for debt service, or security for the debt makes it likely that a negotiated sale would result in a financial advantage to the City. Wisconsin Statutes permit either a public or negotiated sale for those types of debt instruments.

10.8 Refinancing / refunding of debt

10.8.1 Periodic reviews of outstanding debt will be undertaken to determine refinancing or refunding opportunities. Refinancing or refunding opportunities will be considered (within federal tax law constraints) if and when there is a net economic benefit for the refinancing or refunding.

10.8.2 In general, the City may capitalize on a refinancing or a refunding opportunity for economic savings when net present value savings of at least 2% of the refinanced / refunded debt can be achieved. Current refinancing or refunding that produce net present values savings of less than 2% savings may be considered when there is a compelling public policy or long-range financing policy objective.

10.9 Disclosure

10.9.1 The City is committed to full and complete financial disclosure, and to cooperate fully with rating agencies, institutional investors, other units of government, and the general public to share clear, comprehensible, and accurate financial information.

10.9.2 The Finance Department will provide continuing disclosure to the Municipal Securities Rule Making Board in compliance with the continuing disclosure agreement entered into on the date of each debt issuance, as required under Securities and Exchange Commission Rule 15c2-12. Such disclosures include certain events relating to the debt issue that may happen throughout the year, which are listed in each continuing disclosure agreement, and the City's annual financial information and operating data described in such agreement.

10.10 Post-Issuance Tax Compliance for Tax-Exempt Debt

10.10.1 Debt obligations of the City are referred to in this section as "**bonds**", whether the obligations are actually called bonds, promissory notes, a loan, or some other name.

Interest on most of the City's bonds is exempt from federal income tax, subject to compliance with Internal Revenue Code requirements, including *restrictions on investment of bond proceeds* and *requirements as to use of bond proceeds*. This Section sets forth procedures to monitor post-issuance compliance with the applicable federal tax requirements.

In addition, the City may issue (or may have issued) direct-pay, tax-advantaged borrowing obligations, such as Build America Bonds, that are subject to similar restrictions.

These procedures do not apply to bonds of the City that are "conduit bonds", the proceeds of which are loaned to a nongovernmental person or entity, as described in Section 10.4.6.

10.10.2 Identification of Bond Issues for Federal Tax Purposes

The City acknowledges that the federal tax rules apply separately to each bond issue for federal tax purposes. Sometimes, for federal tax purposes, two or more separately named bond issues may be treated as a single bond issue, or a single named bond issue may be treated as being composed of two bond issues. The Finance Department will review the City's tax certificates, and consult with bond counsel as necessary, to identify and maintain a list of each outstanding bond issue, as treated for federal tax purposes.

10.10.3 Record Retention

For each bond issue, the Finance Department will arrange for records to be kept of the investment and application of proceeds and the use of bond-financed property. For each bond issue, the records will be kept until at least 4 years after the bond issue is completely retired.

The records do not need to be kept at a single location, and they may be kept in physical or electronic form.

10.10.4 Rebate and Yield Restriction

For each bond issue, the Finance Department will comply with the requirements in the tax certificate and authorizing resolution, which generally include obtaining rebate determinations or a determination that rebate is not required.

Unless the Finance Department determines that rebate is not required, the Finance Department needs to establish the initial rebate determination date: it should be not later than the 5th anniversary of the date of issuance of the bonds. Additional rebate determination dates occur every 5 years thereafter and on the date the last bond of the

issue is completely retired. Any rebate payment must be paid to the United States Treasury within 60 days after the rebate determination date.

As a general policy, the Finance Department should cause a rebate determination for the bond issue to be started by 60 days prior to each rebate determination date and completed by 14 days before a rebate payment would be due, and should arrange for any required rebate payment to be made to the United States Treasury by the due date.

The Finance Department will identify all funds and accounts that are treated as containing gross proceeds of the bond issue and take actions needed to comply with any yield-restriction requirements, as further detailed in the tax certificate for the bond issue. For example, if proceeds in the borrowed money fund (for general obligations) or a comparable project or construction fund (for a revenue bond issue) are not spent within the 3 year "temporary period", the Finance Department will obtain yield-restriction computations for the applicable fund and, if needed, make yield-reduction payments to the United States Treasury.

10.10.5 Investment of Bond Proceeds

The Finance Department will direct the investment of all bond proceeds in arm's-length, fair-market-value purchases and sales and will not permit the linking of the purchase or sale of investments to the provision of other services to the City, such as underwriting services.

Federal tax law safe harbors apply to the following types of investments:

Certificates of deposit

Guaranteed investment contracts

Yield-restricted defeasance escrow investments

If a federal tax law safe harbor applies to the type of investment, then as a general policy the Finance Department will arrange for the investment to meet all the requirements of the safe harbor to the extent reasonably practicable.

Certificates of Deposit: The purchase price of a certificate of deposit is treated as its fair market value if the yield on the certificate is not less than the yield on reasonably comparable direct obligations of the United States and the highest yield that is published or posted by the provider to be currently available from the provider on reasonably comparable certificates of deposit offered to the public.

Guaranteed Investment Contracts: As a general policy, for each purchase of a guaranteed investment contract, the Finance Department will retain a bidding agent to conduct a bona fide competitive bidding process and require the bidding agent and provider to provide certifications substantially in the form approved by bond counsel. The Finance Department will maintain a record of the amounts paid for brokerage commissions, bidding agent fees, and other similar administrative costs.

Yield-Restricted Defeasance Escrow Investments: As a general policy, amounts in yield-restricted defeasance escrows will be invested in United States Treasury securities (State and Local Government Series) *unless* those securities are not available for purchase *or* the Finance Department determines, after consultation with an independent financial advisor, that there are bona fide financial reasons for the purchase of other types of investments. In those cases, the Finance Department will retain a bidding agent to conduct a bona fide competitive bidding process and require the bidding agent and provider to provide certifications substantially in the form approved by bond counsel. The Finance Department will maintain a record of the amounts paid for brokerage commissions, bidding agent fees, and other similar administrative costs.

10.10.6 Monitoring Possible Private Business Use when exempt debt was used for its construction or purchase

The Finance Department and the City Attorney's Office will review any contractual arrangement that may result in private business use of bond-financed property before the arrangement becomes effective. Arrangements that give rise to private business use generally include contracts that provide special legal entitlements to persons other than a State or local government (a "**nongovernmental person**") or the general public. Sales and leases of bond-financed property always give rise to private business

use. Arrangements that may give rise to private business use, depending on the terms of the contract, include management or service contracts and research agreements.

If the Finance Department and the City Attorney's Office determine that an arrangement provides for use by a nongovernmental person of any bond-financed property, then the Finance Department and/or the City Attorney's Office will consult with bond counsel to determine whether, and the extent to which, the arrangement gives rise to private business use and obtain any recommendations about any further or subsequent review.

10.10.7 Changes of Use of Bond Financed Property and Remedial Actions

As a general policy, the Finance Department will consult with bond counsel in connection with each bond issue regarding the specific private business use limit (or private security or payment limit) that applies to that bond issue. The Finance Department will track and record any private business use of financed property (or private payments made with respect to such usage).

If the Finance Department determines any transaction has caused, or may potentially cause, the private business use limit (or private security or payment limit) of a bond issue to be exceeded, or cause the private loan limit to be exceeded, the Finance Department will consult with bond counsel to determine whether a remedial action is required or otherwise advisable. If possible, the Finance Department will do so before the transaction is final, so that remedial action requirements and options may be taken into account.

Out of an abundance of caution, the Finance Department should consider a transaction as potentially causing the private business use limit to be exceeded if *in any year* the amount of private business use is greater than the limit.

The general policy of the City is that each remedial action should be approved by an opinion of bond counsel, even in cases where the legal documents for the bond issue do not expressly require such an opinion.

In the event the Finance Department and/or the City Attorney's Office determine that the City may have taken a deliberate action that results in noncompliance of a bond issue with restrictions on use of financed property or proceeds, and it is no longer timely to take a remedial action, the Finance Department and/or the City Attorney's Office will consult with bond counsel to determine whether it is necessary or appropriate to submit a request for a voluntary closing agreement to the Internal Revenue Service to obtain a waiver of non-compliance.

10.10.8 Review of Expenditure of Bond Proceeds

The City adopts, as a prudent practice, the policy of undertaking a review of expenditure of bond proceeds of each bond issue. The City has been advised by bond counsel that the period of time to correct or change expenditures of bond proceeds ends on the earlier of 18 months after the placed in service date of a bond-financed project or 5 years after the date of issuance of the bond issue. Accordingly, the Finance Director will conduct a review of expenditures of bond proceeds after expenditure, but before this period ends, for each bond issue. The review will include a determination that each expenditure is a capital expenditure for federal tax and financial accounting purposes, and that no expenditure is for a private business use, except as specifically approved by the Finance Director. The expenditure review will also determine whether the expenditure of bond proceeds falls within applicable "spend-down" exceptions to arbitrage rebate as described in Section 10.5.3 and that the private business use limit has not been exceeded as described in Section 10.10.7.

10.10.9 Revision of this Section 10.10

The procedures set forth in this section 10.10 may be revised from time to time to reflect changes of law and ideas for improvement, and they may be expanded to address other post-issuance tax compliance actions. They are solely for guidance of City personnel. There are no third-party beneficiaries of these procedures.

The Finance Department will confer with bond counsel prior to the finalization of each future update to the City's Debt Service Policy on the need or advisability to revise

this section 10.10 , taking into account experience in applying these procedures, changes in the law, and the requirements of new bond issues.

10.11 Payment of debt service

10.11.1 The Finance Director will work with the City's Treasurer and fiscal agent to timely remit payment for its debt service when due. The City will require its fiscal agent to issue an invoice to the City no less than 30 days prior to the due date. Funds shall be transferred by the City electronically to the City's fiscal agent no later than one business day prior to the debt service due date. The fiscal agent will then hold the funds, on behalf of the City, in a trust account until such payment is electronically transferred to the owners of the bonds or notes in accordance with the register it maintains.

10.12 Calculation and request for Build America Bond subsidy from the Internal Revenue Service

In 2009 and 2010 the Federal Government allowed state or local governments to issue bonds or notes known as Build America Bonds. The bonds or notes were required to be issued as taxable debt, for purposes that would otherwise qualify for tax-exempt debt, and the Federal Government subsidized 35% of the interest expense over the life of the bond issue. The subsidy is intended to equate the cost of issuing taxable debt to be at or below the cost of issuing tax-exempt debt. Subsidy payments are sent to the issuer upon receipt from the issuer of the necessary form within 60 days prior to each interest payment date of the bond issue. It is the responsibility of the Finance Director to complete the required forms and request the subsidy payment in order to receive the payment timely.

In 2013 the percentage of the subsidy payment was reduced by 7.3%. Post-issuance tax compliance described in Section 10.10 of this Debt Service Policy also applies to Build America Bonds.

10.13 Selection of Bond Counsel, Financial Advisors, and Debt Rating Agencies.

10.13.1 Bond counsel, financial advisors, and debt rating agencies will be selected as necessary according to the Wisconsin Statutes and City procurement policies.

Report to the
Ad Hoc Facilities Committee of the City of Green Bay

MEETING DATE

March 15, 2022

AGENDA ITEM # O.17

Ad Hoc Facilities Committee: To receive and place on file an overview of the Berners Schober 2015 evaluation of City-owned facilities by Director of Public Works.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. 564300_PoliceDepartment_FINAL
2. 564300_FireDepartment_FINAL
3. 564300_GBcity_DPW_FINAL
4. 564300_MunicipalGarages_FINAL
5. 564300_ParksDepartment_FINAL

EVALUATION

OF

CITY-OWNED FACILITITES

POLICE COLD STORAGE

August, 2015

POLICE DEPARTMENT

SUMMARY

Date of Visit: July 9, 2015
Address: 2230 N. Quincy Street

Building Description

The storage building at the Quincy Street site is an uninsulated metal panel structure. There is a mezzanine across the west 1/3 of the interior, a portion of which is fenced and locked. The area under the mezzanine is also fenced off from the rest of the interior. That area has its own access doors on the north side of the structure. Additional fenced areas are at the east side of the interior, accessed by a locked gate. All doors are painted metal, with varying degrees of rust apparent. The construction date of this building is unknown.

Code/Accessibility

Two legal means of egress are provided from the main building area. A separate means of egress is provided to the locked storage cage under the mezzanine. The mezzanine meets criteria to be served by a single means of egress, the stair.

As a typically unoccupied building, accessibility would not be a factor in the functionality or usage of this building.

Structural System

The structure is a pre-engineered metal building by "Varco-Pruden" consisting of structural steel rigid frames, z-purlins, and standing seam steel roof deck, supported by cast-in-place concrete foundations.

Plumbing Systems

No plumbing systems to report. Building roof has perimeter gutters and numerous downspouts.

HVAC Systems

The pre-engineered storage building is unheated, but is ventilated. The building is used to store various equipment including motorized vehicles. Two exhaust fans and two air intakes are utilized to ventilate the space. The systems are interlocked with the building lights such that the fans operate and the intake dampers open, when the lights are on and the fans turn off and the dampers close when the lights are off. This interlocked situation does not meet current code and is recommended for alteration.

Electrical Systems

The building is served by a 200 Amp, 120/240 Volt, single phase electrical service. The electric service panel is in good condition.

Receptacles are not GFCI protected.

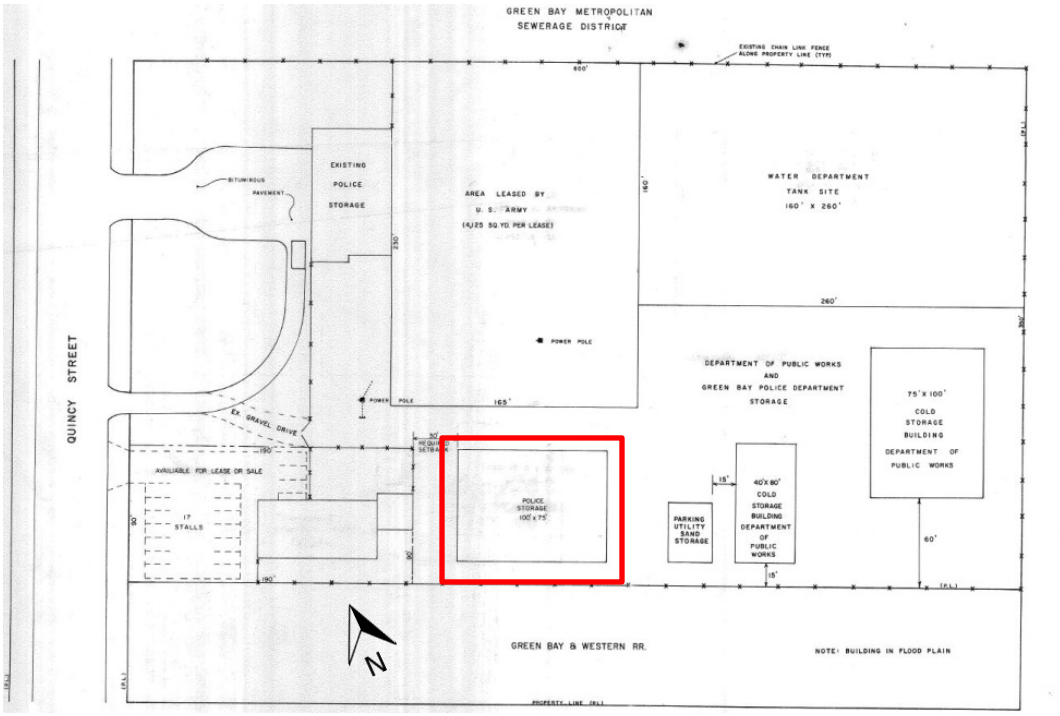
Lighting fixtures are HID in the full-height portion of the building. Fixtures in the mezzanine and beneath the mezzanine utilize T8 fluorescent lamps with electronic ballasts.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural			Exterior doors	**$5,000**
Code/ADA				**NA**
Structural				**NA**
Fire Protection				**NA**
Plumbing				**NA**
HVAC Systems	Ventilation controls			**$5,000**
Electrical			Receptacles	**$750**
Building Total				**$10,750**



Site Plan



Aerial View of Site

ARCHITECTURAL

Building Description

The storage building at the Quincy Street site is an uninsulated metal panel structure. There is a mezzanine across the west 1/3 of the interior, a portion of which is fenced and locked. The area under the mezzanine is also fenced off from the rest of the interior. That area has its own access doors on the north side of the structure. Additional fenced areas are at the east side of the interior, accessed by a locked gate.

Building Envelope

Exterior Walls

Building walls are corrugated metal wall panel on steel frame. The panels are dented and oxidized in spots, but this appears to be an aesthetic concern only.

Doors

A large overhead door is centered on the east façade, with a single swing door to its north. A pair of doors on the north façade provides access to the caged area under the mezzanine. A single swing door is on the south façade, near the bottom of the stair to the mezzanine. All doors are painted metal, with varying degrees of rust apparent.

Roof

Minimally pitched, corrugated metal roof panel on steel frame appeared to be in good working condition. Gutters and downspouts are as listed in the plumbing report.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Unknown	**Gross Area**	1,000 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group U – Utility and Miscellaneous		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

The Building Code for the State of Wisconsin has included the Utility building occupancy group since the adoption of the IBC family of codes in 2000.

Egress and Safety

Two legal means of egress are provided from the main building area; one by the stair to the mezzanine, and the other adjacent to the overhead doors. A separate means of egress is provided to the locked storage cage under the mezzanine.

The mezzanine itself is accessed by a single stair. As this is essentially a non-occupied building, and there is limited area on the mezzanine, it would comply with IBC Table 1015.1for spaces with one exit.

The stair handrails and mezzanine guard rails have openings larger than currently allowed by code, but are presumed to have complied at the time they were built. As there is limited access to this building, safety is not a concern with the opening sizes.

Summary of Accessibility/ADA Compliance

As a typically unoccupied building, accessibility would not be a factor in the functionality or usage of this building. Regardless, two of the three doors do provide at-grade accessibility, and the required accessible width of opening.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	F			
Exterior Facade Condition	F			
Exterior Door Condition	F HP	$5,000		Doors with more significant rust may need replacing earlier.
Accessibility	NA			



East Elevation



North Doors to Caged Area



East Door



South Door

STRUCTURAL SYSTEM

Summary

The structure is a pre-engineered metal building by "Varco-Pruden" consisting of structural steel rigid frames, z-purlins, and standing seam steel roof deck, supported by cast-in-place concrete foundations.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				Unknown
Structure type				
Foundations	**C**			Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings.
1st Floor	**C**			Concrete slab on grade with minimal shrinkage cracking near overhead door.
Mezzanine	**C**			Plywood floor over steel deck and open web steel joists supported by structural steel channels and pipe columns.
Roof	**C**			Standing seam steel roof deck over z-purlins supported by structural steel rigid frames.
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams and columns, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

PLUMBING SYSTEMS

Summary

This is a metal pole building.
No plumbing systems to report. Building roof has perimeter gutters and numerous downspouts.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	NA			
Sanitary Piping/Main	NA			
Storm/Clearwater Drainage	F		P1	
Code Issues	NA			

NOTES:

P1. Metal building with gable roof. Roof has gutters and numerous downspouts. Downspouts discharge to grade. Area around the building is gravel, pitches to the south lower area/railroad tracks.



Building Roof Edge



Gravel site Area

HVAC SYSTEMS

Summary

The pre-engineered storage building is unheated, but is ventilated. The building is used to store various equipment including motorized vehicles. Two exhaust fans and two air intakes are utilized to ventilate the space. The systems are interlocked with the building lights such that the fans operate and the intake dampers open, when the lights are on and the fans turn off and the dampers close when the lights are off.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air intake/Make-up	C		H1	Two intakes, line voltage damper actuators open when lights are turned on.
Exhaust Fan	C		H1	Two cabinet fans ducted to near floor. CFM rate is unknown.
Control	D	$5,000	H1	System interlocked to lights.

NOTES:

H1. The building is not heated but ventilated because of the vehicles. The air intakes are compliant and the fans appear to be sized to ventilate the building adequately but the exact CFM could not be verified. The fans are connected to operate with the lights. This does not meet current code.

A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. A garage exhaust fan project to revise the exhaust fans and control system is necessary to improve garage ventilation and occupant safety.

Installing a small fan to continuously ventilate the space at the minimum flow rate, and retain the light switch interlock on the existing fans is recommended.

ELECTRICAL SYSTEMS

Summary

The building is served by a 200 Amp, 120/240 Volt, single phase electrical service. The electric service panel is in good condition.

Receptacles are not GFCI protected.

Lighting fixtures are HID in the full-height portion of the building. Fixtures in the mezzanine and beneath the mezzanine utilize T8 fluorescent lamps with electronic ballasts.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Disconnect Panel	C			Good condition
Branch Panels	C			Same as Main Service Disconnect Panel
Emergency Power Distribution Equipment				
Branch Panels	NA			There are no emergency branch panels
Lighting				
Interior	C	$5,000	E1,E2	Consider replacing HID lamped fixtures with LED sourced fixtures
Power				
Receptacles	HP	$750		Replace non-GFCI receptacles with GFCI type

NOTES:

E1. LED fixtures provide the convenience of immediate ON while HID fixtures go through a warm-up cycle which lasts several minutes.

E2. Immediate reduced operational costs plus reduced future maintenance costs should be evaluated before investing in retrofitting fixtures. ROI may not warrant replacement cost due to building's limited occupied use.



Service Equipment

EVALUATION

OF

CITY-OWNED FACILITITES

EAST SIDE INCINERATOR

August, 2015

POLICE DEPARTMENT

SUMMARY

Date of Visit: July 9, 2015
Address: 2228 North Quincy Street

Building Description

The east side incinerator, now decommissioned for incineration, was constructed in 1946. Interior walls are primarily modular face brick of the exterior wall construction. The office and toilet rooms are glazed ceramic block.

Exterior walls are comprised of the following: 12" solid masonry wall with running bond, modular sized face brick exterior, assumed filler brick core, and modular sized face brick inner surface. Major masonry repair, including tuck pointing at most mortar joints, is required.

Windows of steel mullion with single-pane glass and divided lights original to the building are still in place. Several original window openings are infilled with concrete block. Others are blocked off with building materials on the exterior, while the window itself is still in place on the interior.

Exterior doors are in very poor condition. The main door does not have functioning hardware aside from hinges. Other doors are in need of paint.

The higher roof is gravel infused built-up roofing, beyond deteriorated. The lower roof is ballasted EPDM membrane roof in equally poor condition. The majority of the floor is concrete. The former office and toilet room have quarry tile, damaged in areas. Parapet stone is damaged in several areas, missing in others. Copper flashing is well beyond lifespan. Majority of sealant and seams are supporting plant life.

Code/Accessibility

For both security and safety reasons, legal means of egress should be re-established. This will require replacement of two doors and hardware; one at main entry, and one of the doors serving the basement.

The first floor of this building is at grade. Its lower level is abandoned, and has no need for access.
There is no water to the facility; plumbing fixtures have been disconnected. Although this building has no need for accessibility, a clear entry/egress path should be maintained for safety purposes.

Structural System

The structure consists of precast concrete over structural steel purlins/girders and cast-in-place floor slabs over concrete encased steel purlins all supported by an interior steel frame and/or exterior load-bearing masonry walls.

There are various locations of cracking in the upper and lower level concrete slabs, due to concrete shrinkage. This is not a cause for structural concern.

Plumbing Systems

Services in the building have been removed and/or abandoned. Plumbing fixtures have been disconnected and abandoned in place. Roof drains are still in place and functioning. Storm piping is not insulated. There is no secondary roof drainage.

HVAC Systems

Currently there is no ventilation in this building. The original boiler system, piping, radiators, and incinerators are abandoned. An electric heater installed in the storage area appears to be 20+ years old and is abandoned.

Electrical Systems

The building is served by a 100 Amp, 120/240 Volt, single phase electrical service. The present equipment was installed to replace the original service equipment – which remains abandoned in place on the east wall. There is an abandoned chest freezer occupying the working clearance space in front of the electrical equipment.

Receptacles are not GFCI protected.

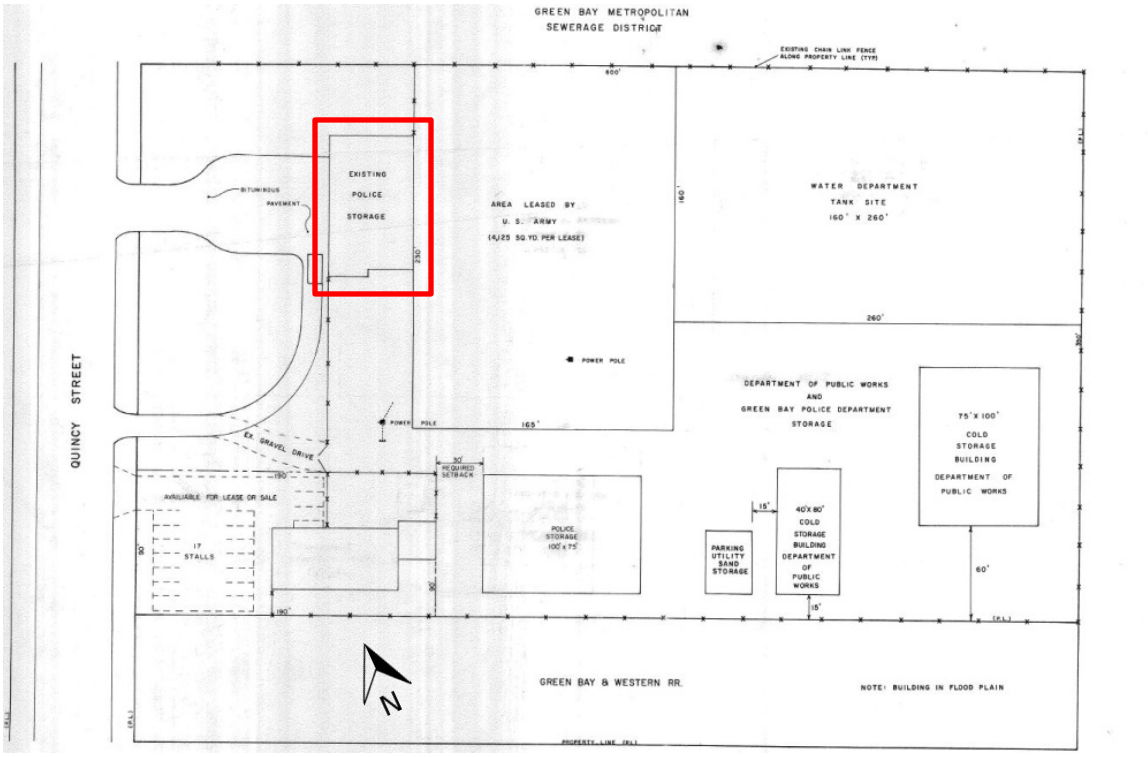
Lighting fixtures utilize T12 lamps and presumably magnetic ballasts. Many lighting fixtures do not work. Exit signs are not working.

Estimates

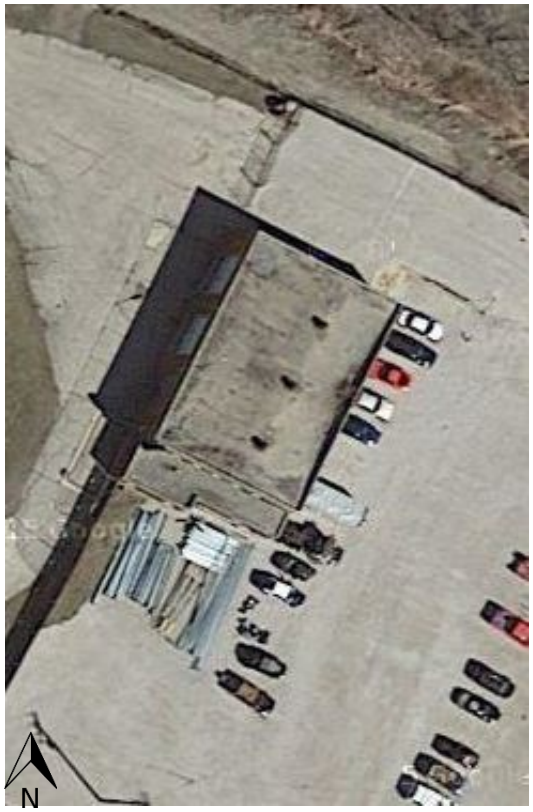
Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

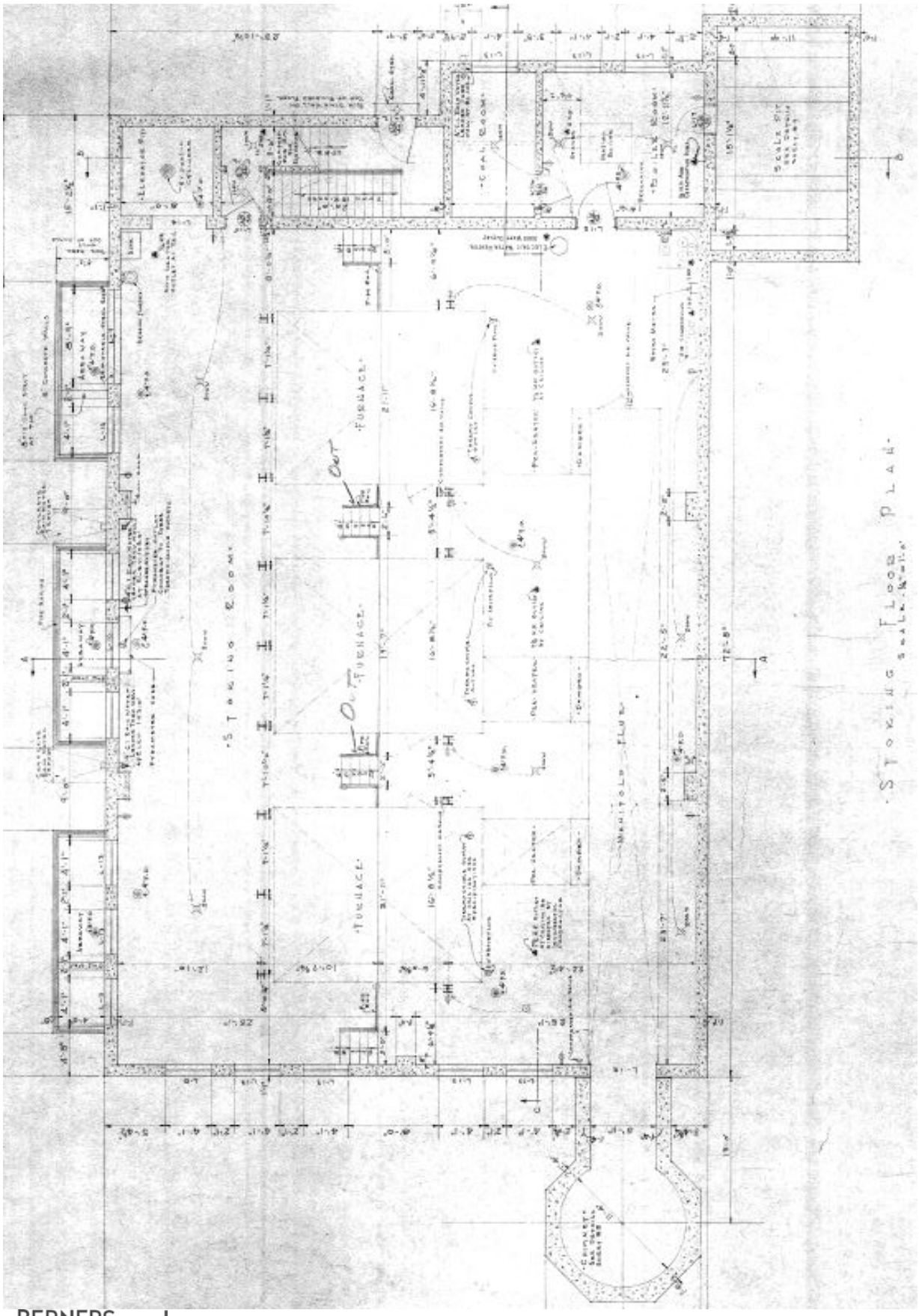
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural	Roof Condition			**$40,000**
		Exterior Façade Condition		**$20,000**
	Exterior Door Condition			**$10,000**
		Window Condition		**$25,000**
Architectural Subtotal				**$95,000**
Code/ADA	Egress and Safety			**(doors as noted in Arch. above)**
	Exterior doors			
Structural				**NA**
Fire Protection				**NA**
Plumbing				**NA**
HVAC Systems	Exhaust Ventilation			**$20,000**
	Control			**$10,000**
HVAC Subtotal				**$30,000**
Electrical			Receptacles	**$750**
Building Total				**$130,750**

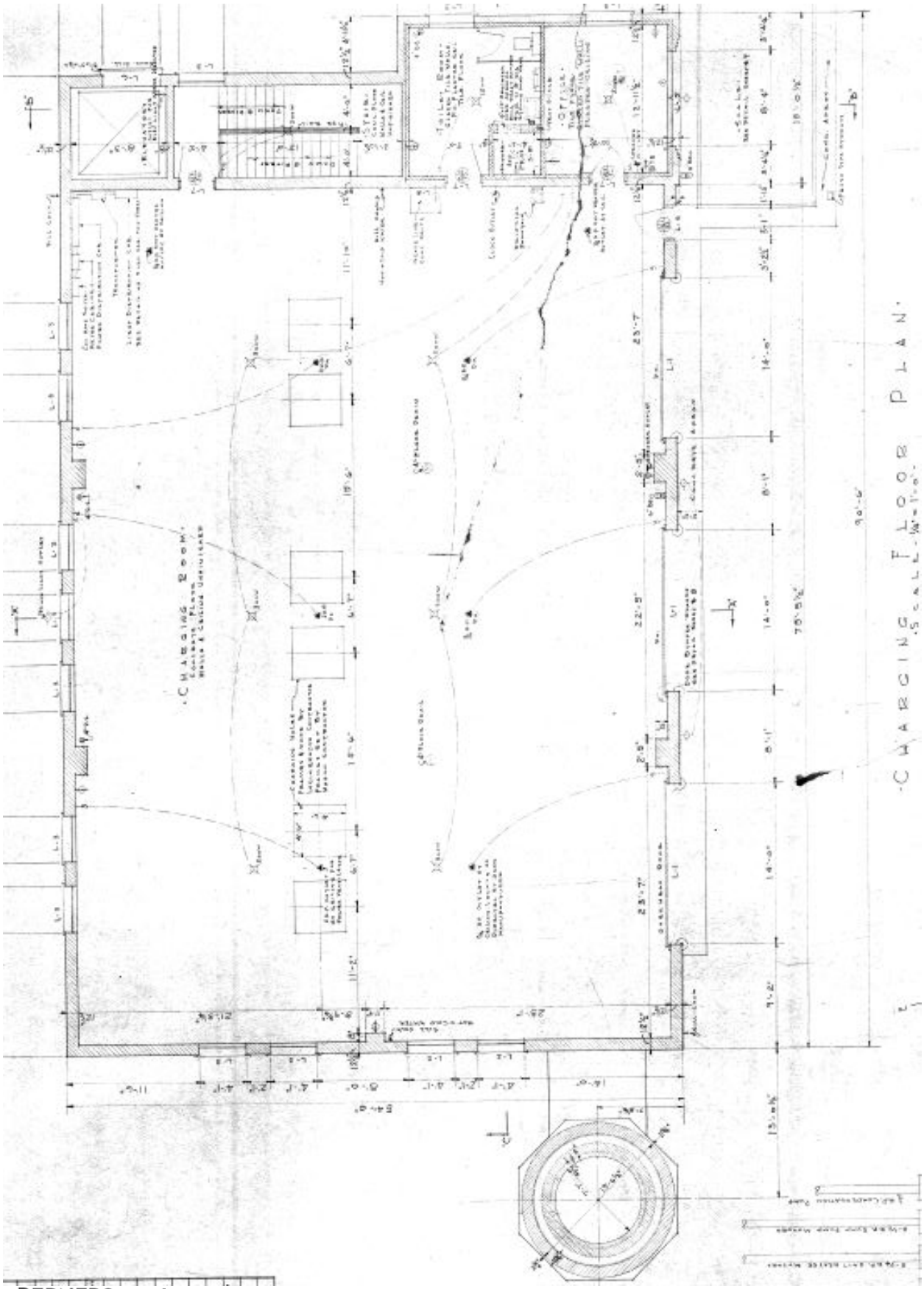


Site Plan



Aerial View of Site


STORAGE ROOMS
FURNACE
FURNACE
FURNACE
MANIFOLD FLUE
STORAGE FLOOR PLAN


CHARGING FLOOR PLAN
Scale: 1/8"=1'-0"
CHARGING ROOM

ARCHITECTURAL

Building Description

After being de-commissioned as a city garbage incineration facility, this building has been used as storage for both the Department of Public Works (1 garage bay) and the Police Department (remainder of building). Wood frame and poultry netting partition is used inside the building to separate and secure the two departments' areas, and to establish a walkway along the perimeter near the office and stair access.

The basement is unlit. All old equipment and incinerators are in place, many with trash remaining in them. A metal grate stair leads to a back exit directly from the basement. The exit opens to an exterior stair in a partially below-grade concrete well. Debris and plant growth prevented close observation of this area.

Building Envelope

Exterior Walls

Walls are comprised of 12" solid masonry wall with running bond, modular sized face brick exterior, assumed filler brick core, and modular sized face brick inner surface. Major masonry repair, including tuck-pointing at most mortar joints, is required.

Limestone trim is excessively stained and chipped at majority of the building. The limestone is damaged or missing at portions of the parapet cap. Engaged bollards at exterior of garage doors are damaged or missing.

Windows

Windows of steel mullion with single-pane glass and divided lights original to the building are still in place. Several original window openings infilled with concrete block, several others blocked off with various building products on the exterior, while the window itself is still in place on the interior. Sealant at perimeter is split, separated and torn from jambs in most cases.

Exterior doors

Exterior doors are in very poor condition. The main door at the front of the building does not have any functioning door hardware aside from hinges. Side door at stair landing and exterior elevator door are both rusted and most paint layers are worn off. Garage doors also are in need of paint.

Roof

The higher roof is gravel infused built-up roofing, beyond deteriorated. Excessive holes, failures, vegetation, debris, etc. are present. Lower roof is a ballasted EPDM membrane roof, younger but in equally poor condition. Parapet stone is damaged in several areas, missing in others. Copper flashing is well beyond lifespan. Majority of sealant and seams are supporting plant life.

Interior Finishes

Floors

Basement and main garage area have concrete floors. The former office and toilet room have quarry tile, damaged in areas. Concrete at stair shaft was painted at one time. The paint is significantly worn and peeling.

Walls

The majority of interior walls are modular face brick of the exterior wall construction. The office and toilet rooms are glazed ceramic block.

Doors

Original interior doors are in place at the office, toilet room and stair. They are 5-panel wood doors. Stair and office doors have vision lights in the upper panels. Hardware looks to be original.

Ceilings

The majority of the building has exposed structure at ceiling. A portion of the police storage area of the garage has had a wood frame with gypsum board attached, presumably to retain heat in that area. Stair, toilet room and office have plaster ceilings in poor condition. Paint is peeling over much of the surface.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	N/A	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	D	$40,000		
Exterior Facade Condition	CP	$20,000		
Exterior Door Condition	D	$10,000	A1	
Window Condition	CP	$25,000		
Walls	F			Adequate for the building's current use.
Doors	F			Adequate for the building's current use.
Ceilings	F		A2	

NOTES:

A1. Replacement of two exterior doors is recommended to maintain security of building and weather-tightness; the front door and the door at the stair landing.

A2. Addressing the roof issues will help the ceiling integrity to be maintained. Although not in good condition, since the building is currently unoccupied, they do not pose a risk in their current state.



West Elevation



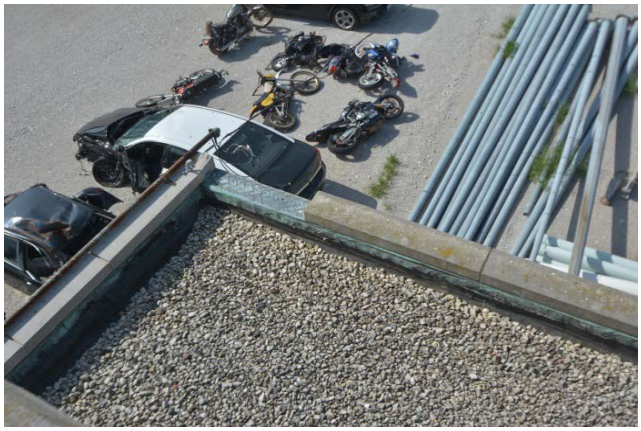
South Elevation



North Elevation



East Elevation



Missing Parapet Cap



Damage Parapet Cap and Flashings



Roof Condition



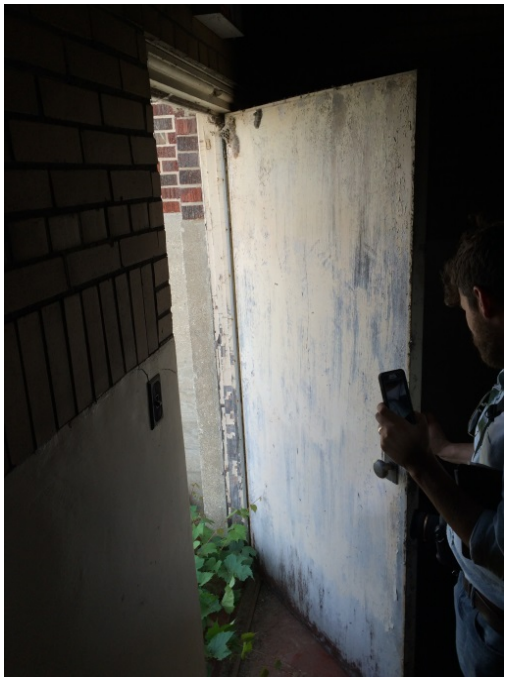
Roof Condition



Garage Doors



Main Entry Door



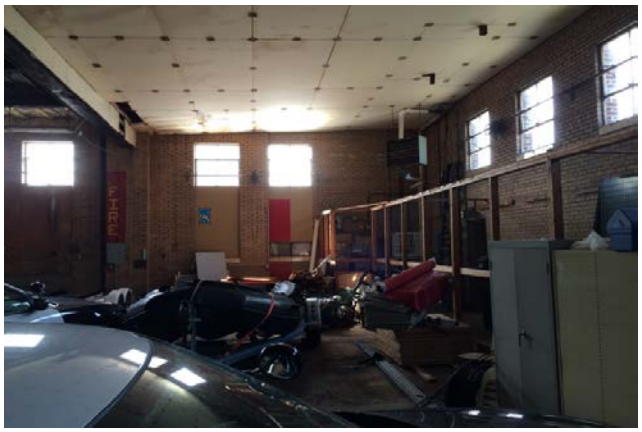
Exterior Door at Stair Landing



Exterior Elevator Door



Garage Interior



Partition Along Garage Edge



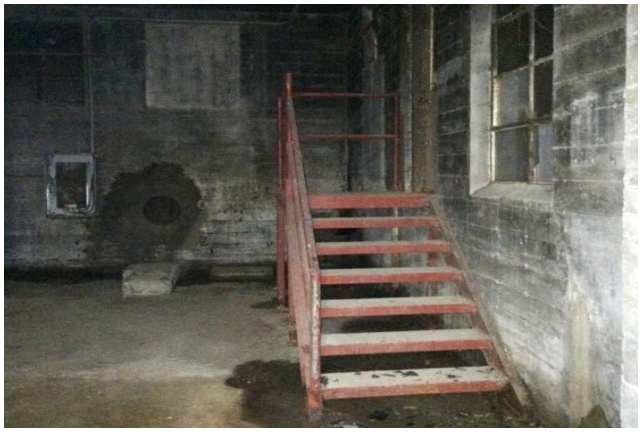
Ceiling at Office



Basement Incinerators



Floor at Stair



Basement Egress Stair



Existing Windows Blocked in at Exterior



Door to Stair Shaft



Quarry Tile at Office



Duct Through Office

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1946	**Gross Area**	Basement: 4,212 SF First Floor: 4,780 SF
Occupancy Classification *(Chapter 3 of IBC)*	Current usage is S-2 Low Hazard Storage		
Construction Type *(Chapter 6 IBC)*	Construction Type II-B		

Summary of Code Compliance/Life Safety

Due to the state of the building, a complete listing of non-compliant items would be extensive. This summary will address items that are of short term concern in terms of life safety and building security. Although the side and back portions of the building face a locked, fenced enclosure that only city employees have access to, the front and one side are not within the enclosure.

Despite current condition, it should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility of the renovated items. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**. Simple one-for-one repair or replacement of existing elements will not trigger upgrades or accessibility requirements.

Egress and Safety

Any building is presumed to have complied with code at the time it was built. This building did not have two legal means of egress from the first floor that would be far enough apart to comply with current codes. Both then and now, the building's occupant level would qualify it for a single means of egress.

The entry door has no operable hardware, but must be opened by lock and key, and then pushed. If anyone were accidentally trapped inside, they would not be able to exit via this door. This door is on the publicly accessible side of the building. For basic safety and security reasons, in addition to weather-tightness, this door should be replaced.

Although not a legal means of egress, the garage doors that function via operators from inside the building do provide some level of egress safety. For the one garage stall used by the Department of Public Works, this is the primary way in and out of their space.

The egress door at the stair shaft is also in very poor condition, although it does have operable hardware. The other egress point from the basement is at the northeast side of the basement, accessed via a metal grate stair and egressed through an exterior stair well. For basic building safety, at least one of these two doors should be made functional.

Stair Shafts

The one stair shaft has a door at top and bottom, but there are no fire ratings to the openings. This is presumed to have complied with code at the time it was built.

Handrails and Guardrails

Hand and guard rails at stair are on one side only, and openings are larger than current code allows. Since the building has limited use and access, this is not a concern.

Summary of Accessibility/ADA Compliance

The first floor of this building is at grade. Its lower level is abandoned, and has no need for access. There is no water to the facility; plumbing fixtures have been disconnected.

Accessible Route

Although this building has no need for accessibility, a clear entry/egress path should be maintained for safety purposes. Recommend clearing and/or organizing the animal cages and other stored material to provide a minimum 36" wide corridor along the passageway from front door to stair door.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Egress and Safety	D		CA1	
Stair Shafts	F			
Handrails/Guardrails	F			
Code Compliance/Life Safety				
Accessible Route	F		CA2	
Exterior Doors	D		CA1	
Plumbing Fixtures	NA			

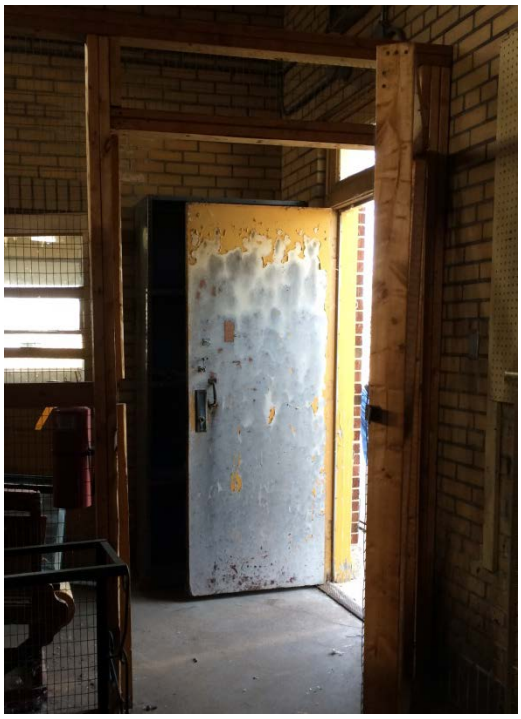
NOTES:

CA1. See architectural report for cost estimates on replacing doors. Recommend replacing at least one of the existing exterior doors. Lever handles are code requirement for any new or renovated work.

CA2. Create a 36" wide clear path from front entry door to stair door for safety purposes.



Lack of Hardware, Front Door



Exterior Pull at Front Door



Railings and Door at Stair Shaft



Railings at Exterior Stair Well

STRUCTURAL SYSTEM

Summary

The structure consists of precast concrete over structural steel purlins/girders and cast-in-place floor slabs over concrete encased steel purlins all supported by an interior steel frame and/or exterior load-bearing masonry walls.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1946 (Levi A. Geniesse Architects Project 464)
Structure type				
Foundations	**C**			Cast-in-place concrete foundation and/or basement walls bearing on individual spread or continuous strip footings.
Lower Level	**C**		**S1**	7" concrete slab on grade with 6x6 #6/#6 wire mesh reinforcing over concrete incinerator footings or 3" base slab.
Upper Level	**C**		**S1**	One-way solid concrete slab over concrete encased steel wide flange purlins/girders bearing on interior steel H-columns and exterior load-bearing masonry walls.
Roof	**C**			Precast concrete channel slabs over steel wide flange purlins/girders bearing on exterior load-bearing masonry walls. (Low roof on south end of building is a 5" thick cast-in-place concrete slab.)
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams, columns, floor slabs, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There are various locations of cracking in the upper and lower level concrete slabs. The cracking is primarily due to concrete shrinkage and is not a cause for structural concern. No remedial action is recommended at this time.



Typical Precast/Steel Roof Structure



Concrete Slab Cracking in Lower Level

PLUMBING SYSTEMS

Summary

Building was constructed in 1946. Building is used strictly for storage; services in the building have been removed and/or abandoned. Plumbing fixtures have been disconnected and abandoned in place. Roof drains are still in place and functioning, but roof is in need of repair. Storm piping is not insulated.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	NA			Disconnected/abandoned
Sanitary Piping/Main	NA			Abandoned
Storm/Clearwater Drainage	F		P1	Poor condition
Code Issues	NA			No apparent code issues.

NOTES:

P1. Building is served by numerous interior roof drains and piping. Piping is not insulated. No secondary roof drainage. Roof is in poor condition.



Roof Drain & Piping – Not Insulated



Building Roof

HVAC SYSTEMS

Summary

The building was original constructed in 1946. The boiler system, piping, radiators, and heaters all appear original to the buildings construction. The system is abandoned. An electric heater installed in the storage area appears to be 20+ years old and is abandoned. The building is now used as unheated storage and currently there is no ventilation in this building.

The incinerators still remain in the building and have been abandoned.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Storage Garage Ventilation			**H1**	
Exhaust Ventilation	**D**	$20,000	**H1**	No Ventilation at this time.
Control	**D**	$10,000	**H1**	No Controls at this time.

NOTES:

H1. The building is used for unheated storage of miscellaneous equipment and vehicles. The vehicle storage requires this building to be classified as an enclosed storage garage.

An enclosed garage has specific exhaust code requirements. A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. A garage exhaust fan project to install exhaust fans is recommended. To minimize fan energy and installed cost, it is recommended to install a small fan to operate continuously and a larger fan, interlocked to the lights, that will operate when the building is occupied (lights are on.)



Steam Heater



Electric Heater



Typical Radiator



Boiler



Typical Steam Piping



Steam Heater

ELECTRICAL SYSTEMS

Summary

The building is served by a 100 Amp, 120/240 Volt, single phase electrical service. The present equipment was installed to replace the original service equipment – which remains abandoned in place on the east wall. There is an abandoned chest freezer occupying the working clearance space in front of the electrical equipment.

Receptacles are not GFCI protected.

Lighting fixtures utilize T12 lamps and presumably magnetic ballasts. Many lighting fixtures do not work. Exit signs are not working.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	N/A	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Disconnect	**C**		E1	Adequate
Branch Panels	**C**		E1	Adequate
Emergency Power Distribution Equipment				
Branch Panels	**N/A**			There are no emergency branch panels
Lighting				
Interior	**F**	**$4,000**	E1,E2, E3	Adequate unless building's use intensifies
Exterior	**F**	**$900**	E3	Consider replacing HID lamped lighting fixtures with LED sourced fixtures
Power				
Receptacles	**HP**	**$750**		Replace non-GFCI receptacles with GFCI type

NOTES:

E1. The existing electrical equipment is adequate for the building's use as storage with short term occupancy by City personnel. Working clearance to the equipment should be maintained to comply with code.

E2. T12 lamps are no longer manufactured and will become difficult to acquire once supplier's stocks are depleted.

E3. Consider replacing fixtures with more energy efficient LED sourced fixtures.



Service Equipment

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EVALUATION

OF

CITY-OWNED FACILITITES

POLICE STATION

August, 2015

POLICE DEPARTMENT

SUMMARY

Date of Visit: June 18, 2015
Address: 307 South Adams Street

Building Description

The Police Station consists of a vehicle maintenance and repair garage adjacent to the 3-floor (basement, 1st and 2nd floors) office building. Vestibule entrances at the northwest and southwest corners are single-story. The building is clad in a combination of brick and cast concrete panels.

The basement still exhibits many finishes that date from its 1968 original construction. It houses locker rooms, mechanical spaces, evidence storage, forensics and shooting range.

First floor includes public entry lobby with accessible restroom, staff entry vestibules, a lunch room with vending, open office space at the building center, smaller offices at the perimeter, and a suite of interview rooms. A portion of the attached garage houses the garage office, supplies, and SWAT team storage with mezzanine. The garage itself has drive-through access for vehicles at its center, space for multiple vehicles to be serviced, a bike and equipment storage area, and a concrete block room for gasoline and oil storage.

The second floor of the police station was added to the original building in 1992. In addition to more office space, it contains a training center, small break room, and access to the mezzanine space over the west third of the garage. The mezzanine contains personal storage, mechanical spaces, and the upper mezzanine area of the SWAT team storage room.

Code/Accessibility

The office area of the building is Business occupancy; the garage is a separated S-1 Storage occupancy, with an incidental use room of H-2 Hazardous. Although current code requires a 3 hour separation for non-sprinklered buildings between the H-2 hazardous room and adjacent occupancies, there is no requirement for separation between Business and S-1. ***Due to the location of the unenclosed generator in the repair garage, and its proximity to the hazardous storage room, it is recommended that the 4-hour separation between Business and S-1 Storage be maintained at this time.***

Entry to the building is at grade at the public front entrance, but an accessible visitor parking stall was not provided. Travel within the building is generally accessible. The following accessible features should be provided:

- Shower in Men's room
- Break room counter with sink
- Toilet in basement Men's room
- Cups for accessible drinking (near fountains)
- A first floor accessible staff toilet room

Structural System

The structure consists of steel roof deck and open web steel joist/joist-girders supported by exterior load-bearing masonry walls and interior steel columns, all constructed over the original one-story cast-in-place concrete frame, slabs, beams, basement, load-bearing masonry walls, and shallow foundation system.

Plumbing Systems

The original piping is in fair condition. Glass fiber insulation on the water piping helps to conserve energy, but the insulation is missing in several areas. Insulation from 1969 probably contains asbestos. A thermal mixing valve(s) (TMV) should be added to the hot water systems and hot water temperature adjusted to 110° Fahrenheit. Eyewash in the garage should have a TMV installed.

There is a sanitary pipe installed over the Evidence dryers in the basement. It would be advisable to install a drain trough below the piping to protect the equipment from potential piping leaks.

HVAC Systems

The office area is served by three modular air units located in a second floor mechanical mezzanine above the garage. One air unit is dedicated to each floor of the building. A packaged roof top air unit serves the firing range. A fifth air unit, a roof top air unit, is dedicated to the training room area.

Exhaust ventilation for toilet rooms, janitor closets and other miscellaneous spaces is served by a variety of power roof ventilators and ceiling exhaust fans which vary in age, size, and condition.

The garage ventilation consists of two gas-fired make-up air units and multiple exhaust fans. One make-up air unit does not function and the other is not capable of providing adequate heat or ventilation. The units are time clock operated and there is no gas detection system.

A hot water boiler system installed with the 1992 addition project is located in the second floor mechanical room. A pump motor has been replaced. Hot water is distributed to fin tube radiation, reheat coils, and cabinet heaters throughout the office building.

The controls are primarily pneumatic with a few newer components utilizing low voltage DDC controls. An air compressor is located in the second floor mechanical room.

Electrical Systems

The building is served by a 1600 Amp, 120/208 Volt, three-phase electrical service. The original panels are in fair condition; the panels added in the 1992 renovation are in good condition. The panels have capacity for future load. The emergency generator serving the building is in fair condition. An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads. Storage is currently blocking the code required 3-feet for electrical clearance for Panel C.

There are numerous outlets around the building that need to be GFCI protected. Lighting fixtures are in fair to good condition. There are several fixtures with broken or missing lenses. These should be replaced or repaired. The facility should install occupancy sensors in all offices, meeting rooms, break room, storage rooms and janitor's closets. Consideration should be given to replacing the exterior HID fixtures with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition and the facility is pulling Cat 5 and Cat 6 data and voice cabling from data racks on each floor and coax for CATV. The fire alarm system is a zoned system with smoke detectors, pull stations, and notification devices located around the building. Coverage does not comply with current code, a new addressable fire alarm system upgrade is recommended with additional devices provided to meet code.

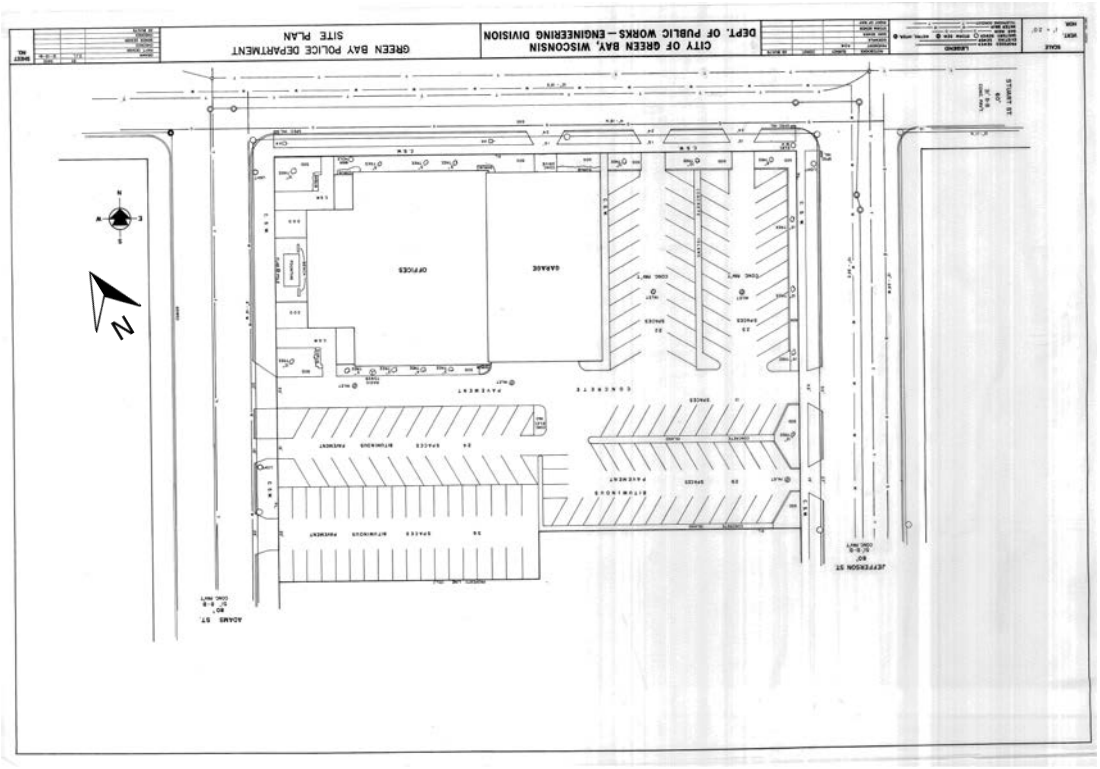
Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

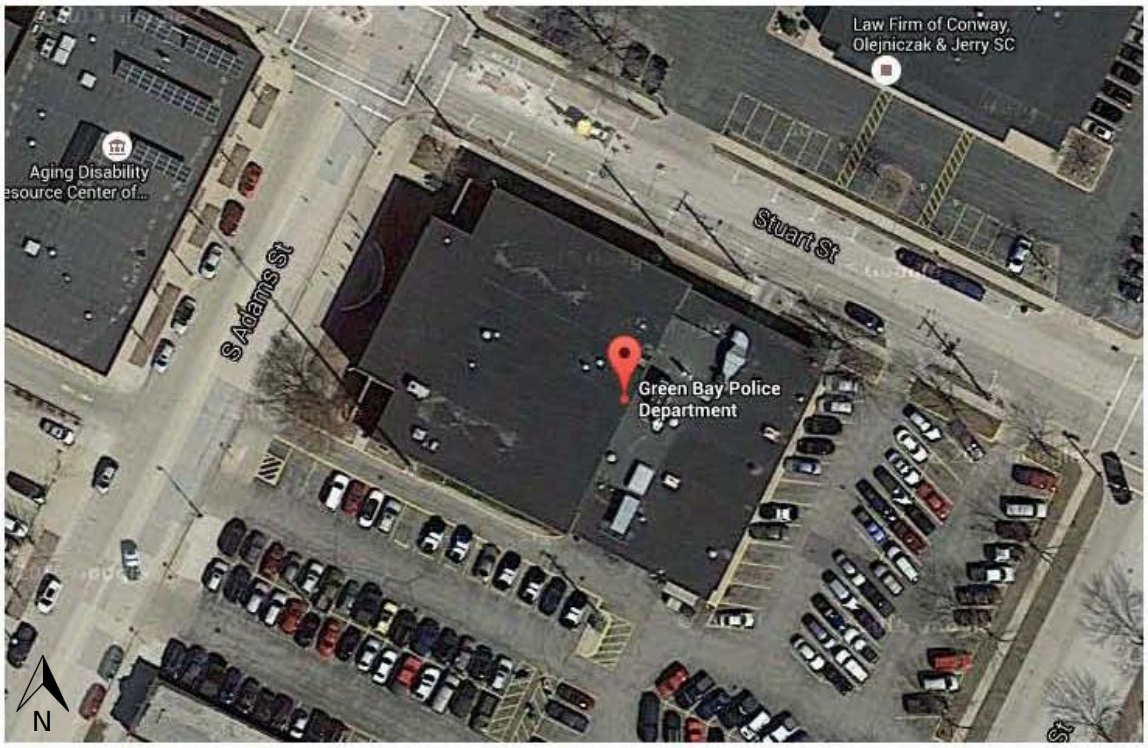
SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural			New EPDM roof	$350,000
			Floors	See Report
			Casework	See Report
			Doors	$7,200
Architectural Subtotal				$357,200
Code/ADA			Showers	$8,000
			Doors	See Report
			Sinks/Lavatories	$6,000
			Toilets/Urinals	$4,000
			Grab bars	$300
			1st floor accessible toilet room	$10,000
Code Subtotal				$28,300
Structural				NA
Fire Protection				NA
Plumbing	Thermal Mixing Valve (TMV)			$8,000
	Backflow Prevention			$5,000
Plumbing Subtotal				$13,000
HVAC Systems			Housing	$225,000
			Insulation	$2,000
			Occupied Space Thermal Comfort	$120,000
			Pumps	$2,000
		Insulation		$1,000
	Housing			$1,000
	Condensing Units			$1,000
			Exhaust Ductwork	$12,000

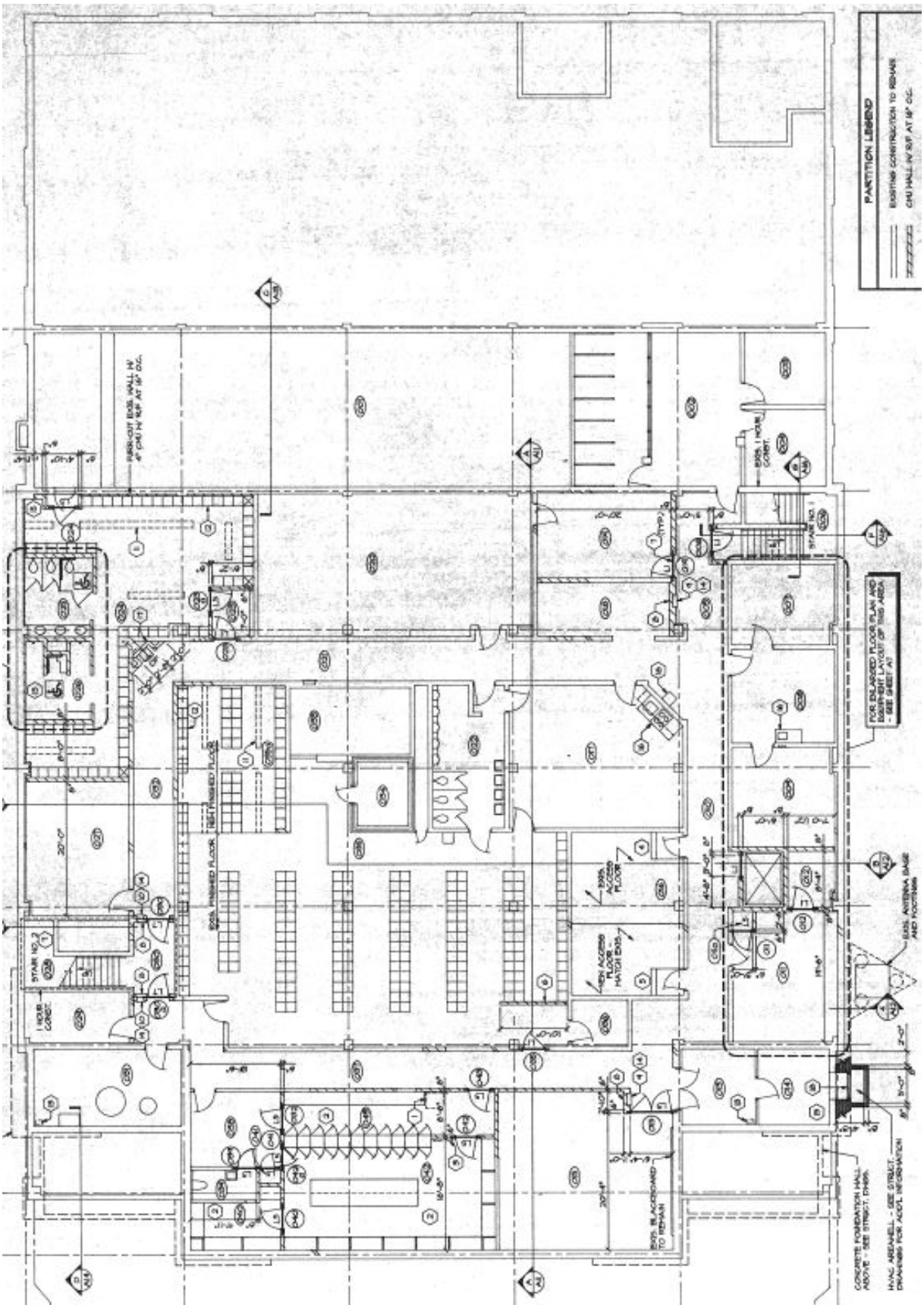
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
			Boilers	**$85,000**
			Pumps	**$10,000**
			Room Terminal Units	**$10,000**
	Mechanical Room Ventilation			**$2,000**
	Make-up Air Unit			**$110,000**
	Exhaust			**$30,000**
	Control			**$10,000**
HVAC Subtotal				**$421,000**
Electrical			Transfer Switch	**$20,000**
			Main Distribution Panel	**$7,000**
			Branch Panel	**$20,000**
	Receptacles			**$1,000**
			Offices, Conference Rooms, Break Room	**$5,000**
			Toilet Rooms/ Small Storage Rooms	**$1,000**
			Fire Alarm System	**$30,000**
Electrical Subtotal				**$84,000**
Building Total				**$1,103,500**



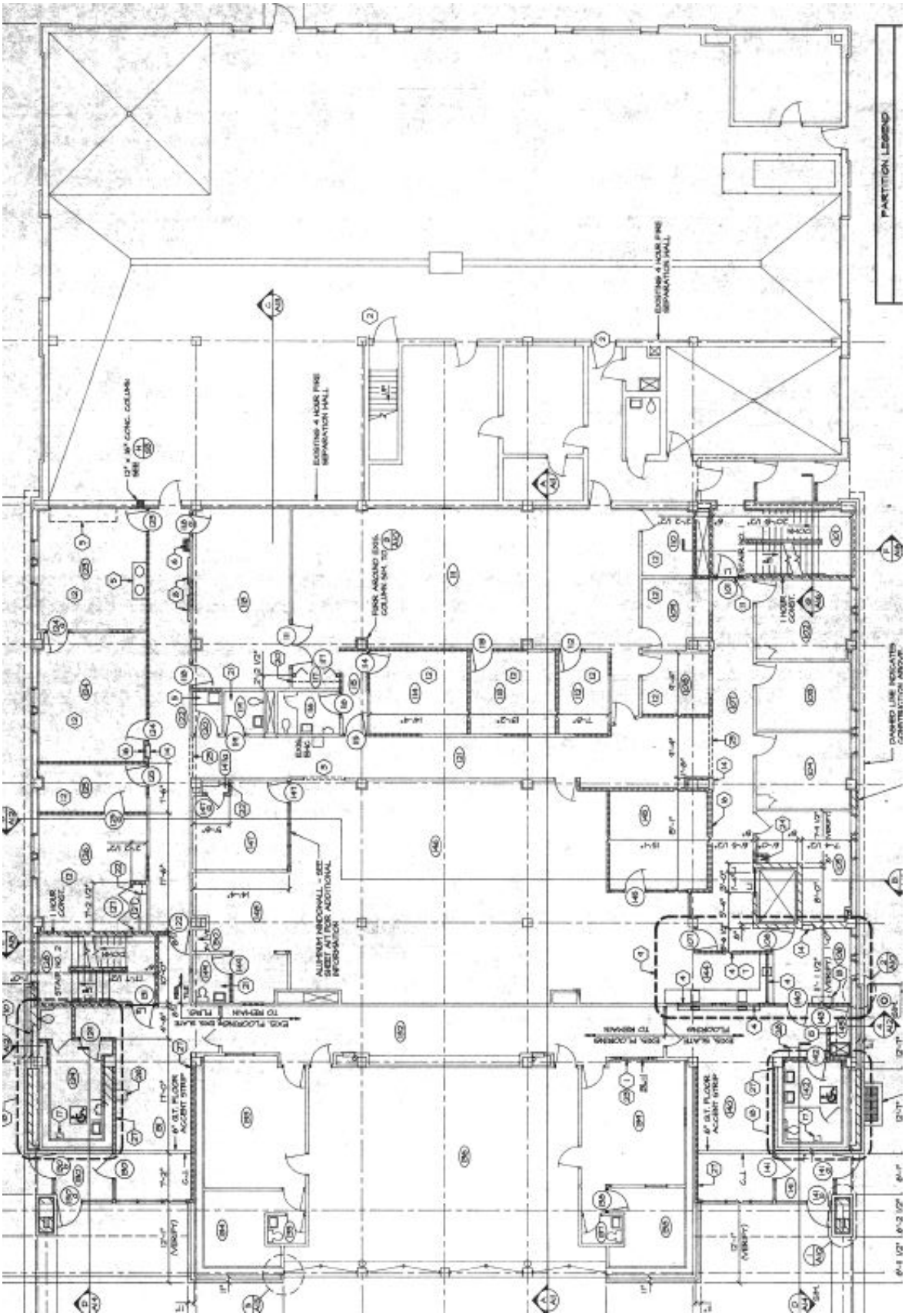
Site Plan



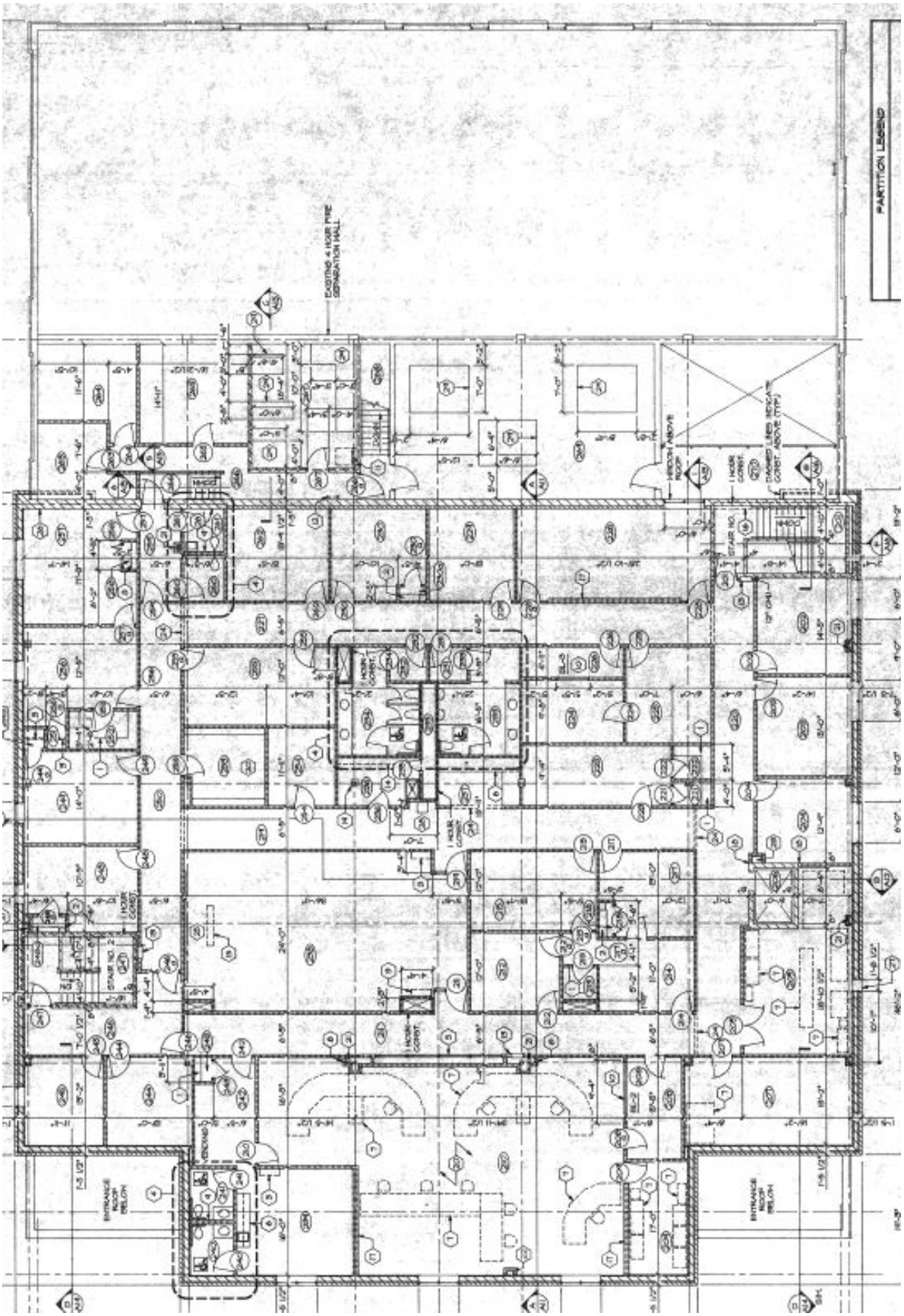
Aerial View of Site


PARTITION LEGEND
EXISTING CONSTRUCTION TO REMAIN
CMU WALL (N) 16'0" AT 16" O.C.
FOR ENLARGED FLOOR PLAN AND SECTIONAL LAYOUT OF THIS AREA - SEE SHEET A1.1
STAIR NO. 1
STAIR NO. 2
1 HOUR CONST.
RAISED FLOOR
ACCESS FLOOR
HATCH ENT.
ANTENNA BASE AND FOOTINGS
BLACKBOARD TO REMAIN
CONCRETE FOUNDATION WALL ABOVE - SEE STRUCT. DWGS.
HVAC ARRANGEMENT - SEE STRUCT. DRAWINGS FOR ADDTL INFORMATION

Basement



First Floor



Second Floor

ARCHITECTURAL

Building Description

The Police Station consists of a vehicle maintenance and repair garage adjacent to the 3-floor (basement, 1st and 2nd floors) office building. Vestibule entrances at the northwest and southwest corners are single-story. The building is clad in a combination of brick and cast concrete panels. Power-operated coiling metal shutters are housed above each window opening on the building exterior. Vestibule entrances and other doors do not have coiling shutters. A horizontal canopy extends to cover a service entrance and area at the east side of the building.

Originally built in 1969 (original plans not available), the basement still exhibits many original finishes. It houses locker rooms, mechanical spaces, evidence storage, forensics and shooting range. Several corridors have older casework installed for additional storage space.

First floor includes public entry lobby with accessible restroom, staff entry vestibules, a lunch room with vending, open office space at the building center, smaller offices at the perimeter, and a suite of interview rooms. A portion of the attached garage houses the garage office, supplies, and SWAT team storage with mezzanine. The garage itself has drive-through access for vehicles at its center, space for multiple vehicles to be serviced, a bike and equipment storage area, and a concrete block room for gasoline and oil storage. (See code assessment for additional information.)

The second floor of the police station was added to the original building in 1992. In addition to more office space, it contains a training center, small break room, and access to the mezzanine space over the west third of the garage. The mezzanine contains personal storage, mechanical spaces, and the upper mezzanine area of the SWAT team storage room.

Building Envelope

Exterior Walls

Exterior wall is comprised of beveled edge cast stone panels, face brick and metal trim. The cast stone panels, added with the 1992 addition are the exterior wythe of the a 15" wide cavity wall. The backup wall is an 8 inch concrete block. The inside face typically includes 2" cellular insulation, thermal studs and ½" gypsum board.
The original building is built of 12" masonry walls, 4" modular face brick and 8" concrete block back-up.
The garage and maintenance shop, to the east, is built of 12" wide masonry walls, 4" modular face brick and 8" concrete block back up. The upper portion exposes the ends of the precast beams.

A bay of the north wall of the garage is showing signs of movement and moisture penetration. The face brick shows significant cracking, moisture drive and efflorescence. The expansion joint filler, where the garage meets the second floor addition, had been scraped out and exposed the insulation.

There is a flat concrete slab overhang at the refueling station on the southeast corner of the garage. Spalling and chipping is prevalent at the outermost corner. This appears to be aesthetic only.

Sealant joints throughout are showing their age and need to be maintained.

Windows

The majority of the windows are a dark-bronze anodized, fixed, aluminum system with insulated glass and appear in good working condition. The clear anodized aluminum operable windows in the garage portion appear original to the building and are showing their age. The windows on the foremost west elevation include security closers on switched operators. The security gates were not tested as a part of this building evaluation.

The overhead sectional door on the north elevations of the garage/maintenance portion of the building are five-panel, three-light variety. The two overhead sectional doors to the south are both (7) panel and have no lights. All three doors appear in good operating condition.

Roof

The roofing portion of the building envelope can be divided into five areas, separated by differing elevations. The five areas, the entry, the breakroom, the office space, the mechanical room and the garage are all various aged fully-adhered EPDM membrane systems. Multiple penetrations, both prior to the roofing and patched in after installation were noted.

A concrete canopy at the loading dock is damaged, but not of a structural concern.

With the exception of the mechanical room roof, which has seen a considerable amount of modification since its installation circa 2008, the various roof areas are beyond their anticipated lifespan. Tenting, wrinkled surface and splitting seams were observed. Signs of ponding prevalent and inconsistent with drain locations.

Interior Finishes

Floors

Stairwells have the original quarry tile treads and risers. The basement rooms have concrete, composite tile, and worn and stained carpet. Toilet and shower rooms on all floors have ceramic mosaic tile, typically 1" squares. The locker rooms have 2" ceramic mosaic tile. A data room in the basement has an access floor which is raised approximately 10 ½" above the concrete floor.

First floor includes slightly better condition carpet and sheet vinyl areas. Entrance lobbies have slate tiles, which were at one time waxed. The vending area of the 1st floor lunch room has 1" ceramic mosaic, with a small patch area of 2" ceramic mosaic. Second floor is primarily carpet in occupied areas, with composite tile at lunch room and storage rooms. The training room has been remodeled more recently, and still has carpet in good condition.

Walls

Many basement and stair areas have glazed ceramic tile wainscots of approximately 4'-0" height. Toilet rooms throughout the building also have tile wainscots. Most are in fair condition; one toilet room's wainscot has been painted over with a durable finish product. Shower rooms have full height tile walls.

Most basement walls are painted concrete block. First and second floor walls are primarily gypsum board on metal studs.

Doors

Doors to mechanical rooms and the garage are hollow metal, most likely insulated at garage connection. Other interior doors are flush wood, with lights in the doors of offices.

Ceilings

Throughout the building, many of the 2' x 2' lay-in acoustic panel is showing age and sagging slightly at the center. The Men's Locker room in the basement has a washable 2' x 2' lay-in panel. The second floor training center has an acoustic finish panel installed at the time of the room's most recent remodeling.

Casework

Casework throughout the building is in fair to poor condition. The casework falls into three general categories:

- Old wood cases with plastic laminate tops: cases are in fair condition. Tops are fair, but may have chips or be separating from the substrate.
- Older plastic laminate tops and cases; both portions tend to be chipped or separating from substrate in many locations.
- Newer wood or plastic laminate cases with plastic laminate tops; in generally good condition.

Older wood casework is still in use both in storage rooms and where it has been apparently relocated to corridors when newer plastic laminate pieces were installed. All toilet rooms have plastic laminate counters.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	HP	$350,000	A5	Based on $15 per sq. ft.
Exterior Facade Condition	F		A1	
Exterior Door Condition	F			
Window Condition	C			
Interiors				
Floors	HP		A2	See note for SF budget costs
Walls	F			Tile wainscot is dated in color, but serviceable.
Doors	F / HP	$7,200	A3	Verify number of doors. See note.
Ceilings	F			
Casework	HP		A4	

NOTES:

A1. Repair required at north side of intersection of the garage and office.

A2. Flooring most in need of attention is carpeting. This could be replaced on a room-by-room basis. All existing carpet except that in the training room is broadloom. Recommend replacing with carpet tile to facilitate future replacement of damaged or stained areas. Budget $1/SF for existing carpet removal, and $40/SF for new carpet tile installation.

A3. Original wood doors in the basement which do not have kick plates are damaged and in poor condition. Recommend door replacement, and installation of minimum 12" high kick plates. Verify number and locations of doors with owner. For purposes of this report, assuming replacement of 6 doors and hardware at $1,200 per door.

A4. Updates to older casework could provide better functionality for staff. Repairs recommended where laminate is missing or separated to maintain counter's integrity and serviceable life.

A5. Recommend new EPDM roof.



West Elevation



North Elevation



South Elevation



South Elevation at Garage Entry



East Elevation



Bay of North Wall at Garage



Newer Wood Casework with Laminate Top



Older Wood Casework with Laminate Top



Unfinished End at Laminate Top



Condition of Composite Tile



Floor and Wall Finishes at Bathroom



Multiple Floorings at Lunch Room



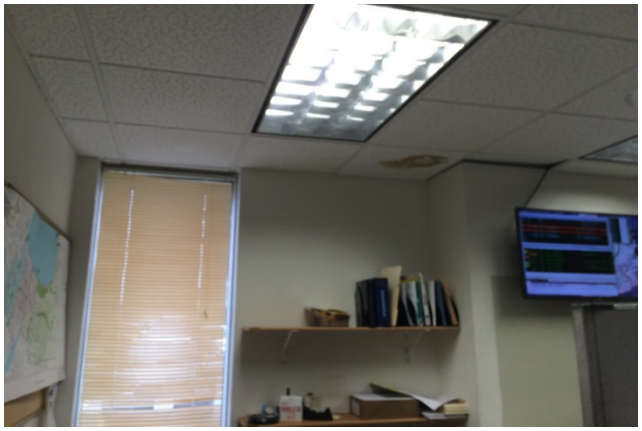
Stair Finishes



Basement Corridor Finishes



Damaged/Missing Ceiling Tile (Basement)



Stained Ceiling Tile (1st Floor Office)



Damaged Exterior Canopy



Damaged Door Surface



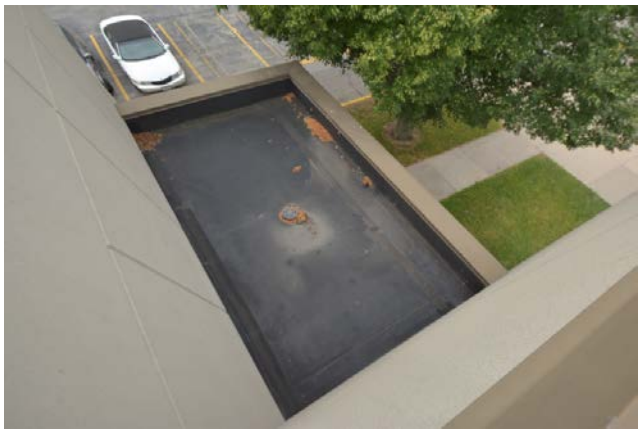
Worn Door Finish



Wrinkled and Patched EPDM



Ponding Evidence



Debris at Drain



Various Roof Levels

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1968 (original documents not available)	**Gross Areas:**	Basement: 13,952 SF 1st Floor: 14,592 SF 2nd Floor: 13,952 SF Garage: 8,646 SF (includes garage office) Mezz of garage: 1,872 SF
Occupancy Classification *(Chapter 3 of IBC)*	Separated occupancies: B - Business and S-1 Moderate-hazard Storage with an incidental use room of H-2 Hazardous (gas and oil storage) (See discussion below)		
Construction Type *(Chapter 6 IBC)*	The class of construction in the code at the time would have been 5B, Exterior Masonry, Unprotected. The building materials and ratings of structural items in that classification would be equivalent **to Type II-B** in the 2009 IBC.		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

Occupancy

The Building Code for the State of Wisconsin at the time would have placed the office portion of this building in Chapter 54 Factory, Office, Mercantile occupancy. The vehicle repair garage would have been reviewed under Chapter 59 Hazardous Occupancies. Current code would have a similar split occupancy. The office portion would be B-Business occupancy. The vehicle repair garage would be S-1 Moderate Hazard Storage, with the gas and oil storage room considered an incidental use, and H-2 Hazardous occupancy.

Egress and Safety

The wall separating the office from garage occupancies appears to be a 4-hour rated wall. A fire door label on at least one of the doors to the space indicates a 3 hour rating, which would be consistent with the requirements for opening protection in a 4-hour wall. Although current code requires a 3 hour separation for non-sprinklered buildings between the H-2 hazardous room and adjacent occupancies, there is no requirement for separation between Business and S-1.

The generator is currently housed behind chain link fence within the repair garage. It is presumed to be grandfathered in as compliant with the code at the time it was installed. If the generator were to be replaced, it would have to comply with current code, which required it to be housed in a separate, 2-hour rated room. Codes should be verified at that time if its current location is maintained, in order to verify that legal egress is provided to both the generator room and the hazardous storage room.

Due to the location of the unenclosed generator in the repair garage, and its proximity to the hazardous storage room, it is recommended that the 4-hour separation between Business and S-1 Storage be maintained at this time.

Two legal means of egress are provided from all areas of the building. An elevator provides access to floors other than the entry level.

Some corridors are reduced in width by the placement of casework in the corridor for additional storage. These areas appear to all provide minimum width for an accessible route. One room, a secure evidence storage room in the basement, had an access route from an adjacent room that did not meet accessible width requirements. That room was provided with an additional egress-only door, so presumably it could be opened for access if necessary.

Several locations in the building have coded security systems to gain access. No situations were observed where an occupant would have to enter a security code to egress, thus these arrangements are code-compliant.

Stair Shafts
There are two stair shafts on opposite ends of the office building and an additional stair from the garage to the garage mezzanine. Fire rating labels of ¾ hour were observed on most of the doors and frames to the stair shafts, indicating a 1-hour rated shaft. Some of the frame labels were painted over, but evident.

Handrails and Guardrails
Hand rails at stairs are typically between 32" and 33 ½" above the treads. This is below the current minimum requirement of 34", but allowable because it is presumed to have complied at the time of construction. Handrail extensions appear to comply with current codes in most of the Business occupancy area. Those in service areas do not comply, but are grandfathered in as acceptable.

Summary of Accessibility/ADA Compliance

While code issues can be grandfathered into compliance, accessibility issues are a combination of building code and federal law. Employers and public buildings are required to comply, regardless of original date of construction.

Accessible Route
Entry to the building is at grade at the public front entrance, but an accessible visitor parking stall was not provided.

Travel within the building is generally accessible. There is one connection between evidence storage rooms in the basement which does not comply, but this is only accessed by a limited number of employees.

A piece of storage furniture is partially obstructing maneuvering clearance into the Women's room on 2nd Floor.

Doors
The building has a combination of push/pull hardware and knob handles. Knobs are not accessible, and not as easy/fast to use as lever handles. Secure locking devices are located above the forward or side reach accessible height of 48".

At least one door (Men's locker room) has a thumb-turn latch surface mounted over 48" above floor. The latch was difficult to operate, and is higher than accessible reach range. It is recommended that the door be modified to provide latching by an alternate method, if that is a feature the owner requires for this door.

The doors to the two saunas in the basement locker rooms are not accessible width. In some instances in the basement, column placement forces the doors into locations that do not have required maneuvering clearances.

Plumbing Fixtures
Sinks in casework/counters throughout the building (break room, lunch room, etc.) are at 36" height, which is above the 34" maximum required for accessibility. Most lavatories in the building are at or below 34", and most provide adequate knee clearance as well. The lavatories in the Women's locker room are at 34 ¾" rim height.

The height of toilet seats in the building ranges from 15 ½" to 16 ½", which is below the acceptable range of 17" to 19". An exception is the toilet at the front public lobby, which is at 17". Urinals are either floor mounted, or multiple heights are provided in one room. Both situations comply with accessibility requirements.

Drinking fountain spout heights vary from 34 ½" to 39" height through the building. ADA calls for 36" maximum spout height (with required approach clearances) for seated persons, and 38" to 43" for standing persons. All of the drinking fountains will comply with one or the other of these standards.

Grab Bars

Typical grab bar configuration at toilet stalls in the building is a single connected bar that extends in an L-shape along the back and side walls of the toilet. Some of these provide the required extension length at both back and side. The Women's locker room provides an accessible shower stall, the Men's does not. The following are some of the situations in which grab bars or fixtures are in non-compliance:

- Men's locker room does not provide an accessible toilet.
- Men's locker room does not provide an accessible shower.
- 1st Floor staff toilet rooms do not provide grab bars.
- 1st Floor Men's staff toilet does not provide accessible turning radius in the room.
- 2 of the 6 toilet rooms on 2nd Floor do not provide grab bars.
- Other 2nd Floor toilet rooms do not provide grab bars of adequate length at back or sides. Some rooms do not have adequate space to provide compliant grab bars.

The 2009 IBC references ICC/ANSI A117.1-2003, which calls for an additional vertical grab bar at the sides of toilets which the ADA guidelines do not include. As this is a code issue, not an ADA compliance issue, the toilet rooms would not be required to have these if they were compliant at the time of their construction.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Code Issues				
Egress and Safety	C			Maintain separation between garage and office functions
Stair Shafts	C			
Handrails/Guardrails	C			
Accessibility Issues				
Accessible Route	F	$0	CA1	
Accessible Parking Stall	F		CA2	
Doors	C HP		CA3	New hardware could range from $300 to $1,000 per door
Showers	F HP	$8,000	CA6	Accessible shower in Men's Locker Room
Sinks/Lavatories	HP	$6,000	CA4	Accessible Break Room counter with sink
Toilets/Urinals	F HP	$4,000	CA5 CA6	Cost for basement Men's room ADA toilet
Drinking Fountains	C			Provide cups for accessible drinking
Grab bars	HP	$300	CA7	
1st floor accessible toilet room	HP	$10,000	CA6	

NOTES:

CA1. Recommend removing/relocating storage shelves at entry to Women's room on 2nd Floor.

CA2. Recommend creating an accessible parking stall in the adjacent surface parking lot. Budget cost to stripe stall and install signage.

CA3. Recommend replacing knobs and other non-compliant hardware on an incremental basis. Lever handles would comply with accessibility codes and facilitate ease of use. Lever handles are code requirement for any new or renovated work.

CA4. Recommend creating an accessible height counter/casework with sink at one of the break areas. Cost for 8 lineal feet of lower casework with re-used sink.

CA5. Lifts can be retrofitted onto low height toilets to bring them into compliance. Since heights are close to compliance, recommendation is to replace at compliant height as fixtures are updated.

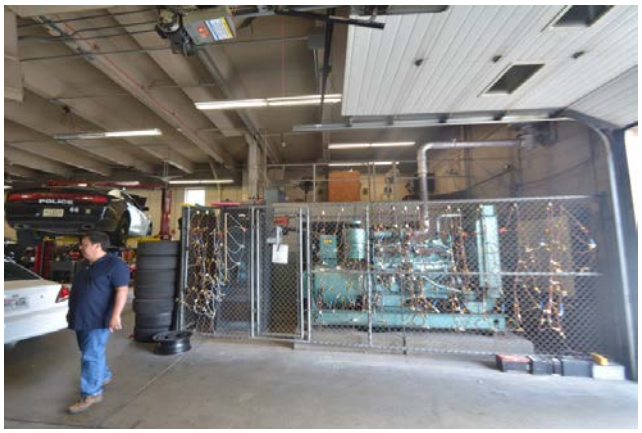
CA6. As any employee could be temporarily injured and in need of accessibility accommodations, the following upgrades are recommended for consideration:

- An accessible toilet in the basement Men's room.
- An accessible shower in the Men's locker room.
- Modify one of the 1st floor staff toilet rooms to be unisex accessible.

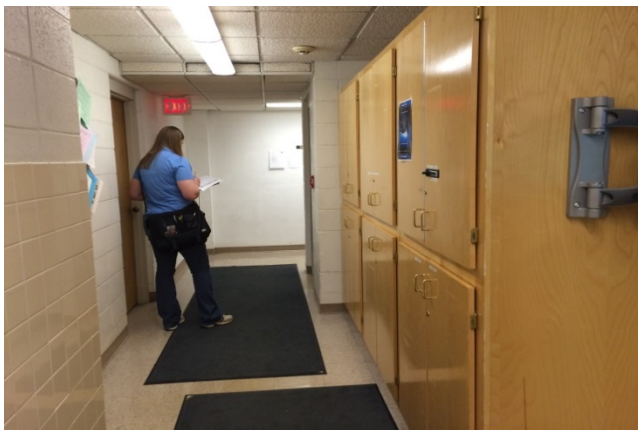
CA7. Provide grab bars at single user toilet room near garage and interview rooms to establish an accessible toilet room for non-office staff.



At-grade Entry, No Accessible Parking Space



Generator in Repair Garage



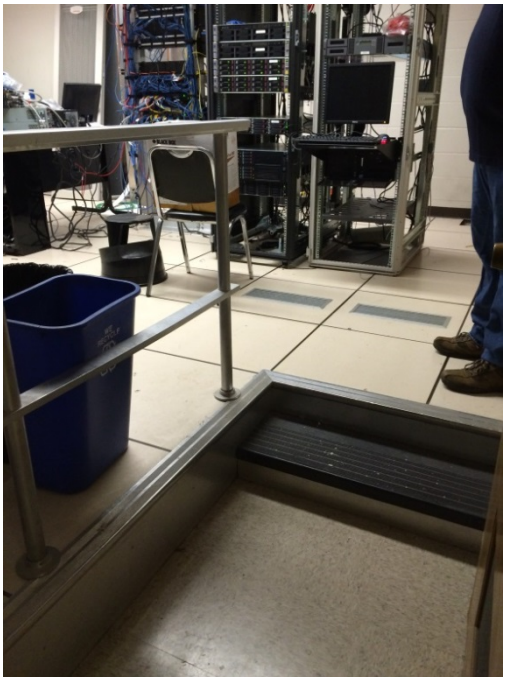
Storage Cabinets in Corridor



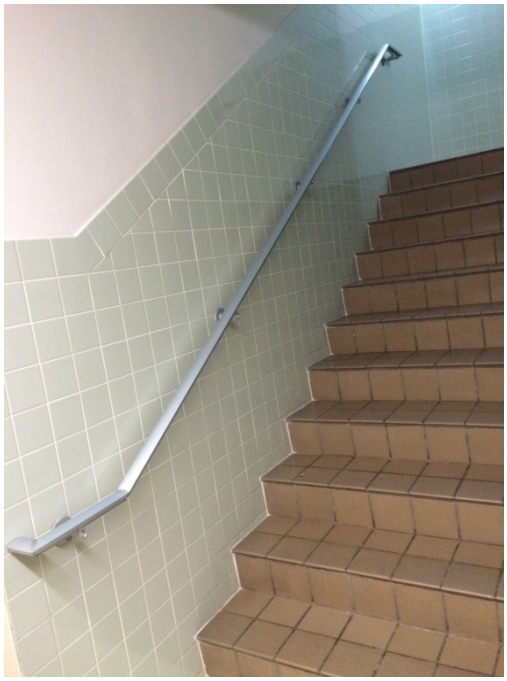
Gas and Oil Storage in Hazardous Storage Room



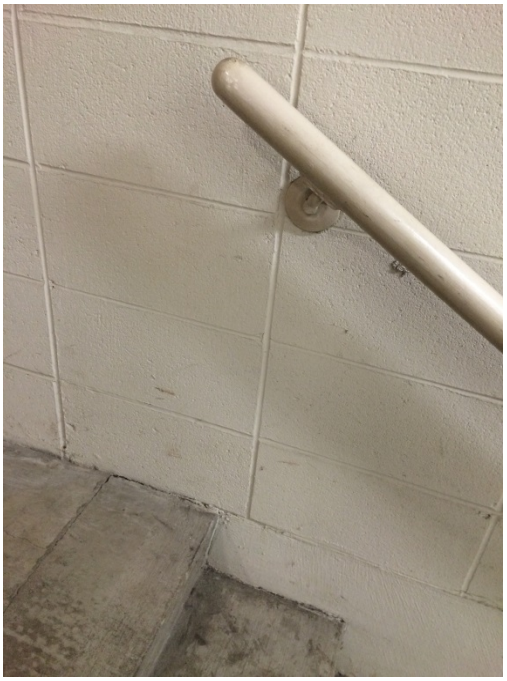
Labeled Fire Doors at Stair Shaft



Non-accessible Data Room Floor



Compliant Handrail Extensions



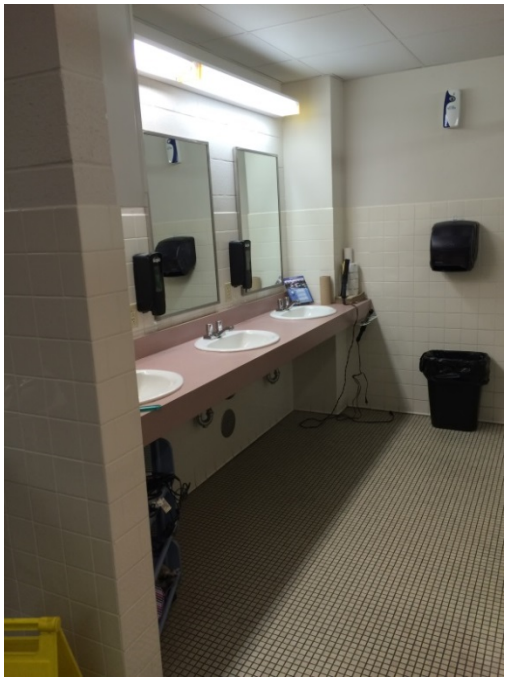
Lack of Handrail Extension



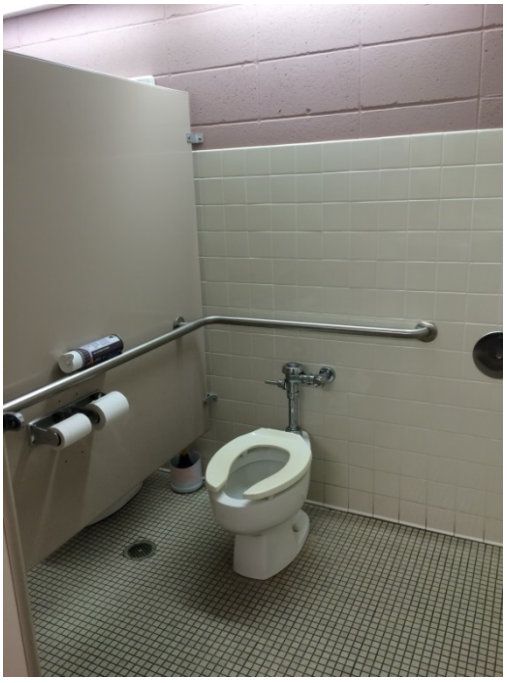
Storage Obstructing Door Maneuvering Clearance



Hardware Mounted Above Accessible Height at Locker Room Entry



Accessible Lavatories



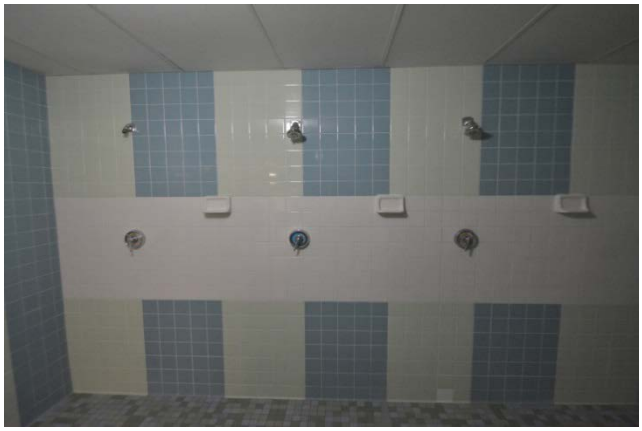
Typical Toilet Grab Bars



Women's Shower – Accessible



Single User Toilet Room



Men's Shower



Single User Non-accessible Toilet Room

STRUCTURAL SYSTEM

Summary

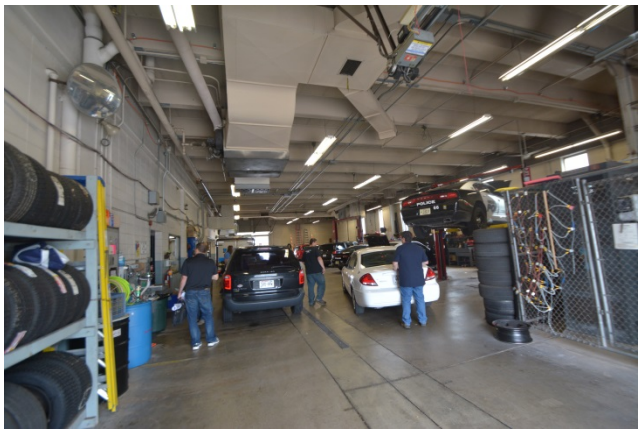
The structure consists of steel roof deck and open web steel joist/joist-girders supported by exterior load-bearing masonry walls and interior steel columns, all constructed over the original one-story cast-in-place concrete frame, slabs, beams, basement, load-bearing masonry walls, and shallow foundation system.

LEGEND

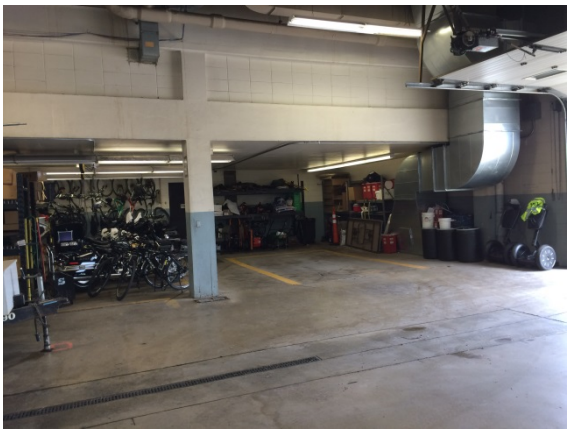
D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1968 Original Building (R.W. Surplice-Job 2564) 1992 Addition (Somerville Assoc. Proj. 3072)
Structure type				
Foundations	C			Cast-in-place concrete foundation/basement walls bearing on individual spread or continuous strip footings.
Basement	C			Concrete slab on grade with wire mesh reinforcing
First Floor	C			10" cast-in-place concrete two-way flat slab with capitals supported on concrete columns and basement walls typical. One bay of 16"+4" concrete joist-slab on west end and one bay of 10" concrete one-way solid slab to the east. Vehicle maintenance garage on the far east end is concrete slab on grade.
Second Floor (original roof)	C			10" cast-in-place concrete two-way flat slab with capitals supported on concrete columns typical. One bay of 16"+4" concrete joist-slab on west end and a garage mezzanine of 10" concrete one-way solid slab to the east.
Roof	C			1. Office - 1 ½" 22 gauge steel roof deck and open web steel joists/joist girders supported by exterior load-bearing masonry walls and interior steel wide flange columns. 2. Vehicle maintenance garage – Light-weight precast concrete decking/keystone joist system supported on load-bearing masonry walls and concrete frame.
Occupancy Category	NA			Occupancy Category IV
Construction Type	NA			Construction Type **II-B** (2 hour beams, columns, floor slabs, 0 hour roof)
Vertical Expandability	NA			None.
Typical Column Spacing	NA			

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.



Roof Structure at Garage Bay



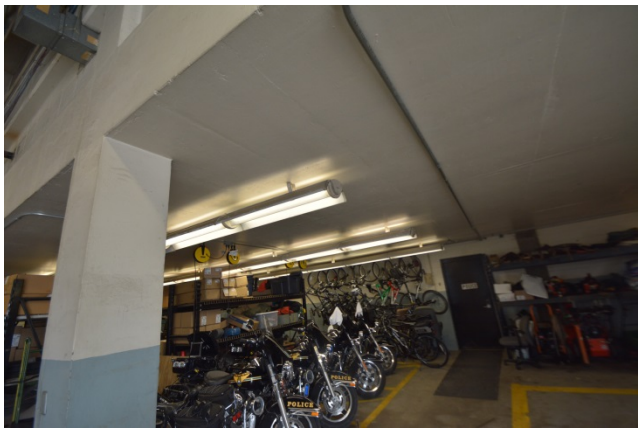
Concrete Column, Typical



Roof Structure at Garage Bay



Roof Bearing at Office/Garage Supporting Wall



2nd Floor Plan Structure as Seen from Garage



Cracked Slab at Garage



Concrete Roof Purlins at Garage



Lintels at Garage Door Openings

PLUMBING SYSTEMS

Summary

Police Department building was constructed in approximately 1969 and remodeled in 1992. The original piping is in fair condition. Glass fiber insulation on the water piping helps to conserve energy, but the insulation is missing in several areas. Insulation from 1969 probably contains asbestos. The building is served by a water heater on 2nd floor. A thermal mixing valve(s) (TMV) should be added to the hot water systems and hot water temperature adjusted to 110° Fahrenheit. Eyewash in the garage should have a TMV installed. Eyewash requires tempered water. These are code issues that should be corrected.

There is a sanitary pipe installed over the Evidence dryers in the basement. It would be advisable to install a drain trough below the piping to protect the equipment from potential piping leaks.

The building has some accessible ADA toilet rooms. Some of the areas would need modifications to make the toilet rooms fully compliable (i.e.: flush valve on the wrong side, install safety covers etc.)

Building is served by interior storm drainage – roof drains. No secondary roof drainage installed. Most of the roof has a spill-off roof edge. Roof over the entrance has a single roof drain, no secondary drainage.
First and second floor plumbing fixtures discharge by gravity. Basement fixture(s) are pumped to grade. Basement has drain tile installed around the perimeter.
Parking lots are served by interior storm drainage (i.e. catch basins)

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	Cast iron, no-hub connection
Storm/Clearwater Piping	F		P3	Pump discharge - galvanized
Valves	F		P4	Ball valve(s)
Domestic Water Service	C		P5	4" water service
Insulation	C		P6	Glass fiber, elastomeric insulation
Code Issues	D	See TMV's	P7	Add TMV at water heater & eyewash
Equipment				
Domestic Water Heater	F		P8	AO Smith, Gas-fired heater
Drench Shower Station	NA			
Recirculation Pump(s)	F		P9	B&G pump
Water Softener	NA			No water softener installed
Thermal Mixing Valve (TMV)	D	$8,000	P10	Add TMV's (code issue)

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Grease Interceptor	NA			No grease interceptor required.
Kitchen Equipment	F		P11	
Plumbing Fixtures	F		P12	
Oxygen Storage	NA			
Backflow Prevention	D	$5,000	P13	Install RPZ backflow preventer
"Shop" Air Compressor	F		P14	Vertical tank
Laundry Equipment	NA			
Drain Tile Sump/Pump	F		P15	Duplex submersible, PVC piping
Sanitary Sump/Pumps	F		P16	Submersible, Cast iron piping
Elevator Sump/Pump	F		P17	Simplex submersible
Maintenance Garage	F		P18	Trench drain, garage catch basin
Exterior				
Storm Drainage, Roof Drainage	F		P19	Roof Drain(s)
Lawn Irrigation	NA			
Utilities	F		P20	

NOTES:

P1. Water piping is mainly copper, soldered joints. Fair condition. Some galvanized piping at the water meter. Some PEX piping also installed. Most of the piping is insulated.

P2. Original sanitary waste/vent is cast iron hub & spigot. 1992 piping is cast iron, no-hub connections. Pump discharge is cast iron. Piping is in fair condition.

P3. Building storm is picked up by interior roof drainage. Downspouts discharge underground to storm sewer. Pump discharge piping for the Clearwater pump(s) is black PVC, glue connections.

P4. Ball valves on the water piping.

P5. Building is served by a 4" water main – combined for fire protection and domestic water. Domestic water is a 2" main (verify) with 3-valve bypass around the meter set.

P6. Water piping is insulated with glass fiber and elastomeric insulation. 1969 insulation probably contains asbestos. Verify. No insulation on the storm piping is causing condensation on the piping and is resulting in ceiling tiles being stained.

P7. Code issues: water temperature is set higher than the allowed 110° Fahrenheit per code. No thermostatic mixing valve (TMV) at the heater. Add TMV per code, and adjust temperature to 110° F.

P8. Water heater is gas fired, AO Smith MasterFit, 365,000 BTU.

P9. Hot water recirculating pump(s) are installed at the water heaters. Building is separated into a west and an east zone, with separate heaters, pumps and HWR piping.

P10. Add TMV to the water heater. Set hot water temperature to 110° Fahrenheit maximum temperature. Code issue.

P11. Kitchen equipment: 2 compartment sink(s). No garbage disposal or dishwasher.

P12. Plumbing fixtures: Most of the fixtures are ADA-compliant. WC's are floor mounted or wall-hung with flush valves. Lavatories are vitreous china set in the countertop and wall-hung, lever handle faucets. No safety covers installed. Urinals are wall-hung with flush valves (regular and ADA height). The 1969 urinals are floor mounted with door activated flushing. Showers are built-up. One ADA shower in the Women's toilet rooms. Group shower in the Men's toilet room. Shower should technically have a master anti-scald TMV installed. Single unit Elkay electric water cooler(s) installed throughout the building-heights vary. Kitchen/breakroom sink(s) are stainless steel double compartment-no garbage disposal. Garage has several cold water service faucets with hose thread vacuum breaker connections. Non-freeze sill faucets installed on the perimeter of the building. Basement sink by the gun range is a recent installation. Waste is pumped overhead by a small pump basin unit on the floor.

P13. There is a Watts 9D inline backflow in the boiler room for the HVAC boilers. Boiler feed should be an RPZ backflow preventer. Faucets with hose connection ends have a threaded hose end vacuum breaker installed.

P14. Vertical tank, "shop" air compressor installed in the garage.

P15. Drain tile/clear water pumps are duplex submersible 1 1/2" discharge. Pumps serve the building drain tile system around the basement. High water alarm could be installed.

P16. Sewage pumps are submersible 3" discharge. Pumps serve the basement toilet rooms and floor drains. High water alarm could be installed.

P17. Elevator pump is simplex, submersible. Located in closet adjacent to the elevator. High water alarm could be installed.

P18. Maintenance garage has trench drain(s) and catch basins installed. No evident oil separators installed.

P19. Building roof pitches to interior roof drain(s), served by 4" piping. "Secondary" roof drainage is the spill-off roof edge. Canopy roof over the entrance has (1) interior roof drain and no secondary scupper relief drainage. Parking lots are picked up by interior storm catch basins.

P20. Utilities are routed from Adams and/or Stuart Street. Building is served from a 4" water main (combined fire protection and domestic feeds). Multiple 4" sanitary and storm sewers serve the building.



Water & Sanitary Piping



Water & Sanitary Piping



Water, Sanitary & Storm Piping



Sanitary Piping



Water & Sanitary Piping



Water Piping



Sanitary Piping – Over Evidence Dryers



Water Meter



Water Heater



HWR Recirculation Pump



Breakroom Sink



Breakroom Sink Piping



Breakroom Sink



Men's Toilet Room



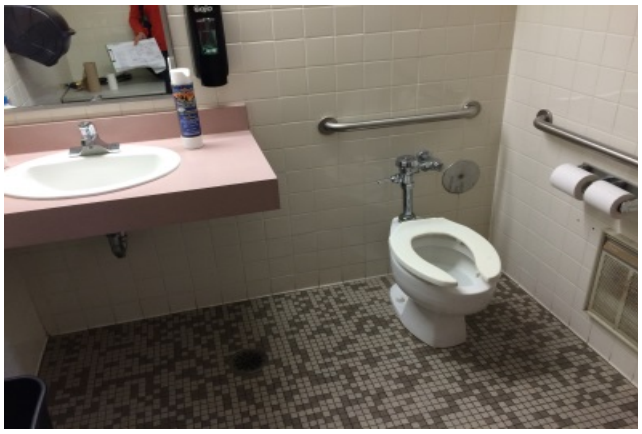
Lavatory – Men's



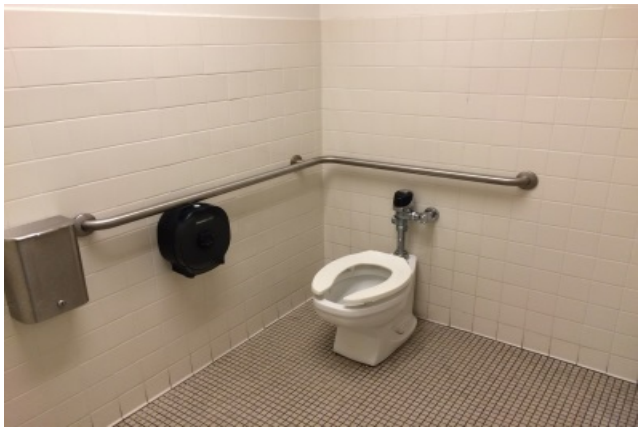
Women's Toilet Room



Single Toilet Room



Single Toilet Room



WC – Toilet Room (Battery Sensor)



Lavatory – Sensor Faucet



Men's Toilet Room – Urinals



Men's Toilet Room Lavatories



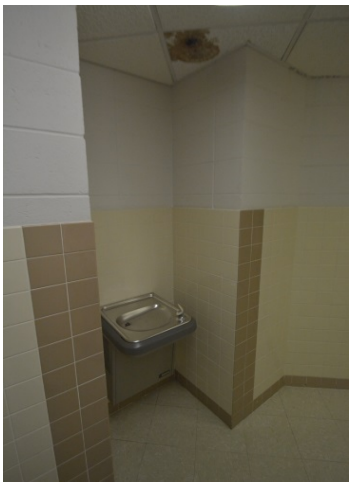
Women's ADA Shower



Men's Shower Room



Sink in Gun Range



Electric Water Cooler



Electric Water Cooler



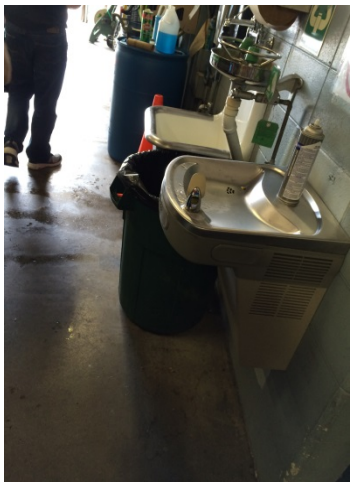
Electric Water Cooler



Janitor's Closet



"Evidence" Sink



Sink, EWC & Eyewash in Garage



"Shop" Air Compressor



Sump, Duplex pumps



Elevator Sump/Pump



Sanitary Sump/pump



Sill Faucet, Roof Drain



Non-freeze Sill Faucet



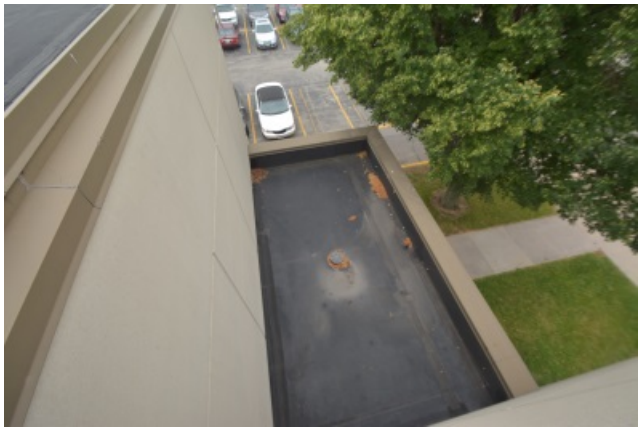
Garage Trench Drain



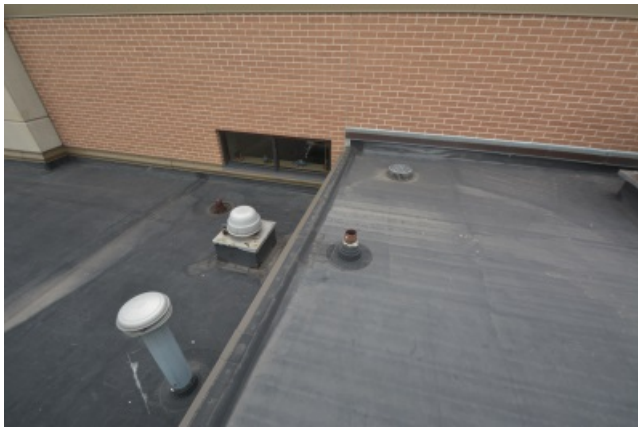
Garage Catch Basin



Garage Catch Basin - Vent



Roof Over Entrance



Roof Drain(s) and Sanitary Vent



Parking Lot Catch Basin

HVAC SYSTEMS

Summary

The building was constructed in 1969 and underwent a major addition and remodeling project in 1992. Some minor office renovations and ventilation upgrade projects have been completed in recent years.

The office area is served by three modular air units, installed during the 1992 project. The units are located in a second floor mechanical mezzanine above the garage. One air unit is dedicated to each floor of the building. A fourth unit located in the mechanical mezzanine originally served the firing range and is abandoned, replaced in 2010 with a packaged roof top air unit. A fifth air unit, a roof top air unit, is dedicated to the training room area.

The three main air units are variable air volume type, with hot water and chilled water coils. The building, in general, utilizes plenum return air spaces above the ceiling. There are a few areas where the returns are ducted. The ceilings are discolored near the air unit return openings due to dust build-up which indicates air movement through the ceiling tile. The chiller system serving the air units was replaced in 2011.

Exhaust ventilation for toilet rooms, janitor closets and other miscellaneous spaces is served by a variety of power roof ventilators and ceiling exhaust fans. The fans vary in age, size, and condition as they have been installed and replaced during the various remodeling projects.

The garage ventilation consists of two gas-fired make-up air units and multiple exhaust fans. One make-up air unit does not function and the other is not capable of providing adequate heat or ventilation. The units are time clock operated and there is no gas detection system.

A hot water boiler system is located in the second floor mechanical room and is original to the 1992 project. A pump motor has been replaced. Hot water is distributed to fin tube radiation, reheat coils, and cabinet heaters throughout the office building.

The controls are primarily pneumatic with a few newer components utilizing low voltage DDC controls. An air compressor is located in the second floor mechanical room.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air Unit-(3) units serving office area.			**H1**	Installed 1992.
Housing	**HP**	$225,000	**H1**	Showing signs of 23 years of operation. Minor rust.
Air intake	**C**			Roof hood
Coils	**C**			Hot water, Chilled water.
Fan	**C**			(2) 10,000 CFM-10HP, (1) 8,000 CFM-7.5HP
Filters	**C**			
Controls	**C**			Pneumatic actuators. Facility replacing with low voltage DDC.
Ductwork	**F**			Original except where replaced during projects.
Insulation	**HP**	$2,000	**H1**	Duct liner. Most piping insulation is in fair condition. Poor at AHU control valves. Outside air duct insulation starting to fail.
Occupied Space Thermal Comfort	**HP**	$120,000	**H1**	AHU discharge temperature set at 60 degrees. Some VAV zones do not have reheat coils. VAV units are up to 23 years old-poor modulation. Boiler off in summer months. Lots of complaints.
Chiller			**H2**	Installed 2010
Housing	**C**			100-ton air cooled scroll with R-410A
Pumps	**HP**	$3,000	**H2**	Appear original to 1992 addition. 252GPM@50FT, 5HP-Lead/Lag
Insulation	**CP**	$1,000	**H2**	Insulation has failed at one pump (or pump is leaking). Condensation on pump and across floor.
Air Unit-training room			**H3**	Installed 2011
Housing	**D**	$2,000	**H3**	Not positioned as designed. It is too close to roof edge. Provide rail.
Air Intake	**C**			
Condensing Unit	**C**			8-tons cooling
Fan	**C**			2,400 CFM, 2HP
Filters	**C**			30%
Controls	**C**			Low voltage
Ductwork	**C**			

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Insulation	C			Duct liner.
Occupied Space Thermal Comfort	C			Staff did not report issues like other areas but did indicate that when room is fully occupied, it can overheat.
Air Unit-firing range			H4	Installed 2010
Housing	C			
Air intake	C			
Heat	C			Gas-fired heat
Fan	C			100% outside air
Filters	C			30%
Controls	C			Low voltage
Ductwork	C			
Insulation	C			
Occupied Space Thermal Comfort	C			No cooling. No complaints indicated.
Data Room Cooling Units			H5	
Housing	F			Leibert units-DX and water cooled. Humidifier on basement unit. Ages vary.
Condensing Units	D	$2,000	H5	One unit too close to roof edge. Provide rail.
Exhaust Fans			H6	
Toilet/locker Room Exhaust	C			Multiple power roof ventilators. Ages and condition vary. Ceiling fan in single fixture toilet rooms – light switch operated.
Exhaust Ductwork	HP	$12,000	H6	Mostly original. Minimal replacement during renovation projects. Lint/dust is coating the grilles and ductwork. Recommend cleaning and rebalance.
Boiler System			H7	Installed 1992.
Boilers	HP	$85,000	H7	PK-1200. 1,200,000 BTU (redundant units)
Pumps	HP	$10,000	H7	B&G .5 HP primary B&G 5 HP lead/lag secondary pumps 175GPM@70 feet
Piping	C			Mostly original to the 1992 project. Revised during renovation projects. Mix of copper and steel.
Pipe Insulation	C			
Room Terminal Units	HP	$10,000	H7	Convectors, VAV, cabinet heaters. Some fin tube radiation installed at floor, restricting air movement through devices.
Mechanical Room Ventilation	D	$2,000	H8	Combustion air terminates near floor only.

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Controls				
Air Compressor	**C**			Duplex, 3HP.
Room Control	**F**		**H9**	Original pneumatics. Replace with low voltage DDC during mechanical projects
Garage Ventilation			**H10**	
Make-up Air Unit	**D**	$110,000	**H10**	One unit has failed. The other does not keep up.
Exhaust	**D**	$30,000	**H10**	Some fans have failed. Exhaust openings not positioned correctly.
Control	**D**	$10,000	**H10**	Time clocks. No gas detection.

NOTES:

H1. These units are original to the 1992 project. Units are 23 years old with an expected useful life of 25 years depending on maintenance and operation of the unit. Overall the units have been maintained well but are beginning to show signs of age and beginning to rust. The coils appear to be in fair condition, however most deterioration occurs from the inside out and won't be visible until leaks occur. The unit grade is mainly based on the unit's age and expected useful life. The estimated replacement cost assumes many factors, including ability for extended unit outage during construction, and combining of multiple units into one. The actual cost could widely vary depending on the project specifics.

The units are indoor modular units with hot water heating coil, chilled water cooling coil and VAV control. The supply ducts are lined. Duct liner erodes overtime and this will lead to system inefficiency and condensation which will damage building material. It is recommended to seal the ductwork and install duct wrap insulation during renovation projects.

The pneumatic actuators are slowly being replaced with low voltage DDC. When the units are replaced it is recommended to provide all new DDC control as this will allow for more in-depth monitoring and remote monitoring.

The occupants had many thermal complaints. The 1992 project installed reheat coils on the perimeter rooms only along with fin tube radiation. The interior rooms only allowed for VAV modulation. As the VAV devices have set minimum air flows, this leads to overcooling of some interior spaces. To compensate for the overcooling the air unit discharge temperature has been set at 60 degrees. The original design was 55 degrees. The increased discharge temperature has less ability to dehumidify which is why the building feels "clammy or sticky". The boilers are turned off in the summer, which does not allow for the VAV system to utilize their reheat ability to maintain individual thermal control. It is recommended to install reheat coils on all VAV terminals serving occupied spaces, replace poorly functioning VAV terminals, lower the discharge temperature to 55 and operate the boilers year round.

H2. The chiller was replaced in 2010. No system complaints relayed by staff. Insulation is damaged at the chilled water pump. Recommend repair to the insulation to prevent condensation and further deterioration of the insulation and piping. The insulation prevented inspection of the pump seals to determine if the water was condensation from the damaged insulation or if the pump itself was starting to leak and causing the insulation damage.

H3. Air unit was replaced in 2011 and is dedicated to the training room area. Staff indicated that when the training room is fully occupied with "70 people" the room can overheat. The high occupancy rate is not the normal occupancy. The unit is located too close to the roof edge. It was designed to be at least 10 feet away. Recommend guard rail for protection of maintenance staff.

H4. The firing range air unit and exhaust fan were replaced in 2010. The exhaust air is filtered at the roof exhaust fan. The make-up air unit is a gas fired roof top unit. The unit is 100% outside air.

H5. Multiple Leibert cooling units dedicated to multiple data rooms. The units vary in age but, in general have a fair physical condition. The units appear to be keeping up with the cooling load. The basement data room is not sealed well. Sealing of the room will improve the unit's ability to maintain temperature and humidity as more data equipment is added to the room. One of the roof mounted condensing units is located too close to the edge of the building. A guard rail for maintenance staff protection is recommended. There are no recommendations for replacement of the units at this time.

H6. The office building exhaust system is served by multiple roof mounted fans and ceiling mounted fans. The ages and conditions vary greatly as the units have been installed during various projects. Dust and lint build-up is prevalent at many of the locker and toilet room grilles. Air flow within these spaces appears diminished and can be attributed to older ductwork combined with the dirtying of the systems. Duct cleaning, taping and sealing, and air balancing are recommended.

H7. The boiler system is original to the 1992 project. One pump motor appears to have been replaced. The boilers expected useful life is 25 years. The staff did not indicate problems with the units at this time. The system grade is based on the expected useful life. It is expected that the units will require replacement within the next 5 years.

Some of the fin tube radiation units are located too close to the floor which will restrict their ability to provide heat. To improve the units heating ability it is recommended to raise the radiation devices at least 4" above the floor.

H8. The mechanical room combustion air duct terminates at the floor only. Current code requires the duct to terminate at high and low points in the room. It is recommended to correct the combustion ductwork when the boiler system is replaced.

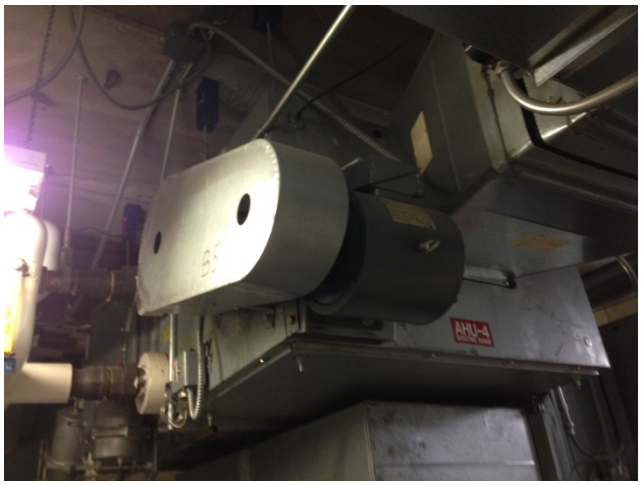
H9. The air compressor serving the buildings pneumatic controls appears to operate sufficiently. As systems are replaced, low voltage DDC controls are recommended for installation as this will allow greater monitoring of the system.

H10. The garage is currently served by two gas fired make-up air units and multiple exhaust fans. One make-up air unit has failed and the other cannot ventilate and heat the space properly. One of the exhaust fans has failed. The system operates on a time-clock to provide ventilation when the space is occupied. There is no gas detection system. The exhaust locations are at the floor which allows them to be easily blocked with stored items. Raising the exhaust slightly will allow removal of contaminants without restricting the air flow.

The space is used for auto repair and storage, so it does not neatly fall into one code category. Based on actual space use, the recommendation is to define the space as an enclosed garage. An enclosed garage has specific exhaust code requirements and the garage is required to have a negative pressure in relation to the occupied space. A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets 4 specific code provisions including the installation of a gas detection system. The current system does not meet the ventilation requirements for an enclosed garage. A garage ventilation upgrade project to install radiant heaters, make-up air units, exhaust fans, and control system with gas detection, is necessary to improve garage ventilation and occupant safety. The recommendation is to operate the system continuously with increased ventilation during the occupied period.



Air Unit (Typical)



Air Unit (Typical)



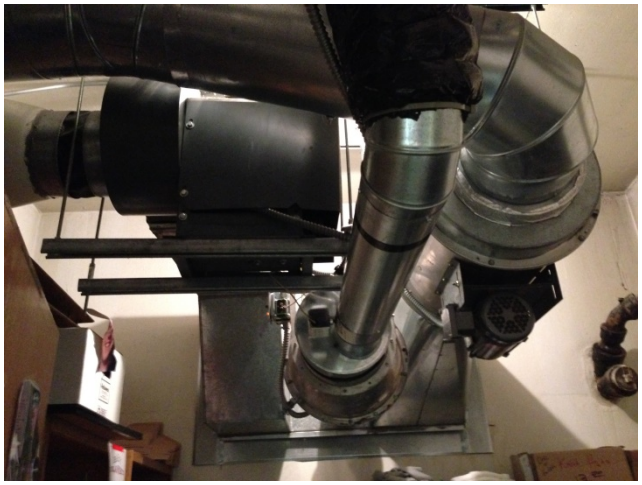
Firing Range Air Unit



Training Room Air Unit



Power Roof Ventilators (Typical)



Forensic Lab Exhaust Fans



Firing Range Exhaust



Chiller



Leibert Unit



Data Room Condensing Unit



Typical Ceiling Exhaust Fan



Boiler



Hot Water Pumps



Chilled Water Pumps



Gas Meter



Temperature Control Air Compressor



Firearm Cleaning Exhaust Hood



Firing Range Control Panel



Electric Heat (Stair and Toilets)



Fin Tube (Installed at Floor)



Air Unit VFD's



Garage Control Panel



Garage Exhaust (Near Ceiling)



Generator Louver



Garage Make-up Air Unit



Garage Exhaust Vent (Behind Storage)



Garage Exhaust Vent (Typical)



Fuel Tank Vents



Hazardous Storage Room (Vented Tanks)



Garage Storage Exhaust Fan

ELECTRICAL SYSTEMS

Summary

The building is served by a 1600 Amp, 120/208 Volt, three-phase electrical service. The original panels are in fair condition; the panels added in the 1992 renovation are in good condition. The panels have capacity for future load. The emergency generator serving the building is in fair condition. The emergency electrical system is fed from a single transfer switch which serves a main distribution panel to feed emergency panels throughout the building. The equipment is in fair condition and has some future capacity. An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads. Storage is currently blocking the code required 3-feet for electrical clearance for Panel C.

There are numerous outlets around the building that need to be GFCI protected. Lighting fixtures are in fair to good condition and utilize T8 lamps and ballasts, incandescent and compact fluorescent lamps. There are several fixtures with broken or missing lenses. These should be replaced or repaired. There are a few occupancy sensors located in office areas, but the facility should install occupancy sensors in all offices, meeting rooms, break room, storage rooms and janitor's closets. HID building mounted fixtures and parking lot poles are in fair condition; consideration should be given to replacing the HID fixtures with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition and the facility is pulling Cat 5 and Cat 6 data and voice cabling from data racks on each floor and coax for CATV. The fire alarm system is a zoned system with smoke detectors, pull stations, and notification devices located around the building. Coverage does not comply with current code, a new addressable fire alarm system upgrade is recommended with additional devices provided to meet code.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Electrical Service				
Utility Service Entrance	C			Pad mounted utility transformer serves 1600 Amp underground electrical utility service and feeds main service equipment in the 2nd floor mezzanine.
Normal Power Distribution Equipment				
Main Distribution Panel	C			600 Amp GE Power Panel in good condition with some future capacity.
Branch Panels	F		E1	Original GE NLTG panels in fair condition and 1992 renovation GE A-Series panels in good condition. Panels have future capacity.
Emergency Power Distribution Equipment				
Generator	F		E2	200 KW Onan natural gas generator located in the vehicle garage, in fair condition.
Transfer Switch	HP	$20,000	E3	Onan 800 Amp ATS in fair condition.

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Main Distribution Panel	HP	$7,000	E3	800 Amp GE Power Panel in good condition with some future capacity.
Branch Panel	HP	$20,000	E3	Original GE NLTG panels in fair condition and 1992 renovation GE A-Series panels in good condition. Panels have future capacity.
Power				
Receptacles	D	$1,000	E4	Garage outlets and outlets within 6' of sinks, and outlet in Elevator Equipment room needs to be GFCI. Plug strips are being used in locker rooms for charging devices.
Lighting				
Garage	C			Industrial fixtures and surface mounted wraps with T-8 lamps in good condition.
Office Spaces, Conference Rooms, Gun Range, and Corridors	C			Recessed acrylic lens and parabolic louver troffers, surface wraps with T-8 lamps, and incandescent downlights and track heads. Fixtures are in good to fair condition.
Toilet Rooms	F	$500	E5, E6	Recessed troffers and surface mounted wraps in good condition. Men's Shower and Sauna have incandescent lamps (sauna fixture is missing lens).
Mechanical Spaces, Storage Rooms, Utility Areas	F	$2,000	E5, E6	Industrial strips and surface mounted wraps with T-8 lamps, (some fixtures have broken lenses) and ceramic sockets with incandescent and compact fluorescent lamps.
Exterior	F	$6,000	E7	HID parking lot poles and wall packs in good condition controlled by photocell.
Lighting Controls				
Offices, Conference Rooms, Break Room	HP	$5,000	E8	Add occupancy sensors.
Toilet Rooms/ Small Storage Rooms	HP	$1,000	E8	Add occupancy sensors.
Emergency Egress Lighting and Exit Signs				
Corridors	C			Fixtures connected to emergency panels.

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Exit Signs	C			LED type in good to fair condition.
Fire Alarm Devices				
Fire Alarm System	HP	$30,000	E9	Simplex 4002 zoned system in fair condition, coverage does not meet code. Some pull stations are not ADA compliant for mounting height.
Telecommunications				
Data/Voice	C		E10	UPS's protecting the telecom equipment. Cat 5 and Cat 6 cabling.
CATV	C			Coax

NOTES:

E1. Code required 3-feet for electrical clearance and clear space above the equipment is not being maintained for Panel C, closet storage needs to be moved.

E2. When the generator is replaced in the future, it will need to be located within a dedicated electrical room with appropriate floor, ceiling, and wall fire-rated construction.

E3. Recommend providing an additional automatic transfer switch and a new distribution panel to separate the critical and equipment branch loads from the life safety loads. Additional branch panels would be needed to transfer circuits from existing panels that have mixed loads.

E4. Replace all outlets located in the garage area with GFCI type device. Replace existing outlets within 6-ft of sinks with GFCI type device, unless they are currently protected from a nearby GFCI outlet. If this is the case, the outlet should be labeled per NEC requirements. The elevator equipment room receptacle needs to be GFCI.

E5. Replace incandescent lamps with compact fluorescent or LED type for energy savings.

E6. Consideration should be given to replacing older fixtures with new. Replacement or repair should be done on fixtures with broken or missing lenses.

E7. Consider replacing all HID fixtures with more efficient LED in the future.

E8. Occupancy sensors should be installed in the meeting room, conference rooms, offices, storage rooms, and janitor's closets, etc. to provide additional energy savings. If areas are renovated, controls will be required to be updated to meet current energy code.

E9. Recommend upgrading the fire alarm system to an addressable system with device locations that meet current code requirements.

E10. Due to plenum return for HVAC, all cables should be plenum rated type.



Main Electrical Service Meter



Utility Transformer



Main Electrical Equipment



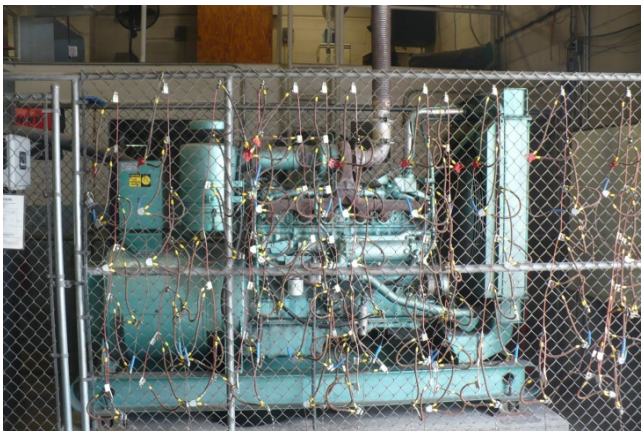
Main Fusible Switchboard



Surge Suppression



Normal Main Distribution Panel



Generator



Automatic Transfer Switch



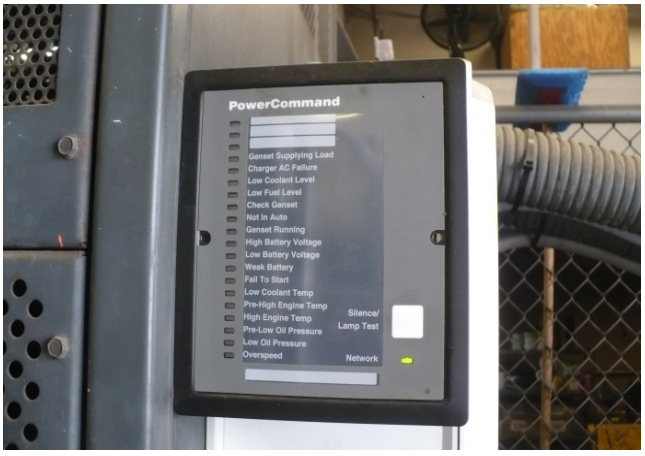
Emergency Main Distribution Panel



1992 Renovation Panel



Original Panel



Generator Annunciator Panel



Basement Data Rack



Fiber Service



1st Floor Data Rack



UPS



2nd Floor Data Rack



UPS



Wireless Access Point



Plug Strips



Old Exit Sign



1st Floor Corridor Lighting



Office Lighting



Office Lighting Mixed Fixture Types



Gun Range Spot Lighting



Panel Board Surge Suppression



Garage Outlet and Door Controllers



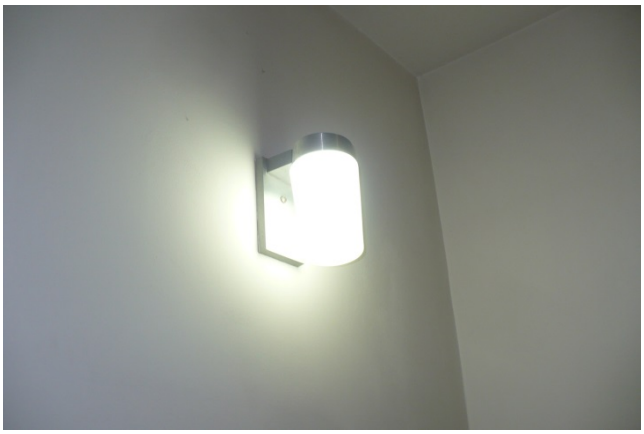
Basement Corridor Lighting



Garage Lighting



Break Room Lighting



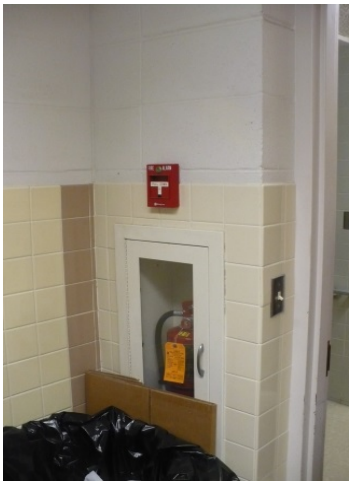
Stairwell Lighting



Sauna Light Missing Lens



Fire Alarm Notification Device



Non-ADA Pull Station



HID Wall Pack Lighting



HID Parking Lot Pole Lights

EVALUATION

OF

CITY-OWNED FACILITITES

MUNICIPAL COURT

August, 2015

POLICE DEPARTMENT

SUMMARY

Date of Visit: July 16, 2015
330 South Jefferson Street

Building Description

The structure was originally constructed in 1967 as an Employment Security Building for the State of Wisconsin. It was later transferred to the City and converted to municipal court usage. The first floor of the building is used for municipal court functions; offices, reception and service counter, waiting, interview and courtroom itself. These spaces were all part of a remodeling project in 2000. They are in good condition. The basement is used for police functions; workout rooms, storage, and offices. Building services are also on this floor.

An elevator and two stair shafts serve the basement. One stair shaft is in need of repair to maintain the 1-hour rating.

The exterior of the building is double wythe cavity wall construction with brick as the exterior wythe. Soffits and fascia are interlocking metal panel, unvented. Windows are fixed panel over operable hopper and composite panel.

Code/Accessibility

Code

Two legal means of egress are provided from all areas on both floors.

The front stair shaft has an unprotected/sealed penetration at the lower level. This does not appear to be an original condition, thus it is not grandfathered in as compliant. The opening should be sealed to provide a 1 hour rated shaft enclosure. Some lockers are located at the upper landing of the back stair. They should be relocated to comply with code.

Accessibility

Accessibility is a higher priority in this building, as its first floor is primarily intended for public access and use. Both public restrooms off the lobby were remodeled with the 2000 renovation and are ADA compliant. An elevator is provided for access to both floors.

Accessible drinking fountains are provided, but if remodeling is done, an accessible break room counter and sink should be provided.

Structural System

The structure consists of steel roof deck and open web steel joists supported by exterior load-bearing masonry walls, and concrete filled metal form deck over open web steel joists at first floor supported by exterior basement walls and an interior steel frame of steel tube columns and wide flange beams.

Plumbing Systems

The original piping is in fair condition. Majority of the water and storm piping is insulated. A thermal mixing valve (TMV) should be added to the system.

Building is served by (4) 3" roof drains, along the outer edge. Roof has no internal secondary drainage or relief scuppers.

Plumbing fixtures in the basement toilet room are older and could be updated to conserve water. Building utilities in general appear adequate.

Fire Protection Systems

This building is only partially sprinkled with a fully sprinkled basement and no sprinkler system on the first floor. The sprinkler system piping, valves, sprinkler heads, and equipment appear to be in good condition and free of corrosion and leaks. There are several minor deficiencies on the sprinkler system that are not affecting the proper operation of the system but should be corrected. See Fire Protection report for details.

HVAC Systems

A modular air unit installed in a basement mechanical room serves the entire building. The system has filtration, heating coil, and a refrigerant cooling coil which serves an outdoor condensing unit. The air unit is past its expected useful life. Replacement of the unit will require an extended period of outage.

Grilles through the basement area are loud. The basement remodeling has left the some ductwork in a semi-abandoned state. The main supply ducts are insulated with duct liner and the insulation has eroded slightly.

The boiler is past its expected useful life. Piping insulation is missing or in disrepair in a variety of locations. It appears that staff has removed and not replaced insulation in areas where they required access to the piping and system components.

Electrical Systems

The electric service is rated 600-Amps at 120/208-Volt, 3-Phase. The main distribution panel is in good condition, and has additional capacity. There are three branch panels also in good condition, but at capacity of circuits. Code required clearance needs to be provided in front of the panel located in the utility room in the basement.

Interior lighting fixtures predominantly use T8 fluorescent lamps with electronic ballasts. A few fixtures on the basement level are missing lenses or have sagging lenses. Emergency egress lighting coverage is not at current code levels, and many of the emergency fixtures do not function.

Coverage with audible and audible/visual alarm (A/V alarm) devices is not code compliant. The elevator lobby smoke detector outside the basement elevator doors is located too close to the sidewall, and is not permanently fastened. There is no evidence of a shunt-trip mechanism to automatically disconnect power to the elevator when sprinklers are activated in the elevator machine room and/or elevator shaft as required by code.

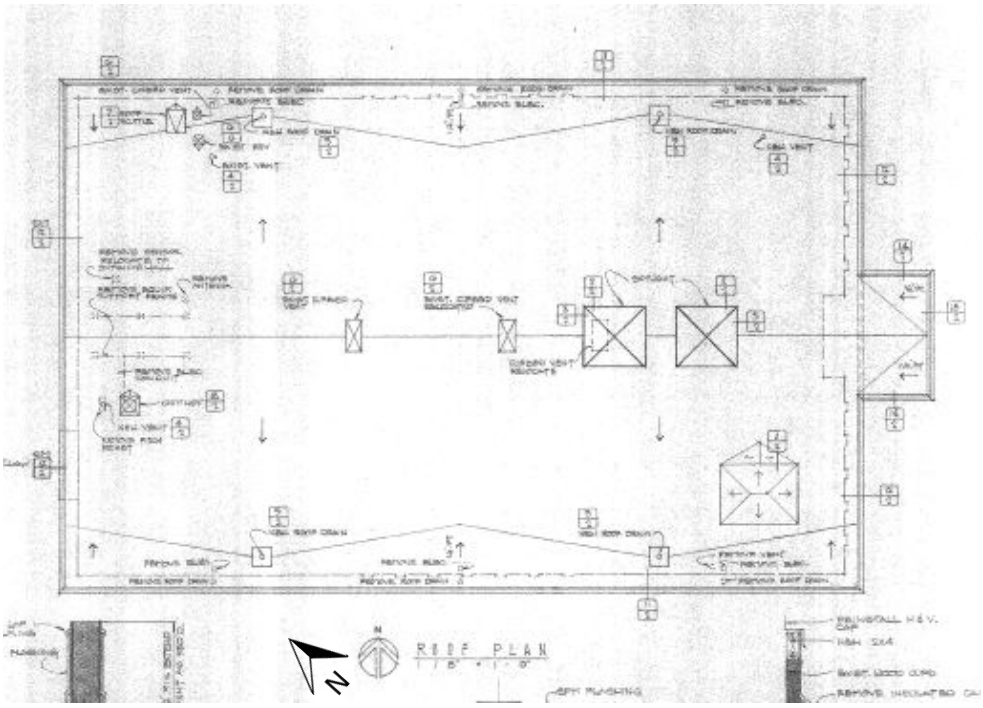
In the basement a few electrical boxes are missing covers, and a couple of conduit runs are not supported properly. Conduit penetrations through the east stairwell wall in the basement are not fire sealed.

Estimates

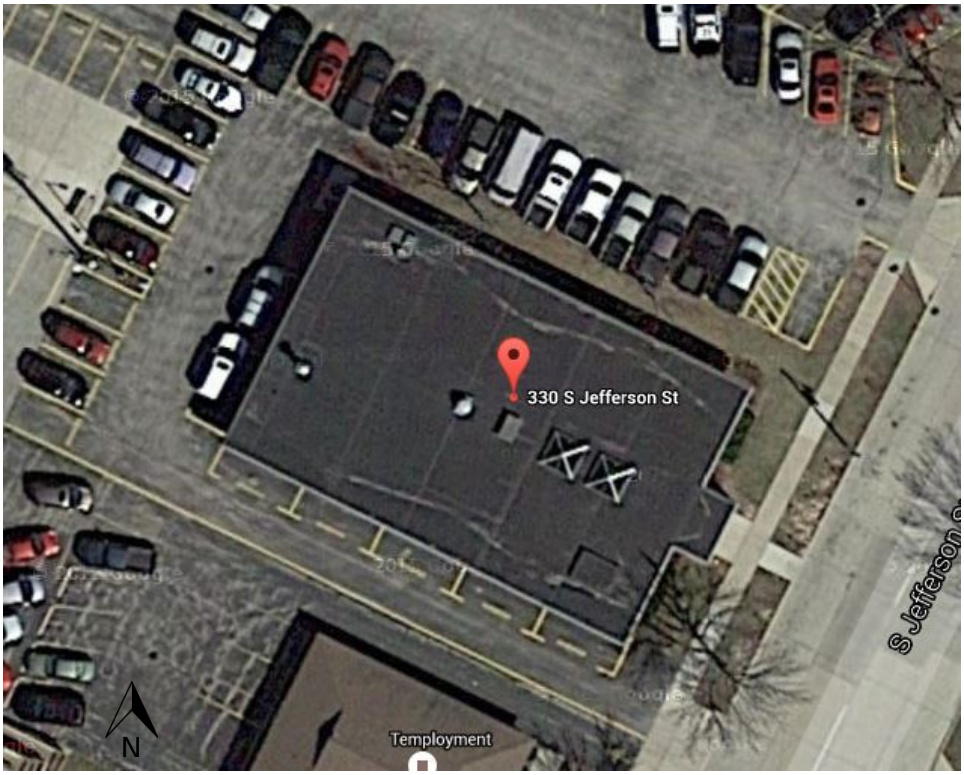
Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

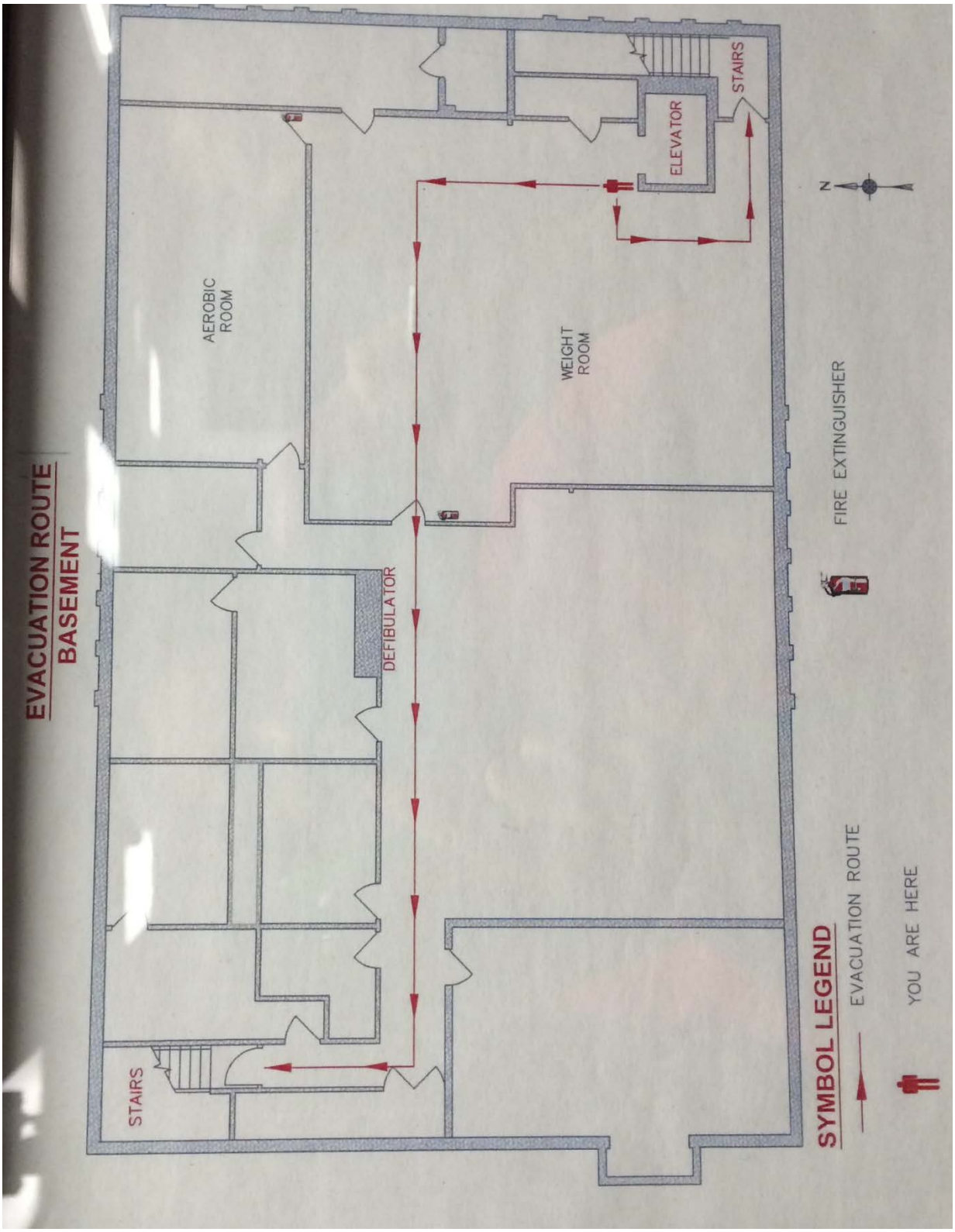
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural				**NA**
Code/ADA	Stair Shafts			**$500**
Structural				**NA**
Fire Protection	Wet Pipe Sprinkler System			**$1,000**
Plumbing			Insulation	**$3,000**
	Thermal Mixing Valve (TMV)			**$4,000**
Plumbing Subtotal				**$7,000**
HVAC Systems		Housing (Coils, Fan, Filters, Controls)		**$125,00**
			Ductwork	**$30,000**
			Insulation	**$2,000**
			Occupied Space Thermal Comfort	**$20,000**
			Exhaust Ductwork	**$12,000**
		Boilers		**$85,000**
			Pipe Insulation	**$5,000**
	Mechanical Room Ventilation			**$10,000**
HVAC Subtotal				**$262,000**
Electrical	Emergency Battery Packs and Exit Signs			**$3,300**
		Horns and Horn/Strobes		**$8,000**
	Shunt-trip Mechanism			**$7,500**
Electrical Subtotal				**$18,300**
Building Total				**$316,300**



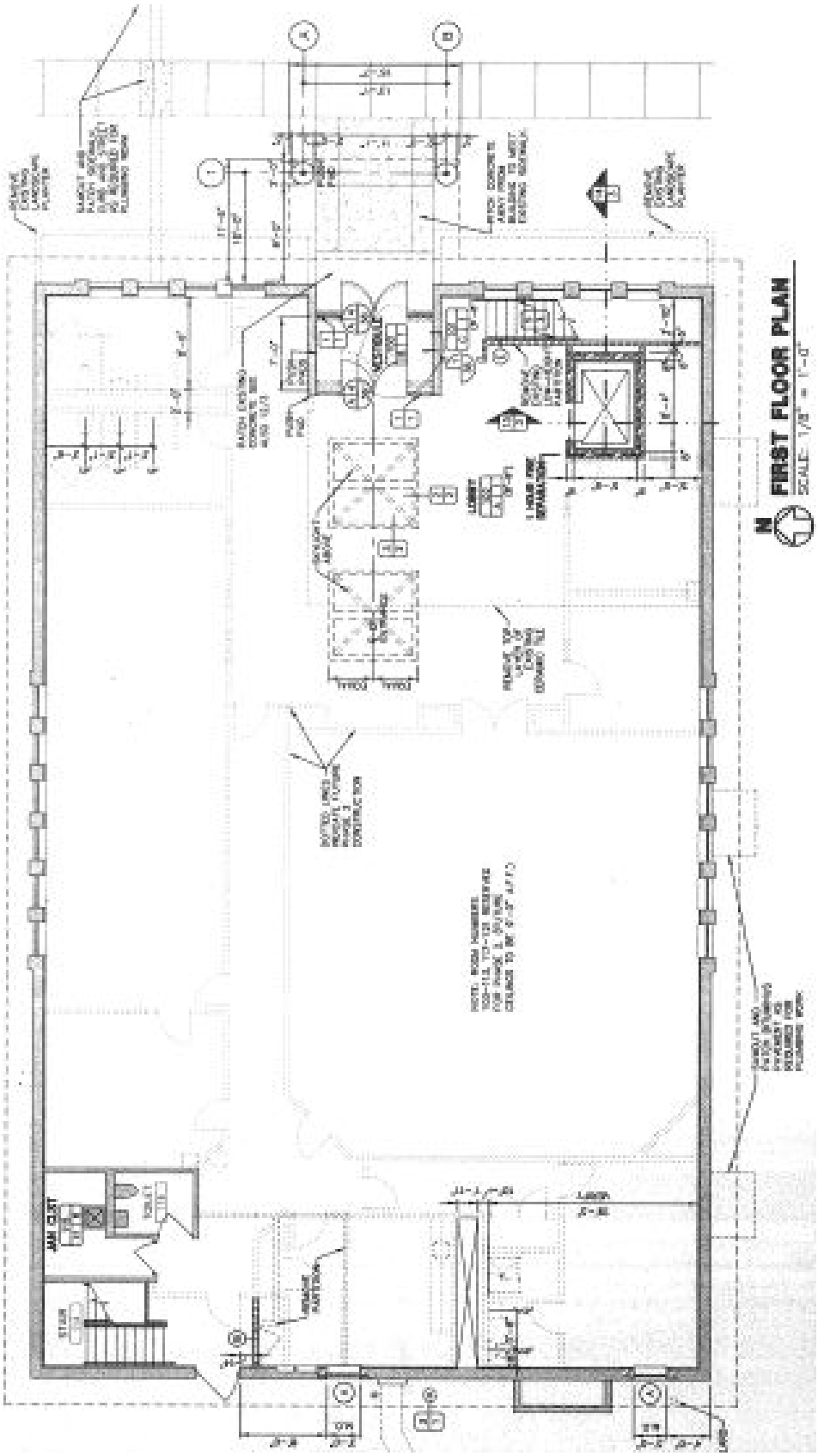
Roof Plan



Aerial View of Site


EVACUATION ROUTE
BASEMENT
AEROBIC ROOM
WEIGHT ROOM
ELEVATOR
STAIRS
DEFIBULATOR
STAIRS
N
FIRE EXTINGUISHER
SYMBOL LEGEND
EVACUATION ROUTE
YOU ARE HERE

Basement



First Floor Plan

ARCHITECTURAL

Building Description

The first floor of the building is used for municipal court functions; offices, reception and service counter, waiting, interview and courtroom itself. These spaces were all remodeled in a 2000 project and are in good condition.

The basement is used for police functions; workout rooms, storage, and offices. Building services are also on this floor: mechanical rooms, data room, janitor room and larger toilet rooms. Some walls have been removed and minor remodeling done since the 2000 work, which also installed an elevator. The basement is in fair condition.

Building Envelope

Exterior Walls

The exterior wall is a double wythe, cavity wall construction. The wall is flashed and weeped at the soldier course base of modular sized face brick, topped with a running bond of the same brick, and capped below the soffit with another soldier course.

The soffits and fascias are an interlocking metal panel; the soffit panel is unvented. The building trim is a break-metal profile, matching the soffits and fascia in color. The entry overhang, level with the adjacent, continuous soffits, is also an unvented aluminum metal panel.

The areaway intake has been extended from the original building with a similar brick color.

Windows

Window units are a combination of fixed panel over hopper, the total of which is a square approximately 1/3 of height of the exterior wall. Windows are set in between brick piers, with a soldier course of brick at the bottom, and composite panel filling the remaining space.

Roof

The existing roof is a 60 mil thick, fully adhered EPDM membrane system and appears in good condition. No leaks have been reported. The surface includes four roof drains, two skylights, a collection of mechanical exhaust and ventilation, a few vent pipes and the elevator overrun. The flashings, counterflashings, trim and seams appeared in good condition. A few exceptions are a length of parapet along the southwest corner where the parapet flashing appears to be turned up and some minor wrinkling and tenting. Continued inspection and maintenance is recommended.

No secondary drainage system was observed. The potential for clogged roof drains, or a backed-up storm sewer could yield ponding on the roof and the condition should be remedied when reroofing comes due.

The elevator overrun discharges directly on the adjacent surface.

Interior Finishes

Floors

Floor finishes on 1st floor were updated with the 2000 renovation and are in good condition. The lobby is a 12x12 porcelain tile with wood base. Toilet rooms have 2x2 ceramic tile floors. A staff toilet room and janitor room have 2x2 ceramic tile floor and base. The remaining areas on 1st floor are carpet.

The basement toilet rooms have not been updated since the original construction. Floors are mosaic tile. Carpet is in fair condition, with some unravelling at seams. The main workout area also has textured rubber floor mats for protection from weight equipment. Stairs have patterned rubber treads and risers.

Walls

Most walls are painted gypsum board. The walls in the first floor public toilet rooms have a 4'-0" high ceramic tile wainscot, while the older basement toilet rooms have full height 4 ¼" x 4 ¼" glazed tile. Tile in the older toilet rooms has numerous holes from previous locations of wall-mounted equipment. Some walls in the basement have been modified. The wall behind the bench in the courtroom is full height wood panel. There are penetrations in the stair shaft walls that should be addressed.

One basement work-out room has been lined with athletic pads.

Doors
First floor doors look to be from the time of the 2000 renovation. Most are hollow metal frame with flush doors; some have a narrow center light. Lower level has a mixture of original doors, and some lesser quality 6-panel doors, apparently added by staff in subsequent renovations. The 6-panel doors have wood frames. The stain on the later basement renovations does not match that of other building finishes.

Ceilings
Typical ceilings are 2' x 2' acoustic tile with tegular edge. The courtroom and main lobby has a gridded 2x2 acoustic panel. A center area of the lobby ceiling is raised approximately 6". It also has the gridded panel, and two 4' x 8' skylights.

The basement workout areas have black ceiling grid from which various lights and HVAC elements are either suspended or attached.

Casework
A basement break room has wood cabinets with a plastic laminate top that appears to date from the original construction. It is dated, but serviceable. A first floor breakroom has a section of casework that is plastic laminate tops, bottoms and uppers in good condition.

Courtroom casework is newer and in good condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE		BUDGET COST	NOTES	COMMENTS
Roof Condition	C				
Exterior Facade Condition	C				
Exterior Door Condition	C				
Window Condition	C				
Interiors					
Floors	F	C		A2	1st floor in good condition.
Walls	F	C		A1	1st floor in good condition.
Doors	F	C			1st floor in good condition.
Ceilings	F	C			1st floor in good condition.
Casework	F	C			1st floor in good condition.

NOTES:

A1. Recommend patching walls at stair shaft.

A2. Patch/repair damaged carpet at basement.



Northeast Elevation



Southeast Elevation



Flashing at Parapet



Elevator Overrun



Skylight



Typical Projected Window



Soffit/Overhang



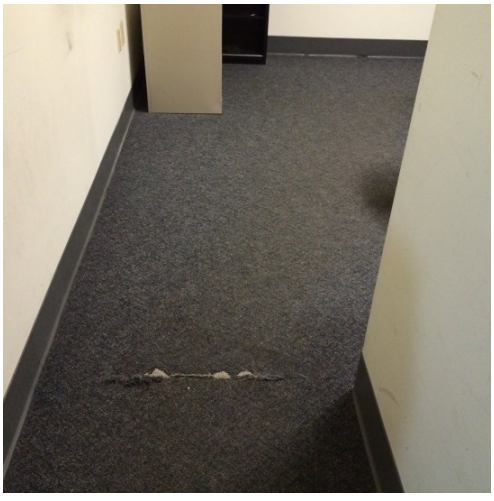
Condition of Composite Tile



Floor and Wall Finishes at Lobby



Wall and Floor Finishes at 1st Floor Toilet Rooms



Carpet at Basement



Basement Workout Room Floor Mats



Court Room Finishes



Judge's Bench Finishes



1st Floor Corridor



Judge's Office



Judge's Toilet Room



Staff Toilet Room



Staff Office Area

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1967 original construction 2000 renovation	**Gross Area**	Basement: 6,227 SF 1st Floor: 6,227 SF
Occupancy Classification *(Chapter 3 of IBC)*	Business		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

Egress and Safety

Two legal means of egress are provided from all areas on both floors.

Stair Shafts

There are stair shafts at the front (east) and back (west) sides of the building providing egress from the basement. While the back stair egresses directly outside, the front one empties into the lobby as opposed to the outside. This is presumed to have complied with code at the time it was built. The stair shaft has an unprotected/sealed penetration at the lower level. This does not appear to be an original condition, thus it is not grandfathered in. The opening should be sealed to provide a 1 hour rated shaft enclosure.

Some lockers are located at the upper landing of the back stair. Storage is not permitted in a stair shaft. As it is movable furniture, the lockers are not considered grandfathered in to compliance; they should be relocated.

Handrails and Guardrails

Hand and guard rails at back stair provide height, and opening protection per current codes. Those at the front do not have the current code required extensions at both sides, but are considered grandfathered in as compliant.

Summary of Accessibility/ADA Compliance

Accessibility is a higher priority in this building, as its first floor is primarily intended for public access and use.

Accessible Route

Entry to the building is at grade, with an accessible parking stall near the entrance with a post-mounted door operator. An elevator is provided for access to both floors. The judge's bench is one step up from floor level, which is not accessible.

Service counters from the lobby to the office space are at 29" height and 41 ½" height. This meets requirements for both low and high counters.

Doors
The main entry to the building has a door operator for automatic opening of entry doors. Doors on the first floor have accessible lever hardware. The 6-panel doors in the basement have knob handles, which are not considered accessible. These tend to be on non-egress doors, so safety is not an issue.

Plumbing Fixtures
Both public restrooms off the lobby were remodeled with the 2000 renovation and are ADA compliant. A single-user staff toilet located in the first floor office area is not sized for accessibility, but has been provided with some grab bars. The grab bars are not code required length, but as this is in excess of the compliant toilets, there is no need to change.

The judge's office has a private bathroom off of it, with toilet, lavatory and shower. Per code, none of these is currently accessible, but space may be available to convert it if necessary. (New lavatory, grab bars and field measuring required to confirm.)

The sinks in both basement and first floor break rooms are at 36" rim height. This is above the side-reach accessible height of 34". A drinking fountain in the hallway, and a second in the basement provide accessible drinking water. If remodeling is done, an accessible break room counter and sink should be provided.

Both Men's and Women's rooms in the basement date from the original 1967 construction. Lavatories are at accessible height, and turning radius is available in the room, but the toilets are not accessible.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Egress and safety	C			
Stair shafts	D HP	$500	CA1 & CA2	
Handrails/guardrails	C	$0		
Accessibility/ADA compliance				
Accessible route	C F		CA5	
Doors	C			
Plumbing fixtures	F		CA3	
Sinks	HP		CA4	

NOTES:

CA1. Repair penetration in stair shaft wall.

CA2. Remove storage lockers at rear stair shaft.

CA3. Since compliant toilets are provided on the main level, and an elevator is provided, the basement toilets are not required to be made accessible.

CA4. A break room sink and counter at accessible height (34" rim height) should be provided.

CA5. If a judge or someone who uses the judge's bench is in need of accessibility to the platform, the city would have to provide a ramp access.



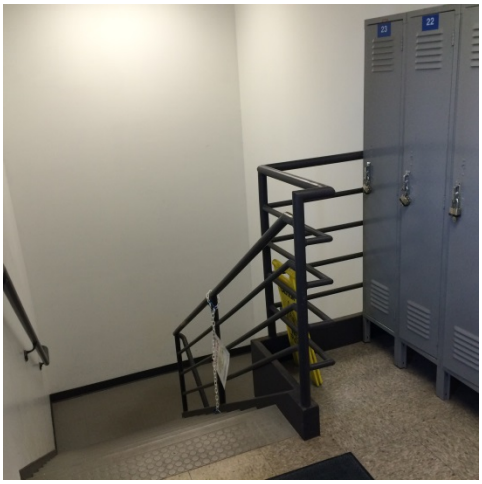
Accessible Parking with Signage



Post-mounted Door Operator



Penetration in Front Stair Shaft Wall



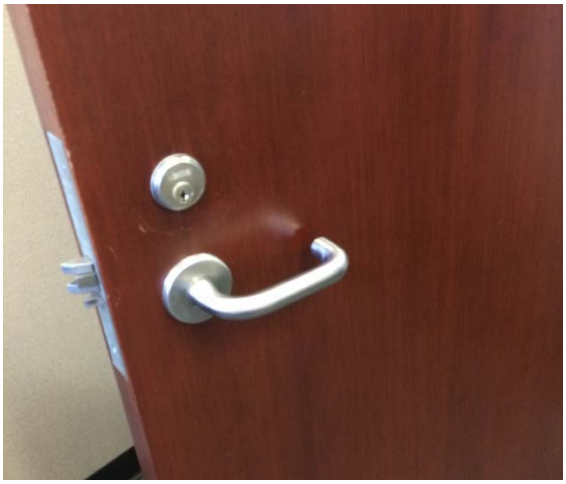
Storage Lockers in Rear Stair Shaft



Judge's Platform



Courtroom



Typical Door Hardware



Handrails With and Without Extension



Accessible Men's Room



Accessible Women's Room



Non-accessible Sink



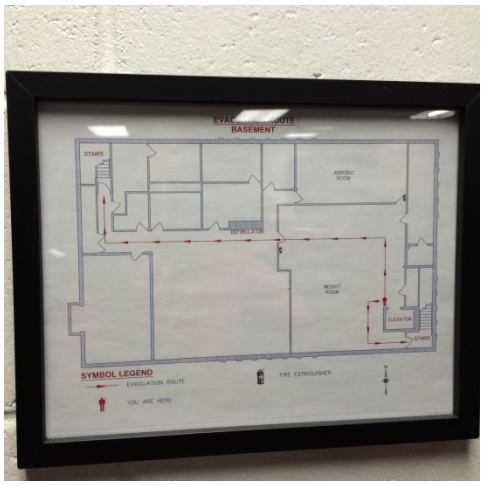
Non-accessible Sink



Non-accessible Men's Room



Non-accessible Women's Room



Posted Basement Egress Routes



Dual-height, Accessible Drinking Fountains

STRUCTURAL SYSTEM

Summary

The structure consists of steel roof deck and open web steel joists supported by exterior load-bearing masonry walls, and concrete filled metal form deck over open web steel joists at first floor supported by exterior basement walls and an interior steel frame of steel tube columns and wide flange beams.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1967 (Former Employment Security Building by State of Wisconsin – Department of Administration)
Structure type				
Foundations	**C**		**S1**	Cast-in-place concrete foundation/basement walls bearing on individual spread or continuous strip footings.
Basement	**C**			4" concrete slab on grade with 6x6 #10/#10 wire mesh reinforcing.
First Floor	**C**			3" concrete slab on metal form deck over open web steel joists, supported by exterior basement walls and an interior steel frame of steel tube columns and wide flange beams.
Roof	**C**			1 ½" A-20 steel roof deck and type "LH" open web steel joists supported by exterior load-bearing masonry walls.
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams, columns, floor slabs, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There is a minor vertically oriented shrinkage crack below the steel beam bearing location in the east foundation wall of the basement storage room. The crack shows no evidence of movement or water infiltration, and is not a cause for structural concern. No remedial action is recommended at this time.



Concrete Shrinkage Crack in Basement Storage Room

PLUMBING SYSTEMS

Summary

The Municipal Court building was constructed in approximately 1967 and remodeled in 2000. The original piping is in fair condition. Majority of the water and storm piping is insulated. A thermal mixing valve (TMV) should be added to the system. This is a code issues which needs to be corrected.

Building is served by (4) 3" roof drains, along the outer edge. Building was re-roofed in 2000. Roof has no internal secondary drainage or relief scuppers.

Plumbing fixtures in the Basement toilet room are older and could be updated to conserve water. The 1st floor fixtures were updated in 2000. Building utilities in general appear adequate.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	PVC & cast iron
Storm/Clearwater Piping	F		P3	Cast iron
Valves	F		P4	Gate & ball
Domestic Water Service	C		P5	2" main, 4" service
Insulation	HP	$3,000	P6	Add insulation
Code Issues	D	See below	P7	Add TMV, relocate FP drain
Equipment				
Domestic Water Heater	F		P8	Newer electric heater
Recirculation Pump(s)	F		P9	
Water Softener	NA			No water softener installed
Thermal Mixing Valve (TMV)	D	$4,000	P10	Add TMV (code issue)
Grease Interceptor	NA			No grease interceptor required.
Kitchen Equipment	NA			
Plumbing Fixtures	F		P11	
Backflow Prevention	C		P12	
Elevator Sump/Pump	F		P13	Simplex
Drain Tile sump/Pumps	F		P14	(3) Simplex , (1) Duplex

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Sewage Ejector Sump/Pumps	F		P15	Duplex
Exterior				
Storm Drainage, Roof Drains	F		P16	
Lawn Irrigation	NA			
Utilities	F		P17	

NOTES:

P1. Water piping is mainly copper, soldered joints. Fair condition. There are some pre-press connections at the water heater. Some sections of piping are missing insulation.

P2. Original sanitary is cast iron hub & spigot. 2000 remodeling is cast iron no-hub. Pump discharge piping from ejectors is newer PVC.

P3. Storm piping is cast iron hub & spigot. Piping is insulated with glass fiber. Pump discharge is original galvanized or newer PVC.

P4. Original valves are gate, newer valves are ball.

P5. Building is served by a 4" water service for the combined fire protection and domestic water. 2" water main, 1" meter set with 3-valved by-pass in the Mechanical room.

P6. Water and storm piping is insulated with glass fiber. Some sections of water piping are missing insulation – repair as required.

P7. Code issues: water temperature is set at 120° Fahrenheit - maximum temperature to be 110° Fahrenheit. No thermostatic mixing valve (TMV) at the heater. Add TMV per code. Fire protection drain discharges to a janitor's sink in the basement – not allowed per code. Re-route drain piping to floor drain. Install hose end vacuum breaker on the hose bib at the water main.

P8. Water heater is electric, AO Smith model #ECS 40 200, 208/240Volt, 40 gallon unit. Piping has pro-press connections, also missing insulation. 1" hcw connections.

P9. Existing B&G 120Volt recirculation pump with timer. ¾" hot water return piping to pump.

P10. Add TMV to water heater. Set hot water temperature to 110° Fahrenheit. Code issue.

P11. Plumbing fixtures: Plumbing fixtures on 1st floor are ADA accessible. 1st floor Men's and Women's toilet rooms have wall-hung vitreous WC's at regular and ADA height. Urinal is wall-hung at 17" aff., lavatory is wall-hung with metering faucet. Safety covers installed. Lobby has bi-level ADA electric water coolers. Judges' Chambers has a tank-type WC installed, vitreous lavatory in countertop, lever handle control on faucet. Toilet room also has a fiberglass modular shower. Staff toilet room has wall-hung WC and lavatory.

Basement fixtures appear to be original vintage. WC's and lavatories are wall-hung, vitreous fixtures. Urinal is floor mount with flush valve. Break room sinks are stainless steel drop-in type with faucet.

Each floor has a janitor's sink. Basement sink has the fire protection inspector's test discharging to it-which is not allowed per code. Test drain needs to be routed to a floor drain.

Exterior of building has non-freeze sill faucets installed.

P12. Janitor's sink faucet with hose connection ends have a threaded vacuum breaker installed. Hose bib at the water main needs to have a hose end vacuum breaker installed.

P13. Elevator sump/pump is simplex, submersible with a high water alarm installed.

P14. Building has (4) separate drain tile sump/pump locations. One unit is a duplex, other three are simplex pump(s), and all are submersible. Simplex unit in the workout area (located under the mats) has a high water alarm installed. High water alarms should be installed on the other pumps also.

P15. Sewage ejector pumps are duplex top-mount. Pumps are 1½ hp, 208Volt.

P16. Building is served by (4) 3" roof drains, 4" roof leaders to below grade. Piping is insulated with glass fiber. There is no secondary roof drainage installed.

P17. Utilities are fed from Jefferson Street. 4" water main to the building serves the domestic water and fire protection systems combined. 4" sanitary sewer. 4" and 6" storm sewers combined, route to a 6" storm main to the street. Parking lot has internal storm drainage with catch basin(s).



4" Water Service



Water Piping



Water Piping, Gate Valve



Water Piping



Sanitary Piping (cast iron & PVC)



Storm Piping -insulated



Storm Piping, Sanitary/Pump Discharge



Water Piping at Water Heater, Pro-press Piping



Water Meter with By-pass



Water Heater



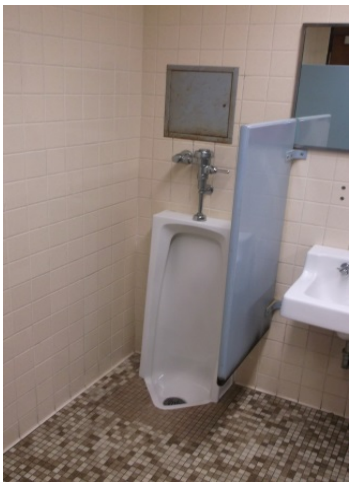
Hot Water Recirculating Pump



Water Closet – 1st Floor Men's



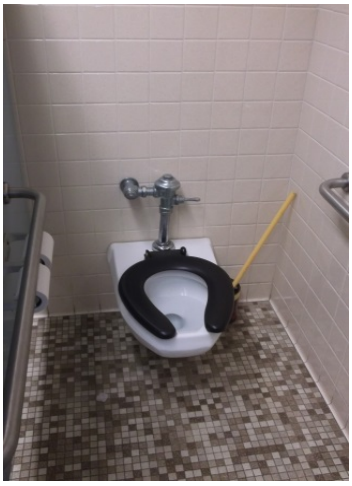
Lavatories – 1st Floor Men's



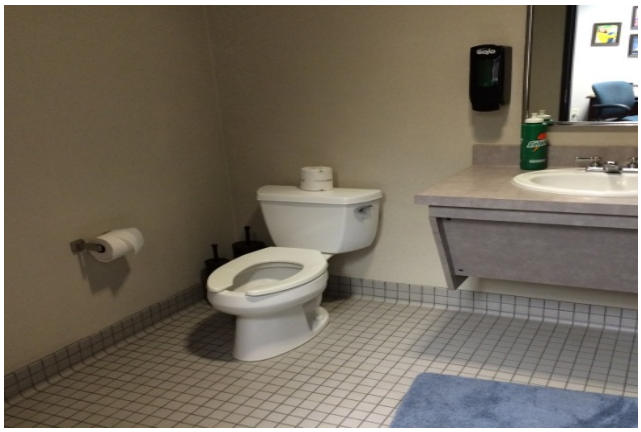
Urinal – Basement Men's



Lavatories – Basement Women's



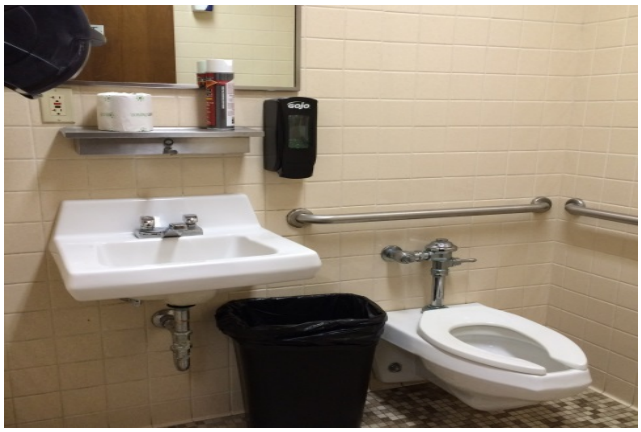
Water Closet – Basement Men's



Water Closet – Judge's Toilet room



Shower – Judge's Toilet room



Staff Toilet Room – 1st Floor



Janitor's Sink



Electric Water Coolers – Lobby



Electric Water Cooler – Basement



Basement Sink



Elevator Sump/Pump



Elevator – High Water Alarm



Clearwater Sump/Pump



Drain Tile Sump/Pump, Alarm



Drain Tile Sump/Pump



Sewage Ejector – Duplex Pumps



Fire Protection Drain into Janitor's Sink



Non-freeze Sill Faucet



Exterior Cleanout



Parking Lot – Catch Basin



Parking Lot – Catch Basin

FIRE PROTECTION SYSTEMS

Summary

The Municipal Court building was constructed in approximately 1967 and remodeled in 2000. This building is only partially sprinkled with a fully sprinkled basement and no sprinkler system on the first floor.

The 4" water main comes into the basement through the east wall and supplies both the domestic water supply and the fire protection sprinkler system.

The sprinkler system piping, valves, sprinkler heads, and equipment appear to be in good condition and free of corrosion and leaks.

There are several minor deficiencies on the sprinkler system that are not affecting the proper operation of the system but should be corrected.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

FIRE PROTECTION	GRADE	BUDGET COST	NOTES	COMMENTS
Water Service	**C**		**FP1**	4" Water Service.
Backflow Prevention	**C**		**FP2**	
Fire Pump	**NA**			
Fire Pump Controller	**NA**			
Jockey Pump	**NA**			
Jockey Pump Controller	**NA**			
Wet Pipe Sprinkler System	**D**	$1000	**FP3**	
Valves	**F**		**FP4**	
Piping	**F**		**FP4**	
Sprinkler Heads	**F**		**FP4**	
Percent of Building Unit Sprinkled	**50%**			Basement is sprinkled, first floor is not.
Elevator Machine Rooms sprinkled	**C**		**FP5**	
Electrical Switchgear Room sprinkled				
Elevator hoist way pits are sprinkled	**C**		**FP5**	
Other Fire Protection Systems				
Pre-action System	**NA**		**FP6**	
Kitchen Hood System	**NA**		**FP6**	

NOTES:

FP1. The 4" water service enters the building in the basement and splits to the domestic water system and the Fire Protection System.

FP2. The backflow preventer is an Ames 2000 SS 4" double check valve backflow preventer with OS&Y gate valves. The backflow preventer and the gate valves are in good condition.

FP3. The basement level and the stairwells are fully sprinkled. The deficiencies on the fire sprinkler system include the following. The sprinkler flow indicator stickers installed on the piping to the Fire Department Connection are pointing in the wrong direction. The automatic ball drip valve on the Fire Department Connection check valve is capped. This drip valve is meant to allow water in the check valve to drip out to prevent freezing. A pendent sprinkler head was discovered that was not replaced with an upright head when the ceiling was removed. The inspector's test drain is piped to a sink. All valves, piping, and sprinkler heads appear to be in good condition. The piping shows no indication of corrosion and the valves appear to be in good condition.

FP4. The elevator equipment room and hoist-way pit are sprinkled which meets the requirements of NFPA 13.

FP5. The elevator is a hydraulic elevator which requires sprinkler heads both in the pit of the hoist-way shaft and in the elevator equipment room. Sprinkler heads are located in both of these locations.

FP6. There are no kitchens or server rooms requiring fire suppression systems in the building.



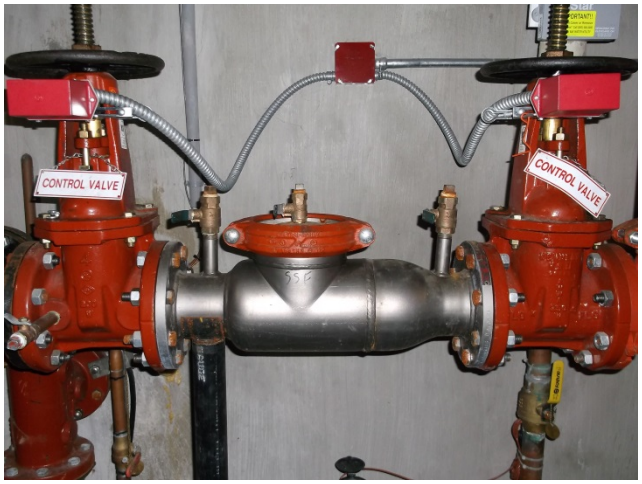
Fire Department Connection



Test Connection



Fire Protection Riser



Backflow Preventer



Flow Direction Points the Wrong Direction



Automatic Ball Drip Capped



Pendent Sprinkler Head too far from Ceiling



Sprinkler Head with Baffle in Electrical Room



Inspector's Test Drain Discharging in Sink



Sprinkler Head Under Duct

HVAC SYSTEMS

Summary

The building was constructed in 1967 and in 2000 was remodeled for the municipal court. The remodeling installed ductwork, VAV terminals and heating devices on first floor and minimally renovated the basement systems. The basement has recently been revised to create police department work out spaces. The HVAC systems were minimally affected.

A modular air unit installed in a basement mechanical room serves the entire building. The system has filtration, heating coil, and a refrigerant cooling coil which serves an outdoor condensing unit. The condensing unit was replaced about two years ago according to maintenance staff. The air unit mechanical room is very cramped. The air unit is past its expected useful life. Components are being maintained and replaced as they fail, but due to the cramped conditions, maintenance is difficult and time consuming. Replacement of the unit will require an extended period of outage.

Due to the low structure clear height in the basement, the ductwork has been routed through the joist space and has been sized as medium pressure ductwork, which increases air velocity and noise. Grilles through the basement area are loud. The basement remodeling has left the some ductwork in a semi abandoned state. The main supply ducts are insulated with duct liner and the insulation has eroded slightly.

Exhaust ventilation for toilet rooms, janitor closets and other miscellaneous spaces is served by a variety of power roof ventilators and ceiling exhaust fans. The fans vary in age, size, and condition as they have been installed and replaced during the various remodeling projects.

A hot water boiler installed adjacent to the air unit serves the building heating requirements. The boiler appears to be original to the facility and was last inspected in 2013. The hot water pumps have been replaced and components on the boiler have been replaced as they have failed. The boiler is past its expected useful life. Piping and insulation is, in general, original to the building with some exceptions at the revised VAV terminals installed in 2000. Piping insulation is missing or in disrepair in a variety of locations and is missing in areas where maintenance staff has required access to the piping and system components and insulation was not replaced.

The controls are low voltage DDC. An operator terminal is located in the mechanical room.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	N/A	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air Unit			**H1**	Trane modular unit. Unit's exact age unknown, but appears to be at least 30 years old.
Housing	**CP**	$125,000	**H1**	Maintenance staff has kept unit operating, well past expected useful life.
Condensing Unit	**N**			Carrier Unit model 38aks028, R-22
Air Intake	**C**			Area way to 6 feet above grade
Coils	**CP**	(incl)	**H1**	Hot water and refrigerant coils.
Fan	**CP**	(incl)	**H1**	15 HP, 11,000 CFM
Filters	**CP**	(incl)	**H1**	30%
Controls	**CP**	(incl)	**H1**	DDC, Valves have been replaced.
Ductwork	**HP**	$30,000	**H1**	Original except where replaced during projects. Medium pressure. Loud and leaky. Sealing and/or replacement required.
Insulation	**HP**	$2,000	**H1**	Duct liner is slightly eroded. Most piping insulation is in fair condition. Poor at AHU control valves.
Occupied Space Thermal Comfort	**HP**	$20,000	**H1**	Some VAV units do not have reheat coils, rooms can overcool.
Exhaust Fans			**H2**	
Toilet/locker Room Exhaust	**F**			Multiple fans. PRV, cabinet, centrifugal.
Exhaust Ductwork	**HP**	$12,000	**H2**	Mostly original. Minimal replacement during renovation projects. Lint/dust is coating the grilles and ductwork in the basement, less on first floor. Recommend cleaning, sealing, and rebalance.
Boiler System			**H3**	Unit's exact age unknown, but appears to be at least 30 years old.
Boilers	**CP**	$85,000	**H3**	Peerless, 630MBH input, 504 MBH output. Inspected 2013.
Pumps	**C**			Taco 1/3 HP, in-line pumps
Piping	**C**			Mix of copper and steel.
Pipe Insulation	**HP**	$5,000	**H3**	Insulation missing at a variety of locations. Poor condition around unit coils.
Room Terminal Units	**C**			Convectors, VAV, cabinet heaters.

Mechanical Room Ventilation	**D**	$10,000	**H4**	Elevator machinery room is not separate system. It is combined with other exhaust. Air unit/Boiler room is under negative pressure and will affect boiler operation.
Controls			**H5**	
DDC	**C**			Upgrade front end with major equipment replacement project.

NOTES:

H1. The unit is an indoor modular unit with hot water heating coil, refrigerant cooling coil and VAV control. The unit appears to be at least 30 years old, which exceeds the units expected useful life. The condensing unit was replaced approximately 2 years ago as the old one had failed. Maintenance staff has replaced components on this unit as they have failed, which has allowed the unit to maintain operation to this point. Eventually, corrosion, tube erosion, and metal fatigue will cause major failure of the coils and/or fans. The mechanical room is extremely tight and a replacement will require an extended period of downtime. A project to replace the air handling unit, possibly with an outdoor, on-grade unit is recommended.

The supply ducts are lined. Duct liner erodes overtime and this will lead to system inefficiency and condensation which will damage building material. It is recommended to seal the ductwork and install duct wrap insulation during renovation projects.

An older DDC control system controls the air unit and VAV controls. The system is operational but will require updating when the unit is replaced.

Some VAV terminals did not have reheat coils and temperature control is dependent on the room's load and terminals ability to shut-down. These units are primarily located in the basement, which has been revised to work-out space. The HVAC was not modified during the room revisions and the spaces were quite cool, when unoccupied. During the basement remodel, some ductwork was removed and left in a partially abandoned state. Some grilles were removed and the ductwork is left open to blow into the space, while other grilles remain and are quite noisy. A project to add reheat coils and modify the basement ductwork is recommended to improve occupant comfort and reduce noise levels.

H2. The building exhaust system is served by multiple fans of various sizes and types. The ages and conditions vary greatly as the units have been modified and replaced as necessary. Dust and lint build-up is prevalent at the lower level grilles and ducts. Air flow within these spaces appears diminished and can be attributed to older ductwork combined with the dirtying of the systems. Duct cleaning, taping and sealing, and air balancing are recommended.

H3. The boiler appears to be at least 30 years old. The boiler is 80% efficient. It was inspected in 2013 per a sticker on the unit. Pumps have been replaced. The staff did not indicate problems with the units at this time. The unit is turned off during the summer months, and its operational capability will not be known again until the 2015/2016 heating season. As the boiler has exceeded its expected useful life and new boilers will easily achieve 10-15% greater efficiency, a project to replace the boiler with a high efficiency condensing boiler is recommended.

Pipe insulation is missing or in disrepair in a variety of locations around the building. The insulation is especially poor around the air unit and boiler, where maintenance work has required the removal of the insulation and it was not repaired or replaced. It is recommended to insulate this piping and repair insulation during an air unit and/or boiler replacement project.

H4. The elevator machinery room is exhausted by a building general exhaust fan. Code requires independent systems to serve elevators. A fan dedicated to the elevator room is recommended to be installed.

The boiler room is under negative pressure. This can affect the boilers ability to operate and cause combustion fumes to enter the buildings ventilation system. An air unit replacement project or boiler replacement project will address this issue.

H5. Controls are low voltage DDC controls. The system will require upgrade when a major equipment replacement project occurs. Upgrades will allow this building to be monitored from a central location.



Air Unit



Air Unit



Supply Duct (Grille Removed)



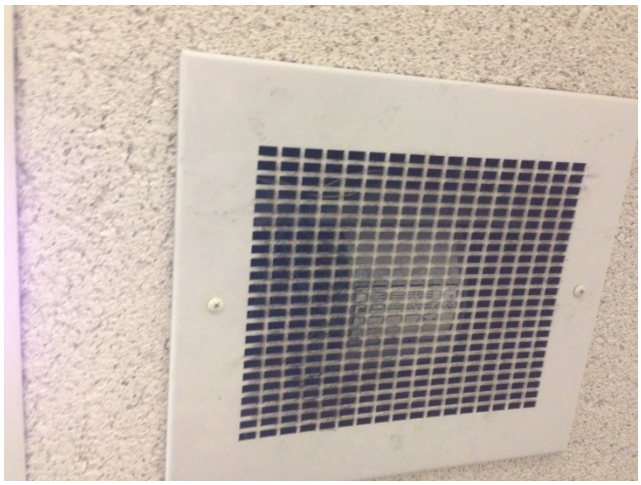
Open Ducts



VAV Terminal (No Reheat)



Older VAV Terminal



Cabinet Fan



Old Grille (Plugged)



Condensing Unit



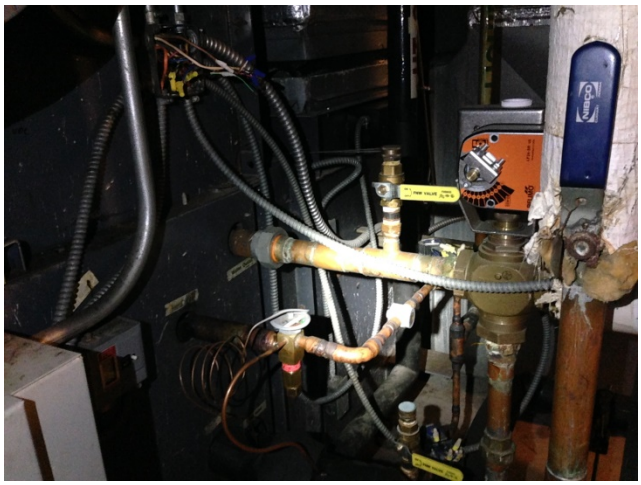
Refrigerant Piping



Good Insulation (Typical)



Poor Insulation (Typical)



Air Unit Coils



Boiler



Hot Water Pumps



Gas Meter



Area Way



Variable Frequency Drive



Electric Thermostat



Low Voltage Thermostat

ELECTRICAL SYSTEMS

Summary

The electric service is rated 600-Amps at 120/208-Volt, 3-Phase, and is fed underground from pole-mounted transformers located west of the building. The main distribution panel (MDP) is located in the basement. It was installed during a renovation project in 2000. There is a spare 4" conduit routed from the MDP to the CT cabinet located on the building's west elevation. The MDP was manufactured by Square D, is in good condition, and has a total of 19.5-inches of unused space available for new circuit breakers. New and replacement circuit breakers are still available. There are three branch circuit panels. Two were added with the 2000 project and are manufactured by Square D (type NQOD); the other is manufactured by Westinghouse. The Square D panels are in good condition. new and replacement parts are available for the Square D panels, however, Westinghouse no longer manufactures electric panel boards or circuit breakers. All circuit breaker positions in all branch circuit panelboards are occupied. Code required clearance is not maintained in front of the panel located in the utility room at the east end of the basement, plus storage in this room is obstructing access to the panel.

Interior lighting fixtures predominantly use T8 fluorescent lamps with electronic ballasts. Generally lighting fixtures appear to be in good condition. A few fixtures on the basement level are missing lenses or have sagging lenses. The majority of can fixtures or recessed downlight fixtures use compact fluorescent lamps. The courtroom includes 6 incandescent downlight fixtures; there are approximately a dozen incandescent downlights in one of the fitness rooms in the basement. Some downlights have been retrofit with self-ballasted compact fluorescent lamps. Two methods have been used to support 2x4 prismatic troffer lighting fixtures in the main fitness room of the basement – it is doubtful either method complies with the manufacturer's installation instructions. Method 1: four eye bolts are installed through a fixture's housing and these eye bolts support the fixture by resting on the building's structural steel members; method 2: two C-channels are attached to the top of a fixture and the C-channels support the fixture by resting on the building's structural steel members. Interior spaces are equipped with occupancy sensors or electronic timer switches that shut lighting OFF for energy conservation. Exterior lighting fixtures are soffit-mounted recessed HID (metal halide) controlled via a time clock.

Unit equipment or battery-packs are used for the emergency egress lighting; coverage does not comply with today's emergency egress illumination codes. Only one of the half dozen fixtures tested actually worked.

The building has a zoned fire alarm system whose control panel was reportedly replaced in 2014. The panel has 6 spare zones. Coverage with audible and audible/visual alarm (A/V alarm) devices is not code compliant. The elevator lobby smoke detector outside the basement elevator doors is located too close to the sidewall, and is not permanently fastened. This detector is mounted on a piece of 2x4 lumber spanning, but not fastened to the building's structural members. There is no evidence of a shunt-trip mechanism to automatically disconnect power to the elevator when sprinklers are activated in the elevator machine room and/or elevator shaft. A shunt-trip operation is required by code when the machine room and elevator shaft are protected by fire sprinklers.

In the basement a few electrical boxes are missing covers, and a couple of conduit runs are not supported properly. Code requires conduit be supported within 3-feet of a box and at intervals not exceeding 10 feet. Conduit penetrations through the east stairwell wall in the basement are not fire sealed.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Switchboard	C			Square D I-Line model is in good condition, and actively supported by the manufacturer
Distribution Panels	C			The Main Switchboard is also the Distribution Panel
Branch Panels	F	$7,500	E1	Replace the obsolete Westinghouse panel
Emergency Power Distribution Equipment				
Branch Panels	NA			There are no emergency branch panels
Lighting				
Atrium, Office Spaces, Conference Rooms and Corridors	C			Mixture of parabolic and prismatic lensed fixtures using T8 fluorescent lamps and electronic ballasts; fixtures are generally in good condition
Interior Downlights	F	$1,200	E2, E6	Consider replacing the A19 incandescent lamped and self-ballasted compact fluorescent lamped downlights with LED lamps.
Exterior Soffit Downlights	F	$1,200	E5, E6	Consider replacing HID lamped lighting fixtures in the exterior soffit with LED sourced fixtures
Mechanical Spaces, Storage Rooms, Utility Areas	C			Industrial fixtures using T8 fluorescent lamps and electronic ballasts
Lighting Controls				
Conference or Meeting Rooms	C			Occupancy sensors are used
Offices	C			Occupancy sensors are used
Toilet Rooms/ Small Storage Rooms	C			Occupancy sensors or electronic timer switches are used
Emergency Egress Lighting and Exit Signs				
Emergency Battery Packs and Exit Signs	D	$3,300	E3	Replace batteries; confirm lamps are good and fixtures work properly
Fire Alarm Devices				

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Horns and Horn/Strobes	CP	$8,000	E4	Install additional audible and audible/visual alarm devices.
Shunt-trip Mechanism	D	$7,500	E7	Install shunt-trip control on main power to elevator

NOTES:

E1. Availability of new and replacement parts will eventually become an issue for the obsolete Westinghouse panels.

E2. The A19 incandescent lamp is no longer manufactured and when supplier's current warehouse stocks are exhausted this lamp will no longer be offered for sale in the United States. Retrofitting the downlights with LED lamps will require changing the existing dimming switches as they are not compatible with LED sources.

E3. Keeping emergency egress lighting operational is important to limit liability exposure.

E4. When non-code required devices are voluntarily added to a fire alarm system, code requires the entire installation comply with code. There are several rooms without audible or audible/visual alarms.

E5. Since existing HID downlights utilize a medium base lamp socket they can be retrofit with medium base LED lamps. If retrofit, the HID ballast will need to be removed and the fixture rewired. Alternatively the entire fixture could be replaced. The Budget Cost listed reflects rewiring the fixture and retrofitting with LED screw-in lamps.

E6. Immediate reduced operational costs plus reduced future maintenance costs should be evaluated before investing in retrofitting fixtures.

E7. Code requires the power to the elevator be disconnected if fire sprinklers in the elevator machine room and/or elevator shaft are activated. Releasing water on energized electrical circuits could result in a passenger in the elevator being electrocuted.



MDP – with Room for Additional Circuit Breakers



Fire Alarm Control Panel with Spare Zones



Unit Equipment or Battery Pack



Electronic Timer Switch



Detector not Installed Properly at Basement Elevation



Non-compliant Method of Supporting Fixture



Opening through Wall Common with Stairwell



Conduit not Supported at Required Intervals

EVALUATION

OF

CITY-OWNED FACILITITES

FIRE STATION #1

August, 2015

FIRE DEPARTMENT

SUMMARY

Date of Visit: May 21, 2015
Address: 501 S. Washington Street

Building Description

The building, dating from 1929, is symmetrical about its north-south axis. It is mostly rectangular, with 4 chamfered corners, each of which features a door or window. Four overhead doors serving the apparatus bay face south. Exterior wall comprised of modular sized, wire-cut face brick, clay tile back up and a combination of cast stone and break-metal trim, ornamentation and copings. Windows are a variety of fixed and double-hung operable, vinyl-clad and aluminum extrusions, none of which original to the building.

The partial basement, which houses boiler and storage, has a concrete tile and joist ceiling, with board-formed concrete exterior foundation wall. Filler brick and filler tile is partially covered with plaster.

The first floor consists of a large apparatus bay at the center of the building, with additional office, bathrooms and storage rooms on either side. An intermediate floor level over the boiler room is accessed off the north side of the stair landing.

Second floor houses the majority of the Fire Department offices and training rooms. A central corridor extends from the top of the stair enclosure at the east to an office on the west side. The office includes an insulated metal door that leads to a fire escape stair and jump platform.

Code/Accessibility

The building is presumed to have complied with the code at the time it was built or remodeled. This evaluation is done with reference to the occupancy and construction type that current code would assess. For Fire Station #1, the partial basement and 1st floors are non-separated B-business and S-1 storage. 2nd floor is also B-business, with one room of residential that would be termed an incidental use, since it is less than 10% of the floor area.

The building does not meet most of the current accessibility requirements. As a historic building, additional accessibility modifications would not be required if they were technically infeasible, or where compliance would threaten the historic significance of the structure.

Accessible, lever door handles are suggested to make door operation quicker and easier for the building users. Modification to make one first floor toilet accessible is recommended.

Structural System

Overall, the concrete framed structure is in good condition. The structure consists of cast-in-place concrete floor slabs bearing on steel girders or load-bearing masonry walls and wood roof joists over steel girders or wood stud bearing walls.

Plumbing Systems

The original piping is in fair condition; it could be replaced as needed when issues arise. Insulation could be added to the hot water piping for energy savings. Building utilities in general appear adequate.

Code issues include lack of a thermostatic mixing valve and recirculating pump, discharge of the laundry unit, storage of oxygen cylinders, and the water main in an electrical closet.

HVAC Systems

First floor is not ventilated; it utilizes a thru-wall air conditioner for cooling and steam radiator for heat. The second floor office area is served by a 2007 packaged roof top air unit with gas fired heat. Zone thermostats and ventilation diffusers did not get modified during the latest renovation, which is exacerbating thermal discomfort issues. The toilet room exhaust systems are exhausting the spaces at rates below code minimum while other spaces have no exhaust. The combustion air for the generator is deficient.

Steam radiation units equipped with Danfoss valves for temperature control are located around the building perimeter. The pipe insulation is missing or has failed.

Apparatus room ventilation system was replaced in 1987 and consists of a make-up air unit, unit heater, and exhaust fan. The make-up air unit outside air duct is capped off. A truck exhaust system (PlymoVent) is connected to each truck and utilized to capture and expel exhaust fumes as trucks leave the building. The garage make-up air, exhaust air, and control system are deficient and cannot ventilate the garage at code minimum levels. A clothes dryer is vent terminates within the apparatus room.

Electrical Systems

The building is served by two utility services, a 200 Amp and a 100 Amp, 120/208 Volt, three phase. The panels are in good condition, but have limited future capacity. The emergency generator serving the building is in fair condition. An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads. The outlets within the garage are not GFCI protected. The fire alarm system includes stand-alone smoke detectors and carbon monoxide detectors throughout the building, which are in good condition.

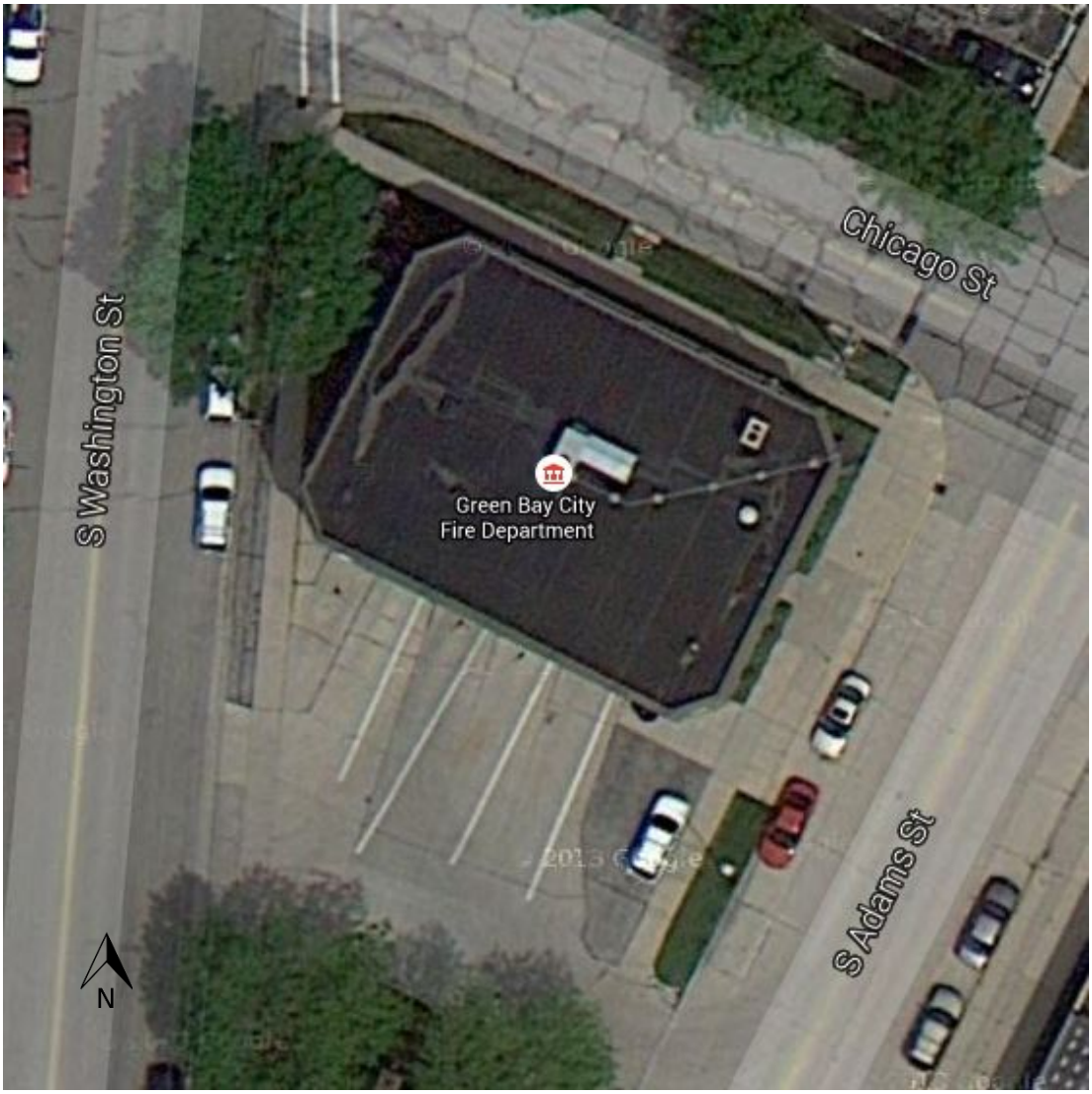
Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural			Roof condition	**$75,000**
			Carpet	**8,000**
			Clean adhesive from mosaic tile	**$1,000**
			Replace composite tile	**$4,000**
Architectural Subtotal				**$88,000**
Code/ADA			Accessible toilet	**$6,000**
Structural		Storage Room 7' above first floor		**$3,000**
Fire Protection				**NA**
Plumbing			Pipe insulation	**$20,000**
	Relocate water main			**$8,000**
	Recirculation pumps			**$6,000**
	Thermal mixing valve			**$6,000**
Plumbing Subtotal				**$40,000**
HVAC Systems			Air unit humidity	**$10,000**
	Occupied space ventilation (office)			**$8,000**
		Occupied space thermal comfort		**$10,000**
			Occupied space thermal comfort	**$90,000**
	Men's Room exhaust			**$3,000**
	Women's Room exhaust			**$3,000**
			Kitchen hood, fan and exhaust	**$25,000**
	Building exhaust ventilation			**$15,000**
		Boiler pumps		**$500**
	Boiler pipe insulation			**$10,000**
		Boiler room terminal units		**$3,000**
	Mechanical room ventilation			**$8,000**
			Garage heaters	**$20,000**

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
	Garage make-up air unit			**$40,000**
	Garage exhaust			**$15,000**
	Control garage ventilation			**$10,000**
			Toilet room exhaust	**$500**
			Storage room exhaust	**$500**
	Dryer exhaust			**$500**
HVAC Sub-total				**$272,000**
Electrical			Transfer switch	**$5,000**
			Branch panel	**$15,000**
	Power receptacles			**$1,000**
			Lighting controls: offices	**$3,000**
Electrical Sub-total				**24,000**
Building Total				**$378,000**



Aerial View of Site



Wisconsin Architecture & History Inventory

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County: **BROWN**	Record #: **37945**	Location: **501 S WASHINGTON ST**
City or Village: **GREEN BAY**	Town, Range, Section:	Quarter Sections:
Civil Town:	National Register Date:	State Register Date:
Unincorporated Community:		District:
Current Name: **Fire Station No. 1**	NR Multiple Property Name:	
Survey Map: **GB-ISM**	Historic Name: **Fire Dept. Station No. 1**	Wall Material: **Brick**
Map Code: **80/11**	Construction Date: **1928**	Structural System:
Survey Date: **1986**	Designer Name:	Other Buildings on Site?: **N**
Style or Form: **Neoclassical**		Cultural Affiliation:
Resource Type: **fire house**		Demolished Date:
View Additional Comments		

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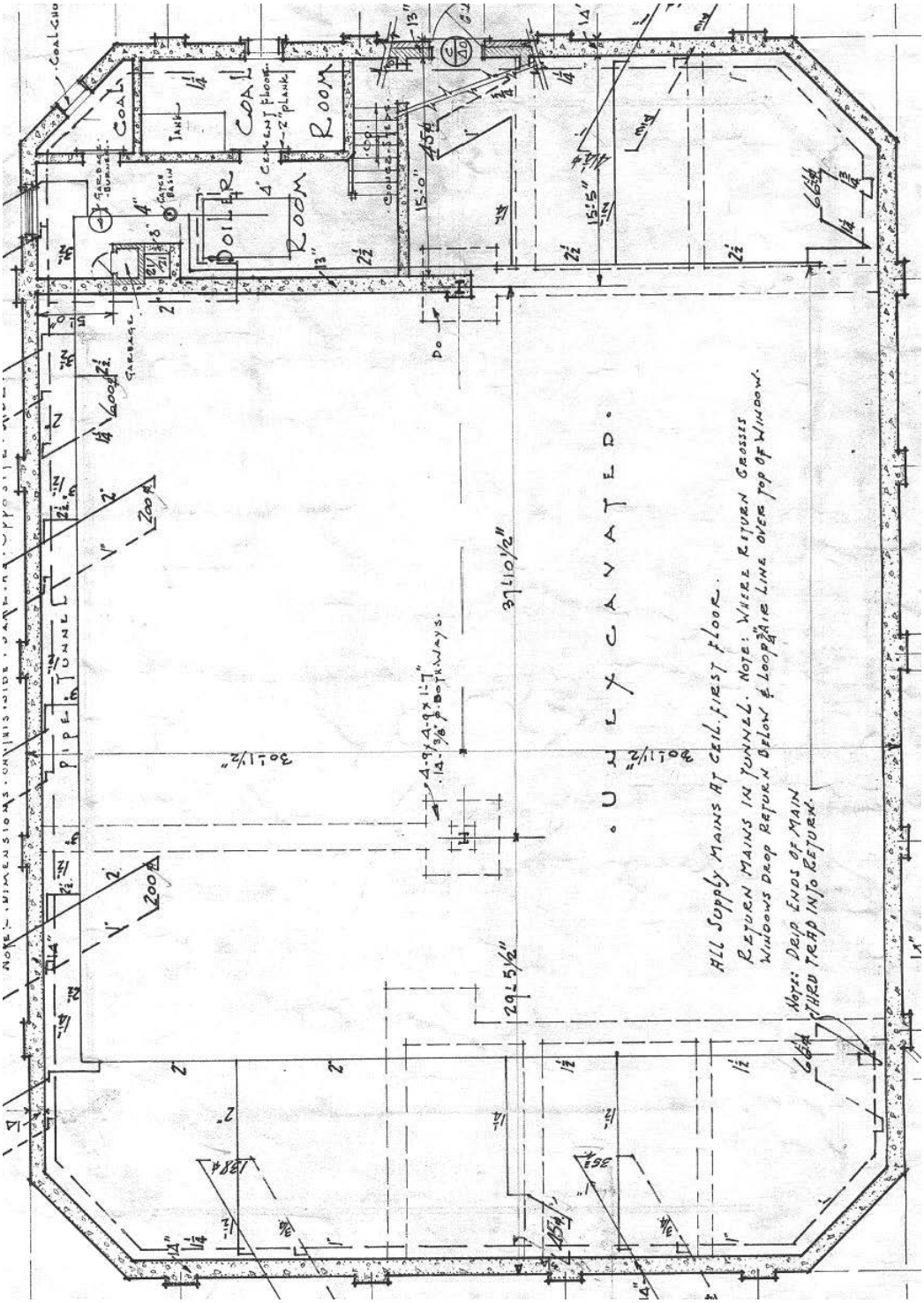
AHI: 37945

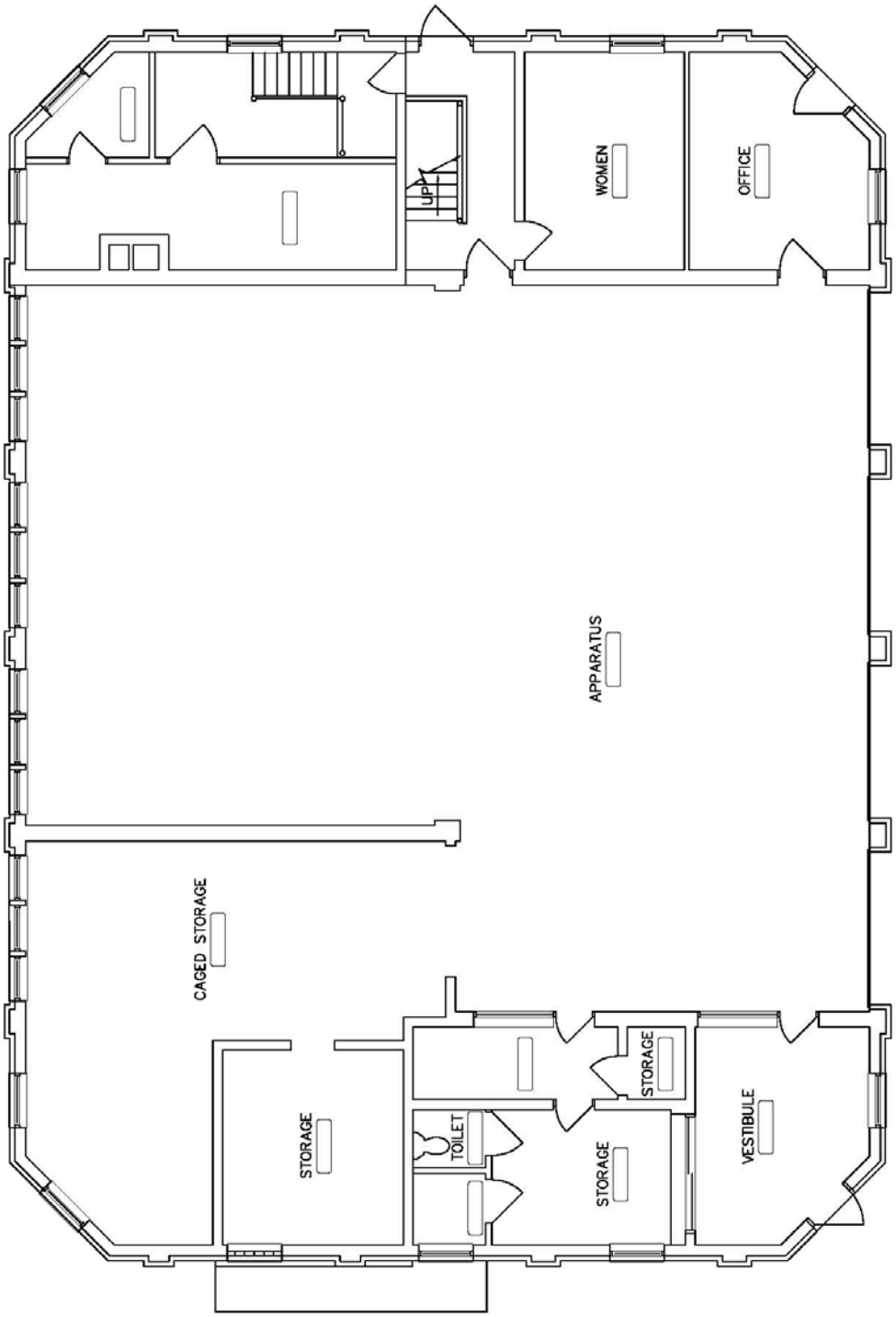
Additional Comments:

Fine fire house building designed in a late and somewhat abstract Neo-Classical Revival style. All front corners are canted and all four of the principal facades are pilastered. The pilasters have concrete capitals and support a wide concrete beltcourse which surrounds the building and serves as the second floor window lintel. Thinner concrete bands encircle the building at the foundation and water course level and also form the second floor window sills. A brick parapet rises above a wide concrete cornice band. All windows on the building have been replaced with modern energy efficient units with those on the first floor also having been reduced in size. Four large garage door openings are placed between the pilasters on the south facing or main facade. These doors have blind resurfaces segmental arches above with spandrels being filled with brick laid in a herringbone pattern.

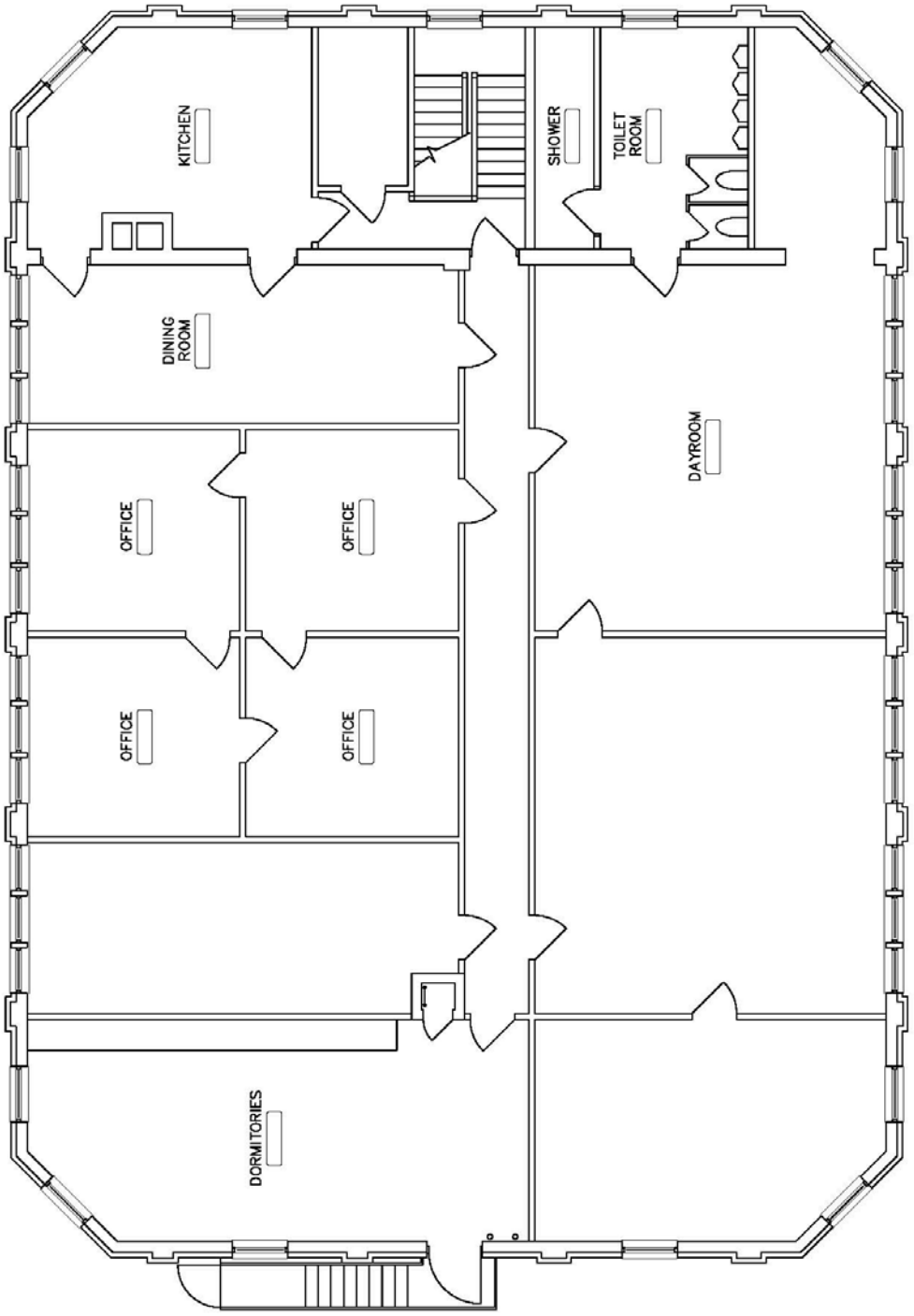
Bibliographic References:

(A) Sanborn-Perris Map Co, Inc. Fire Insurance Map of Green Bay, Wisconsin. New York, 1957. (B) Green Bay Press-Gazette, 7/14/1949.


COAL
COAL
ROOM
BOILER
ROOM
TUNNEL
PIPE
EXCAVATED.
ALL SUPPLY MAINS AT CEIL. FIRST FLOOR.
RETURN MAINS IN TUNNEL. NOTE: WHERE RETURN CROSSES
WINDOWS DROP RETURN BELOW & LOOP AIR LINE OVER TOP OF WINDOW.
NOTE: DRIP ENDS OF MAIN
THRU TRAP INTO RETURN.
37-10½"
29-5½"
30-1½"
30-1½"
15-0"
15-5"
45°
4-9"x4-9"x1-7"
14-3/8" P. BOTTOMWAYS.



Fire Station #1
First Floor Plan
No scale



Fire Station #1
Second Floor Plan
No scale

ARCHITECTURAL

Building Description

Originally constructed in 1929, Fire Station #1 is an active fire station, but is primarily used for Fire Department offices. Renovations to the building over the years have not altered its exterior form or size. Alterations include, but are not limited to the following:

- Interior alterations,1983
- Overhead door replaced, 1990
- A renovation was done in 2013 by the department to convert the building from fully staffed fire station to a single dormitory room and offices.

The building is symmetrical about its north-south axis. It is mostly rectangular, with 4 chamfered corners, each of which features a door or window. Four overhead doors serving the apparatus bay face south.

The partial basement, which houses boiler and storage, has a concrete tile and joist ceiling, with board-formed concrete exterior foundation wall. Filler brick and filler tile is partially covered with plaster. Areas of plaster have been removed for renovations over the years.

The first floor consists of a large apparatus bay at the center of the building, which is used for vehicle storage, with additional storage rooms, a small bathroom and storage rooms on the west side. A section of the apparatus bay to the north side has been gated off to segregate additional storage. The northern storage room includes a pull-down ladder to access a partial storage level. An opening was cut between the SW vestibule and the former storage closet at some time. The former closet has wood paneling on most walls. There is a 2" floor height difference through this passage, at the cased wall opening.

The east side of the first floor includes an office, women's toilet and locker room, entry, and access to the boiler room. The former locations of fire poles are visible by the plywood in-fill in the ceiling of the apparatus bay.

An intermediate floor level over the boiler room is accessed off the north side of the stair landing. It currently serves as storage for materials used in school and other presentations. Ceiling height is 6'-5" in this area.

Second floor houses the majority of the Fire Department offices and training rooms. A central corridor extends from the top of the stair enclosure at the east to an office on the west side. The office (Assistant Chief's Administrative Assistant) includes an insulated metal door that leads to a fire escape stair and jump platform. The east portion of the floor includes an office and the men's bathrooms to the south of the stair, and a recently renovated kitchen to the north of the stair. The former dining room, adjacent to the kitchen, is used as a conference room. Across the hall, on the south side of the corridor, the former day room is now used for training.

One bedroom is maintained at the station, between the training room and a call room on the south side of 2nd floor. Rooms on the north side of the central corridor are all offices. The former dormitory on the west end of 2nd floor has been converted to the Assistant Chief's office and his Administrative Assistant's office. Two of the remaining offices access the corridor directly, while the other four are accessed through one or two intervening offices.

Doors

There are three exterior doors at the station; the primary entrance door on the east side, one from a former vestibule at the southwest corner, and the other to an office at the southeast corner. The office has a screen door in addition to an exterior grade door at the door to the apparatus bay. The door from the vestibule to the apparatus bay is a newer hollow metal frame and insulated hollow metal door. Both door and frame are labeled fire rated, although exact rating could not be determined.

Throughout the facility there is a large diversity of door widths. See Code/Accessibility section for discussion of door widths in relation to access width required.

Building Envelope

Exterior walls

Exterior wall comprised of modular sized, wire-cut face brick, clay tile back up and a combination of cast stone and break-metal trim, ornamentation and copings. No insulation present and typically the interior face is direct applied plaster.

The overhead doors on the south elevation to the apparatus room are highlighted with arched, textured, stucco transoms and a helmet and shield emblem detail. Insulated overhead doors are (6) panel, (2) window variety; broken window noted.

Original face brick appeared in generally good condition including the mortar, but several through-bolt anchors and braces suggest previous masonry repair.

West elevation includes a steel emergency exit stair from the second floor office space. Stair terminates approximately 8'-0" above grade.

Lintels throughout the building are showing oxidation and age. Cleaning, repainting and sealant recommended.

Exterior as a whole collects a fair amount of what appears to be wind-driven coal dust from the nearby coal storage. Cleaning with low-pressure, non-chemical spray recommended.

Windows

Windows are a variety of fixed and double-hung operable, vinyl-clad and aluminum extrusions, none of which original to the building. The aluminum windows appear to be probably early 1980s vintage. Vinyl-clad windows are a relatively recent replacement of the aluminum operables on the south side.

The majority of the first floor fenestrations include a transom panel comprised of a variety of materials. Panels consist of break-metal, fluted panels, plywood and hollow metal. The plywood is very weathered and should be replaced. A fair amount of the transom panels include a penetration of one kind or another – venting, air conditioner units, electrical penetrations, etc. The northeast corner has a window in-filled with glass-block.

Sealant at perimeter of fenestrations appeared ruptured at spots and should be properly maintained.

Roof

Existing roofing is a fully adhered EPDM membrane, showing its age. Observed tenting at the perimeter; separating seams are prevalent; vegetation growing at debris collected at the low points; several post-roof-installation penetrations and various equipment mounts noted.

Leakage is probably occurring at the clamping flange on the eastern drain. Debris and staining at the low points of the insulation suggest ponding prior to reaching the roof drains. Coping at parapet has been replaced or covered with break-metal. It is in good condition.

Interior Finishes

Much of the building's original interior finishes appear to be in tact: terrazzo floors and coved bases in the bathrooms; ceramic mosaic tile at kitchen, showers, and west 1st floor areas; glazed tile at bathroom wainscot and kitchen walls over counters. Older, worn carpet is prevalent in offices, corridor and bedroom. The training room has a linoleum or sheet vinyl flooring. The 9" composite tile in electrical room at mid-level floor is likely to contain asbestos. When the tile is loose, or friable, asbestos could become airborne and pose a health risk. **Further evaluation by a qualified abatement professional is recommended.**

The finish on various wood items appear to date to the year of its installation, with attempts on newer wood trim and doors to match the color (if not size) of older trim.

Exterior walls and original interior walls are typically painted masonry or plaster. Bases are wood at original walls, and 6" high rubber at added or remodeled walls.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	HP	$75,000	n/a	
Exterior Facade Condition	F		A1	
Transom panels	F			Replace plywood. Repaint, seal.
Exterior Door Condition	F			
Window Condition	C			
Lintels	F			Clean, repaint, seal
Flooring				
Carpet	HP	$8,000	A4	Approximately 300 SY
Clean adhesive from mosaic tile	HP	$1,000	A2	
Terrazzo	C			
Replace composite tile	HP	$4,000	A3	

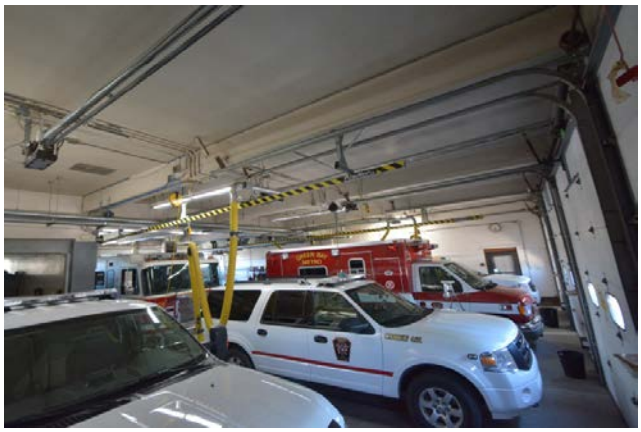
NOTES:

A1. Maintenance required on sealants and paint. Clean exterior with low-pressure, non-chemical based cleaner.

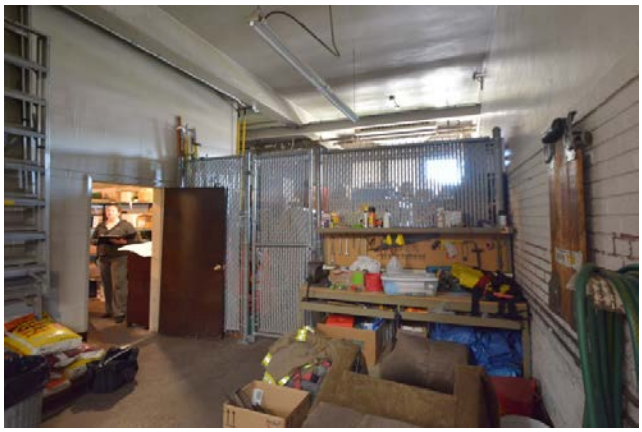
A2. Clean old carpet adhesive off tile at east side first floor storage room.

A3. 9" composite tile should be evaluated by a hazardous material professional for possible asbestos. Since its condition is leading to some cracking of tile, particles could become airborne and pose a health risk.

A4. Carpet replacement cost does not include cost to remove and dispose of existing carpet.



Apparatus Room



Caged Storage



Vestibule/Storage



Access to Toilet & Electrical Rooms



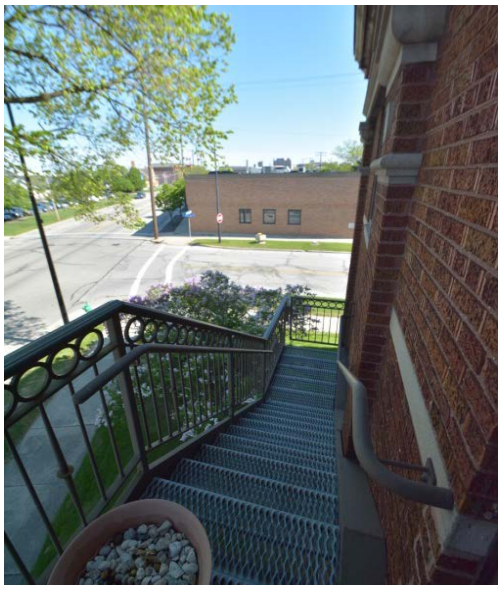
Kitchen



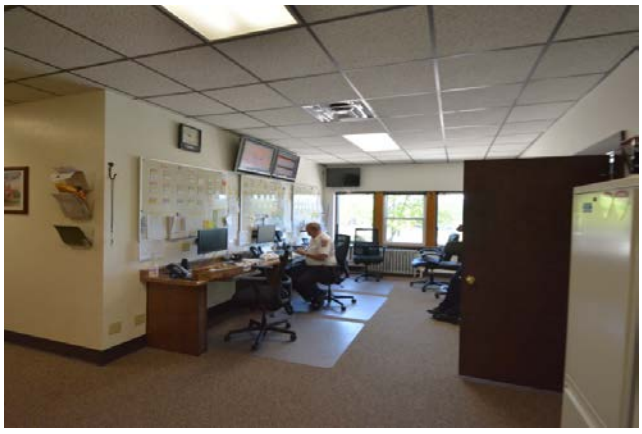
Training Room



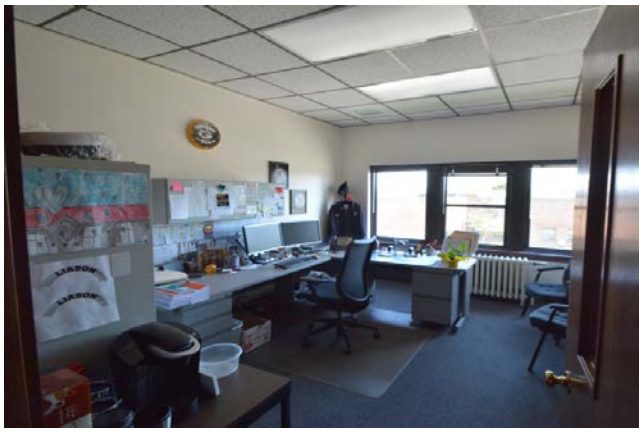
Top of Stair and 2nd Floor Hall



Exterior Stair and Jump Platform



Call Room



Typical Office



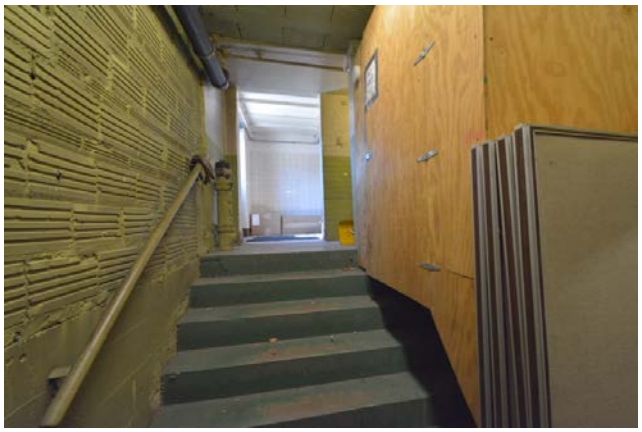
Roofing at Parapet



Roof Drainage



Bedroom



Basement and Foundation Wall



South Elevation



East and North Elevations

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Original building: **1929** Women's room remodeling: **2003**	**Gross Area**	4,955 SF floor plate 10,356 SF total
Occupancy Classification *(Chapter 3 of IBC)*	**S-1** Moderate-hazard Storage non-separated from **B** Business 2nd floor is **B** Business with **R-3** residential as incidental use		
Construction Type *(Chapter 6 IBC)*	1929 building code class of construction undetermined; probably "ordinary" IBC 2009 equivalent: Construction Type II-B		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

The Wisconsin building code in effect at the time of construction (1929) would have been the Wisconsin State Building Code as published in 1927. Although this code was not available to review, a code from 1931 was referenced. It should also be noted that Henry Foeller, who was the architect of the original building, was on the Building Code Advisory Committee that wrote the 1931 code.

The Wisconsin building code at the time would have placed this building in Chapter 6 Factory, Office and Mercantile Buildings. The classes of construction at the time were frame, ordinary, and mill construction, in increasing levels of fire protection. The building's materials would place it equivalent to Type II-B in the current IBC.

The current IBC does not specify fire stations as being Business occupancy, therefore the building occupancy may be determined more by usage of space. For Fire Station #1, the partial basement and 1st floors are non-separated B-business and S-1 storage. 2nd floor is also B-business, with one room of residential that would be termed an incidental use, since it is less than 10% of the floor area.

Egress and safety

First floor rooms west of the apparatus bay (CMS supplies, toilet room, electrical room and storage rooms) are currently too full of storage items to provide a safe route of egress out of the rooms. Even though minimally occupied, it is recommended that the egress from these rooms be addressed by relocating some storage items. An electrical room on the mid-level floor has the plumbing main in it; this is a code issue that should be addressed.

The second floor does not have a second route of egress that is internal. The exterior steel stair and jump platform, which were updated in 2008, are maintained to provide the second route.

Stair Shafts

The one stair shaft in the building has several other rooms opening off of it at various levels. Although current code would not allow this, the building is assumed to have complied with code at the time it was built. Even a renovation of the building would be unlikely to require this aspect to comply with current code, for two reasons. One is that there is no other way to access the mid-level room, so it would be deemed "technically infeasible". The second reason is that the age of the building would allow it to be reviewed under Chapter 11 of the IEBC, Historic Buildings. This chapter allows older, historic structures additional provisions to maintain their original configuration when undergoing renovations.

Handrails and Guardrails
There are few intermediate guards on the open sides of the one stair and top landing. Although this would not comply with current code, there is a provision in the Historic Buildings chapter of IEBC that may allow this to remain, even if a renovation is done. Current condition has one intermediate horizontal bar, of heavy pipe stock, and a metal newel post at each floor level or landing. The stairs themselves have edge protection. The size of guard openings are a safety hazard that could be addressed at this time, even though not mandated. If the building were converted to another use, the openings may need to be addressed.

Handrails are only provided on the inside run of the stair. Although the mid-level floor's door would conflict with some handrail, it would be possible to add a wall-mounted rail in other areas of the stair to improve safety.

Summary of Accessibility/ADA Compliance

While in other fire stations, it is acknowledged that persons using the building can only do their jobs if they do not have accessibility needs, in the case of this facility, general office staff does not meet those criteria. Thus if a remodeling or change of use is done to the building, accessibility may be an issue depending on the scope and extent of work being done. As a historic building, additional accessibility modifications would not be required if they were technically infeasible, or where compliance would threaten the historic significance of the structure. That said, certain upgrades, such as lever door handles, could be done that would make operation easier and quicker.

Accessible Route
Entry to the building for fire fighters/employees is at-grade at the east side of the building. A Women's toilet room is provided on the 1st floor, which is marginally accessible in space. The toilet does not meet accessibility requirements in terms of clear floor space or grab bars, although there is room to provide this if desired. The 3'x3' shower stall does not have accessible elements. Another at-grade toilet room on the west side of the apparatus bay is not accessible. See text above pertaining to egress route.

The remainder of functional spaces, with the exception of one office, are on upper levels and not accessible. All doors appear to be 36" wide. The main living/dining/kitchen space is adequate to provide turning space. There is no elevator to basement or 2nd floor, but as stated above, those who use the facility will not be in need of such accessibility.

Doors
Most doors in the building, both original and replaced/renovated openings, had knob handles, which are not accessible. Push/pull door hardware is considered accessible. Doors in the facility are of a variety of widths, ranging from 31 ½" to 40". The wood stop on the jambs brings the clear opening dimension an inch less than the door, which means many openings do not provide minimal accessible passage width of 32" clear.

Plumbing Fixtures
The kitchen counter and sink is at a height of 37 ¾", which is above the accessible height of 34" to rim. Sinks in the kitchen are in counters that are 36" high, as opposed to the 34" required for accessible height. All lavatories in the facility are mounted with the rim at or below ADA maximum height of 34". All are wall-hung units which comply with standard front-approach knee clearances.

A drinking fountain located in the training room has a spout height of 38". This complies with ADA 602.7 for standing height persons. A different water source with cups could be used to comply with the lower accessible height.

Toilets appear to be original to the time of original construction. They do not provide ADA clear floor space, nor compliant grab bars. One stall in the Men's room does provide side grab bars in a non-ADA size stall. In all but the west first floor toilet room, turning area is available in the toilet rooms. Modification to make one first floor toilet accessible is recommended.

Showers in both the Men's and Women's rest rooms are not accessible in the following ways:

- Threshold to enter (8" at Men's, standard stand-alone unit height at Women's)
- Opening width of 24" clear at Men's
- Unconventional configuration at Men's
- No grab bars, seats, or wand shower heads

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Stair shafts/circulation	NA		CA1	
Handrails/guardrails	C F		CA1 CA2	Additional wall-mounted handrail could be added.
Accessible route	F		CA3	1st floor only is accessible
Doors	C F		CA4	
Plumbing fixtures	F			See text above and Plumbing section
Accessible toilet	HP	$6,000		Creating 1 accessible toilet is recommended.
Electrical panel at mid-level	HP		CA5	Cost is listed under plumbing report

NOTES:

CA1. As an historic building (pre 1937), the shaft would not be required to comply with current codes.

CA2. The size of openings at sides of stairs does not comply with current code limits of 4 3/8". Although they may not be required to comply with current codes if renovated, it may be advisable for safety/liability reasons.

CA3. Removal of some storage items from first floor west rooms is recommended to provide safe egress from these rooms.

CA4. Lever handles would comply with accessibility codes and facilitate ease of use. Lever handles are code requirement for any new or renovated work.

CA5. An electrical room on the mid-level floor has the plumbing main in it; this is a code issue that should be addressed.



Kitchen Counters and Sink



Non-accessible Shower



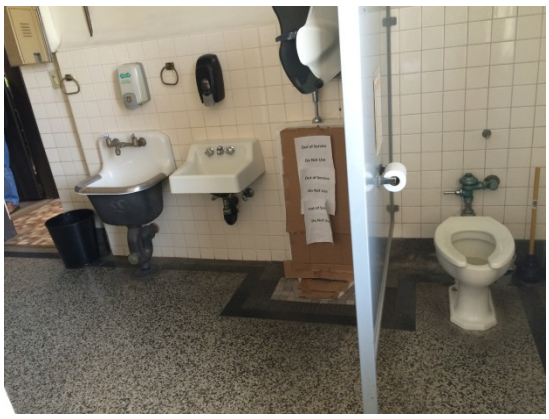
Stair Shaft



Men's Stall with Grab Bars



Men's Room Fixtures



Women's Room Fixtures

STRUCTURAL SYSTEM

Summary

The structure consists of cast-in-place concrete floor slabs bearing on steel girders or load-bearing masonry walls and wood roof joists over steel girders or wood stud bearing walls.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1929 (Berners-Schober Comm. No. 1262)
Structure type				
Foundations	**C**			Cast-in-place concrete foundation and/or basement walls bearing on individual spread or continuous strip footings.
Boiler Room/Generator 4' below First Floor	**C**		**S1**	Floor is a 4" concrete slab on grade with 6x6 - 6/6 welded wire mesh reinforcing.
1st Floor	**C**			Floor is a 6" concrete slab on grade with 6x6 - 10/10 welded wire mesh reinforcing.
Storage Room 7' above First Floor	**CP**	$3,000	**S2**	4"+2" Tile & Joist slab supported by load-bearing masonry walls
2nd Floor	**C**			4"+2" Tile & Joist slab supported on steel girders and load-bearing masonry walls
Roof	**C**			2x10 wood joists at 16" on center typical, supported by steel girders or 2x4 wood stud bearing walls.
Occupancy Category	**NA**			An active Fire Station would be Occupancy Category IV, however, the current office function of the building would be considered Occupancy Category II.
Construction Type	**NA**		**S3.**	Construction Type **II-B** (2-hour exterior bearing walls, 1-hour beams, columns & floor slabs, 0-hour roof)
Vertical expandability	**NA**			None.
Typical column spacing	**NA**			N/A

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There is a vertical crack in the east foundation wall of the room housing the generator. However, it does not extend into the brick wall above and the owner is not aware of any water infiltration through the crack. Therefore, no remedial action is recommended at this time.

S2. There are (5) concrete joists above the generator room that have exposed reinforcing bars. Although this condition has been present since the original construction, reinforcing bars in joists require a minimum of 3/4" of concrete cover to maintain a 2-hour fire resistance for the slab assembly. Recommend application of cementitious repair mortar to develop required cover to steel reinforcing.

S3. The 1985 publication "Fire Resistance Ratings" by Engineering and Safety Service (American Insurance Services Group) would have credited the plastered 2x10 roof system with a 1-hour rating which would have brought the current IBC Construction Type up to Type **II-A**.



Foundation Wall in Generator Room



Exposed Reinforcing in Joists above Generator

PLUMBING SYSTEMS

Summary

Fire Station #1 was constructed in approximately 1929. The original piping is in poor/fair condition, it has been replaced as needed when issues arise. Insulation could be added to the hot water piping for energy savings. A thermal mixing valve (TMV) and hot water recirculation pump (and piping) should be added to the system. These are code issues which need to be corrected. The location of the water main in the Electrical Closet is another code issue that should be addressed.

Building is served by (2) 4" roof drains. Roof has no secondary drainage or relief scuppers.

Plumbing fixtures in the 2nd floor men's toilet room are older and could be updated to conserve water. The 1st floor Women's toilet room was converted from a Men's and the urinal is still installed. Building utilities in general appear adequate.

This building is not equipped with an automatic fire sprinkler system. The exhaust hood in the kitchen should have an Ansul (or equal) kitchen suppression system installed.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	PVC & cast iron
Storm/Clearwater Piping	F		P3	Cast iron
Valves	F		P4	Gate & ball
Domestic Water Service	C		P5	2" main
Insulation	HP	$20,000	P6	Add insulation
Code Issues	D	$8,000	P7	Relocate water main
Equipment				
Domestic Water Heater	F		P8	Newer gas-fired
Drench shower station	NA			
Recirculation Pump(s)	D	$6,000	P9	Add pump (code issue)
Water Softener	NA			No water softener installed
Thermal Mixing Valve (TMV)	D	$6,000	P10	Add TMV (code issue)
Grease Interceptor	NA			No grease interceptor required.
Kitchen Equipment	F		P11	
Plumbing Fixtures	F		P12	

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Oxygen Storage	NA			
Backflow Prevention	C		P13	1 ½" hose connection
"Shop" air compressor	NA			HVAC pneumatics only
Laundry equipment	F		P14	
Drain tile sump/pump	NA			
Ambulance/Truck Garage	F		P15	Trench drain, garage catch basin
Exterior				
Storm Drainage, roof drains	F		P16	Discharge to street
Lawn Irrigation	NA			
Utilities	F		P17	

NOTES:

P1. Water piping is mainly copper, soldered joints. Fair condition. There is some original galvanized pipe in the boiler room. Kitchen sink on 2nd floor has PEX water piping installed.

P2. Original sanitary is cast iron. Some newer PVC piping in the boiler room and garage. Vent piping on the 2nd floor was replaced to cast iron no-hub connection. 4" vent on the roof is cracked. One studor vent in the garage vents the trench drain(s).

P3. Storm piping is cast iron hub & spigot. Piping is not insulated. Noise issue on the 2nd floor office area due to lack of insulation on the piping.

P4. Older valves are gate, newer valves are ball.

P5. Building is served by a 2" water main. 2" water meter with 3-valved by-pass in the boiler room.

P6. None of the water or storm piping is insulated. Insulation should be added for energy savings and to control noise issues.

P7. Code issues: water temperature is set at 119° Fahrenheit maximum temperature to be 110° Fahrenheit. No thermostatic mixing valve (TMV) at the heater. Add TMV per code. No recirculating pump at heater. Add recirculating pump. Hot water piping length exceeds 100'-0" per code. Water main is installed in the electrical closet and needs to be relocated.

P8. Water heater is gas fired, direct vent to chimney, AO Smith ProMax. Model FCG 75 300, 75 gallon, 75,000 BTU. Hot/cold water connection at the heater is 1". Piping is not insulated.

P9. Install hot water recirculation pump. Length of hot water piping exceeds 100'-0" per code. Hot water to 2nd floor kitchen sink exceeds 1 minute.

P10. Add TMV to water heater. Set hot water temperature to 110° Fahrenheit. Code issue.

P11. Kitchen equipment: 2 compartment sink with garbage disposal. No dishwasher. Water purifier on faucet.

P12. Plumbing fixtures: No ADA handicap fixtures in the building. 1st floor unisex toilet room has a tank-type WC, 15" rim aff. Lavatory outside the room is wall-hung, rim at 29" aff. Floor drain in the room. Women's toilet room on 1st floor is a converted Men's toilet room. Floor mounted urinal is still installed but not functioning. WC is floor mounted, 16" rim aff. 3.5 gpf valve. Lavatory is wall-hung, 30" rim aff. Mustee modular fiberglass shower unit with Moen shower valve. Room also has a janitors' sink.

The 2nd floor Men's toilet room has floor mounted WC's at 16" rim aff., 3.5 gpf valve. Lavatories are wall-hung, rim at 30 ½" rim aff. Urinal is floor mounted with Sloan Royal flush valve. Shower is built up tile unit with Delta shower valve. Piping has "hammering" and should have water hammer arrestors installed. There is an older version EWC in the meeting room, rim at 37" aff. Also a new version water bottle cooler in the dining room area is being used in lieu of the older EWC. Plumbing fixtures could be replaced with low flow and water conserving units. There are no exterior non-freeze water sill faucets on the building.

P13. There is a Watts 009 RPZ backflow in the boiler room for the HVAC boiler. 1 ½" hose connection in the garage has an elevated atmospheric vacuum breaker installed. Faucets with hose connection ends have a threaded hose end vacuum breaker installed. All backflow prevention is compliant.

P14. Residential washer (and dryer) installed in the garage area.

P15. Garage: trench drains which discharge to a garage catch basin.

P16. There are (2) 4" roof drains (east and west side of roof) which discharge separately to the street. Drains are in fair condition, have some issues with tree debris clogging the drains. There is no secondary roof drainage. Parapet relief drains could be added for secondary drainage. (Secondary drainage is now a code requirement but was probably not required in 1926 when the building was erected). Storm piping is not insulated.

P17. Building is served from a 2" water main. The main routes from South Adams Street. Sanitary sewer is 6". Main routes north to Chicago Street, exits the lower boiler room at 20" aff., gravity discharge. (2) 4" storm sewers route to South Washington and South Adams Streets –verify. Parking lot/drives are pitched and discharge to the adjacent streets – no internal drainage. Technically draining over the public sidewalk is not allowed.



Service Faucet - Garage



Sanitary Piping – Boiler Room



Sanitary Piping – Boiler Room



Piping to Kitchen Sink



Water Piping- Electrical Closet



Water Service, Water Meter with By-pass



Storm Piping, Sanitary Vent



Water Heater – Gas Fired



Water Heater Vent Piping



Hot/Cold Water Piping at Water Heater



Studor Vent - Garage



Water Main – Electrical Closet



Water Closet - Unisex



Water Closet – Women's



Sink, Lavatory, Urinal – Women's



Exposed Piping – Women's



Shower – Women's



Electric Water Cooler



Washer/Dryer Laundry Units



Kitchen Sink – Garbage Disposal



Water Closet – Men's



Urinal – Men's



Lavatory Sink – Men's



Shower – Men's



Roof Drain, Sanitary Vent



Sanitary Vent (cracked)



Garage Manhole/Separator



Garage Trench Drain

HVAC SYSTEMS

Summary

The building was original constructed in 1929. Multiple renovation and mechanical upgrade projects have taken place over the last 90 years. The upper level was renovated in 2012 to transition the living quarters into administrative office area.

The second floor office area is served by a 2007 packaged roof top air unit with gas fired heat. The air unit system provides either heated or cooled air to the living quarters and utilizes zone dampers to regulate air flow and provide a measure of individual room temperature control. Steam radiation units equipped with Danfoss valves for temperature control are located around the building perimeter. The manual control of the steam radiation units combined with automated zone damper control and varying occupancies and envelope orientations is creating some undesirable air unit zone temperature fluctuations and causing thermal discomfort. During the last remodeling project, partition walls were constructed, sub-dividing the thermal zones. The zone thermostats and ventilation diffusers did not get modified sufficiently thereby exacerbating the thermal discomfort issues.

A residential style humidifier is located in the facility's one sleeping room.

Toilet/shower rooms are ventilated by ceiling mounted fans. These fans are timer or light switch operated. Some storage rooms and closets that store paint and cleaning chemicals are not ventilated.

An electric heater is located in the womens toilet/shower to supplement the steam radiator unit.

The kitchen ventilation hood is served by a roof mounted exhaust fan. The hood appears to be and older type 1. The ductwork is constructed of galvanized sheet metal. A cook-top stove is located beneath the hood.

A low pressure steam boiler, installed in 2007, is located in the lower level mechanical room. Steam is distributed to the office area and the apparatus room heating units.

The air unit and zone VAV controls are low voltage. Apparatus room ventilators utilize pneumatic controls. The air compressor is located in lower level mechanical room.

The apparatus room ventilation system was replaced in 1987 and consists of a make-up air unit, unit heater, and exhaust fan. The make-up air unit outside air duct is capped off. The make-up air unit and exhaust fan were not operating and the building occupants did not believe these system are currently operated to ventilate the garage. The make-up air and exhaust fan were originally designed to operate via a 60 minute timer switch. A unit ventilator is located over the old machine shop area (now storage). A truck exhaust system (PlymoVent) is connected to each truck and utilized to capture and expel exhaust fumes as trucks leave the building. Additional vehicles and powered equipment are also stored in the garage.

Through-the-wall air conditioning units are located in a vestibule, Lieutenants office, and a storage room. The unit in the vestibule is abandoned (covered over with a blank off panel). Ceiling exhaust fans are located in the storage room and an abandoned toilet room off the west side of the apparatus rooms. These fans are timer switch operated.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air Unit			**H1**	Installed 2007. Trane roof top packaged YSC series, 10 ton cooling with gas heat.
Housing	**F**			
Air intake	**C**			
Condenser Fins	**C**			
Fan	**C**			4000 CFM, 3 HP
Filters	**C**			30% filters
Controls	**C**			Low voltage, zone dampers.
Ductwork	**C**		**H2**	Installed 2007. Not revised during last remodeling project. Rain cap over exterior ductwork.
Insulation	**C**			Duct liner in exterior ductwork.
Humidity	**HP**	$10,000	**H1**	Residential type unit. Manually filled. Humidification is not a code requirement.
Occupied Space Ventilation (Office)	**D**	$8,000	**H2**	No ventilation in first floor office.
Occupied Space Thermal Comfort	**CP**	$10,000	**H3**	Air unit zone thermostat and manual radiation control conflict. Air unit discharge temperature is affected. Zones are not split to serve rooms modified in last project.
	HP	$90,000		
Exhaust Fans				
Men's Room Exhaust	**D**	$3,000	**H4**	Ceiling mounted fan. Timer switch operated.
Women's Room Exhaust	**D**	$3,000	**H4**	Ceiling mounted fan. Light switch operated.
Ductwork	**C**			
Kitchen Hood, Fan and Ductwork	**HP**	$25,000	**H5**	Type 1 hood. Roof mounted fan discharges below 40" above the roof line. Galvanized ductwork.
Building Exhaust Ventilation	**D**	$15,000	**H6**	Rooms with chemical stored within them have no ventilation.
Boiler System	**C**		**H7**	Installed 2007
Boilers	**C**			Weil McLain, 787 MBH input, 634 MBH output Low Pressure steam
Pumps	**CP**	$500	**H7**	1/3 HP Simplex Condensate pump. Spare motor and seals next to pump.
Piping	**C**			New at boiler room. Mostly original

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
				throughout building.
Pipe Insulation	D	$10,000	H8	Most of the piping is bare and uninsulated throughout the boiler room and apparatus room. Damaged insulation in multiple exposed locations.
Room Terminal Units	CP	$3,000	H9	Radiators and fin tube with Danfoss Valves. Electric heater in the womens toilet.
Mechanical Room Ventilation	D	$8,000	H10	Damper for boiler combustion. No intake for generator combustion air. Gas meter regulator vent close to intake louver.
Controls				
Air Compressor	C		H11	Serves boiler room and apparatus room equipment.
Garage Ventilation			H12	
Heaters	HP	$20,000	H12	Steam unit heater and unit ventilator.
Make-up Air Unit	D	$40,000	H12	Outside air cut off. 1300 CFM, ½ HP motor.
Exhaust	D	$15,000	H12	1500 CFM, ½ HP fan motor
Truck Exhaust	C			PlymoVent.
Control	D	$10,000	H12	Pneumatic control. 60 minute timer switch.
Toilet Room Exhaust	HP	$500	H13	Ceiling mounted fan. Timer switch operated. 50 CFM. Installed 1983. Room appears abandoned.
Storage Room Exhaust	HP	$500	H13	Ceiling mounted fan. Timer switch operated. 100 CFM. Installed 1983
Dryer Exhaust	D	$500	H14	Terminates inside.

NOTES:

H1. The air unit is 8 year old. Expected useful life is 20 years. The air unit is a multi-zone system utilizing zone dampers to regulate individual room air flow. The unit has a master zone terminal to set the unit to heating or cooling mode. The zone dampers will adjust air flow to maintain space temperature based on a rooms heating or cooling requirements. When installed, this system was an economical way to provide some measure of individual room temperature control. In addition to the zone VAV units, perimeter rooms utilize fin tube or radiators for additional heat. When both systems are operational, the zone damper control can conflict with the radiation control and this causes variations in the air unit discharge temperature which will then affect heating and cooling throughout the office area.

A portable residential style humidifier is located in a sleeping room. This indicates that the occupant is attempting to regulate the building humidity to improve their comfort. This unit will actually improve humidity only slightly, but may have a greater psychological effect. This is because the air unit will introduce a greater amount of dry outside air than this unit can properly humidify. To humidify this building, it is recommended to install an electric or gas fired humidifier that is sized to serve the entire office space.

H2. During the last remodeling project, partition walls were constructed, sub-dividing the thermal zones. The zone thermostats and ventilation diffusers did not get modified sufficiently thereby exacerbating the thermal discomfort issues. To increase room comfort, it is recommended to install individual room reheat coils controlled in parallel with the room radiation devices through a single zone thermostat.

A first floor office uses a radiator for heat and a through wall air conditioner for cooling. There is no outside air ventilation for this room. Recommend extending the ductwork from the air unit system to this room to provide ventilation and to positively pressurize the room in relation to the apparatus room.

H3. There are many thermal comfort complaints with this building. Two estimates are indicated in the spreadsheet above. The first estimate is for revisions to the ductwork, dampers and thermostats to accommodate the previous office revisions and improve ventilation and thermal comfort with the system available. The second estimate is an increase to the first, to replace the zone dampers and manual radiation valves with VAV heating terminal units and automatic radiation valves to provide true individual room comfort control. A second less expensive option is to only replace the manual valves with automatic control valves.

H4. The mens toilet fan is ventilated with timer switch operated ceiling fan. The Women's toilet fan is interlocked with the rooms light switch. The type of fan and physical size indicate that they do not provide enough ventilation to properly exhaust the room. In addition, the number of toilet fixtures and showers require that the ventilation be continuous when the building is occupied. Replacement of the fans and interlocking them with the air unit operation is recommended.

H5. For stove top appliances, where grease vapors may be exhausted, a type 1 hood is required. This hood has a flat filter which is not allowed in newer hoods as grease can drip into the food being prepared. The ductwork is galvanized and not sealed liquid tight. In addition the exhaust fan does not discharge the code required distance above the roof. The building occupancy has changed slightly and indications are that the stove and exhaust system are rarely utilized, unlike the other 6 fire stations. A new type 1 hood equipped with a fire suppression system and vented with approved liquid tight ductwork is recommended if this stove continues to be utilized for cooking food that produces grease vapors.

H6. Inadequate exhaust in some toilet/locker spaces and there is no exhaust in the janitors room and storage rooms where chemical/cleaning supplies are stored. Fans where installed, are operated via timer or light switches. An exhaust system improvement project is recommended to improve building ventilation.

H7. The boiler system was replaced in 2007. The boiler is a low pressure steam boiler. The boiler was inspected in 2014. A condensate pump is located behind the boiler. The pump is beginning to leak. A spare motor and pump seals are stored next to the pump. It is recommended to repair the pump seals before the next heating season.

H8. There is very little pipe insulation installed on the building steam and condensate piping. Insulation was visible in some occupied areas and storage areas. Uninsulated piping is visible in the mechanical rooms and apparatus room, where the majority of the building piping is located. The bare piping radiates uncontrolled heat which will affect thermal comfort.

H9. The fin tube and radiator units are controlled with Danfoss valves. Some of the radiator units are covered with sheet metal covers to prevent physical contact. The unit in the Women's toilet is positioned poorly, the insulation is falling apart and the electric heater suggests is inadequate to maintain the space temperature.

H10. The mechanical room ventilation consists of an outside air louver covered with a damper. The ventilation damper opens when the boiler is firing. The louver is otherwise closed. There is no make-up air for the water heater combustion. This damper should remain partly open, even in the closed position to accommodate the water heat combustion needs. A generator is located outside of the mechanical room. If the fire door to the boiler room was shut, the generator combustion air would be shut-off. The intake louver is too close to the gas meter and its regulator. A project to provide combustion ventilation for the generator and pipe the gas regulator away from the intake louver is recommended.

H11. A small simplex fractional horsepower air compressor serves the building pneumatic control system. The building pneumatic controllers consist mainly of a few control valves on apparatus room equipment. The remainder of the control system (air unit, room terminal units, and boiler) is low voltage electric (DDC) controls. It is recommended that building improvement projects include the replacement of the pneumatic controls with low voltage devices. This will allow the removal of the air compressor.

H12. A steam unit heater and unit ventilator provide heat to the apparatus room. A make-up air unit and exhaust fan was installed in 1987. These units were originally operated by a manually operated timer switch. The building occupants indicated they believe these units to be abandoned. The exhaust duct has been cut back to a height of 8 feet (originally terminated at 18" above the floor). The exhaust should be extended to near the floor for best contaminant removal. The make-up air unit outside air intake has been capped off.

A PlymoVent exhaust system is connected to each truck parked in the garage. This system operates whenever a truck is started and the vehicle exhaust is expelled from the garage. The fan is mounted on the building exterior wall (outside) and terminates above the roof.

An enclosed garage has specific exhaust code requirements and the garage is required to have a negative pressure in relation to the living quarters. A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets 4 specific code provisions including the installation of a gas detection system. The PlymoVent truck exhaust system alone does not meet the ventilation requirements for an enclosed garage. A garage exhaust fan upgrade project to install new make-up fan, exhaust fan, ductwork, and control systems is necessary to improve garage ventilation and occupant safety.

H13. A laundry dryer is located in the apparatus garage. The dryer terminates inside the room. This termination allows warm, moist air to be vented directly into the garage. This vent should be terminated outside.



Roof Top Air Unit



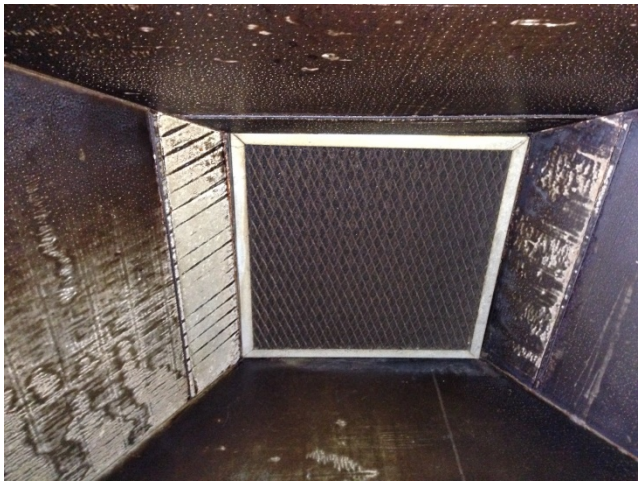
Roof Exhaust Hood



Ceiling Mount Fan (Typical)



Kitchen Exhaust Fan



Kitchen Hood (Inside View)



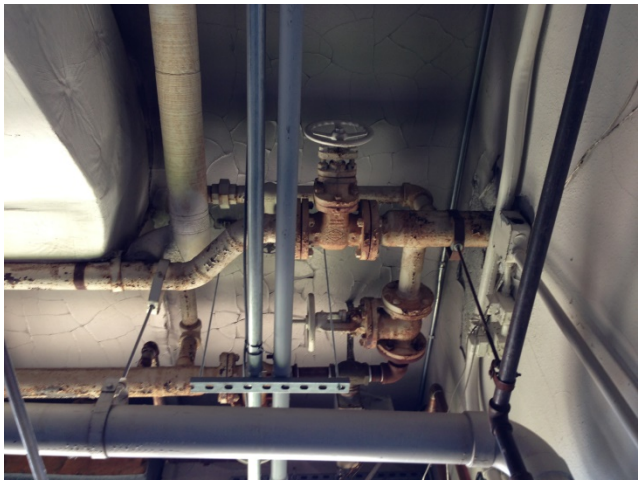
Boiler



Condensate Pump



Radiation Unit (Typical)



Uninsulated Pipe (Typical)



Poor Insulation Condition



Home Humidifier in Sleeping Room



Electric Heater in Womens Toilet



Wall Built Over Valve



Radiator at Women's Toilet



Supply Grille (Typical)



Destratification Fan



Temperature Control Air Compressor



Typical Thermostat (This one too close to fridge)



Exhaust Fan Manual Switch (Typical)



PlymoVent Control Panel



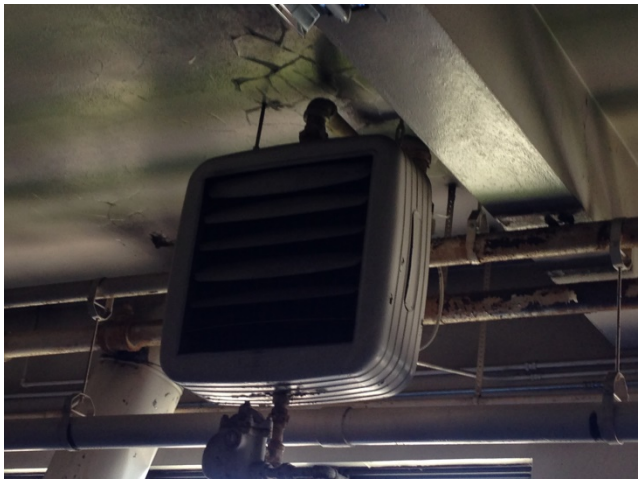
Unit Ventilator (Steam)



Through Wall Air Conditioner



Gas Meter (Intake Louver Out of Frame)



Steam Unit Heater (Bare Piping)



Make-up Air Unit



Hose Dryer Exhaust Vent to Outside



PlymoVent Fan



Laundry Dryer Vent

ELECTRICAL SYSTEMS

Summary

The building is served by two utility services, a 200 Amp and a 100 Amp, 120/208 Volt, three phase. The panels are in good condition, but have limited future capacity. The emergency generator serving the building is in fair condition. The emergency system is fed from a single transfer switch which feeds three separate small emergency panels. The panels are in fair condition, but have limited future capacity. An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads.

The outlets within the garage are not GFCI protected. Lighting fixtures are in good to fair condition and utilize T8 lamps and ballasts and compact fluorescent lamps. There are occupancy sensors located in the toilet rooms and in the conference room, but the facility should install occupancy sensors in offices, storage rooms and janitor's closets. Decorative compact fluorescent building mounted fixtures are in good condition; consideration should be given to replacing with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition and the facility is pulling Cat 5 data and voice cabling and coax for CATV. The fire alarm system includes stand-alone smoke detectors and carbon monoxide detectors throughout the building, which are in good condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Electrical Service				
Utility Service Entrance	C			Two overhead utility services, one 200 Amp, one 100 Amp enter the building on the north side into the 2nd floor electrical closet.
Normal Power Distribution Equipment				
Disconnect Switch	F			200A Bulldog Electric disconnect in fair condition.
Branch Panels	F	**$5,000**	E1	Two panels on 2nd floor, two panels on 1st floor. Bulldog Electric panel on 2nd floor in poor condition, Square D load centers in good condition.
Emergency Power Distribution Equipment				
Generator	F			10 KW Kohler natural gas generator in fair condition.
Transfer Switch	HP	**$5,000**	E2	Kohler 50 Amp ATS in fair condition.
Disconnect Switch	C			50A/2P Square D disconnect on incoming generator feed to the ATS in the boiler room in good condition.

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Branch Panel	HP	$15,000	E2	Three small Square D load centers in fair condition with limited future capacity. Mixed loads.
Power				
Receptacles	D	$1,000	E3	Garage outlets need to be GFCI. Outlets within 6' of sinks need to be GFCI.
Lighting				
Garage	C			Industrial fixtures with T-8 lamps in good condition.
Office spaces, conference rooms, and corridors	F	$2,000	E4	Recessed acrylic lens troffers with T-8 lamps in good to fair condition.
Sleep Rooms and Toilet Rooms	C			Recessed acrylic lens troffers in good condition.
Mechanical spaces, storage rooms, utility areas	F	$2,000	E4	Ceramic lamp holders with screw-in compact fluorescent lamps, surface mounted wraps and industrial strips with T-8 lamps, in fair condition.
Exterior	F	$5,000	E5	Decorative wall mounted fixtures are in good condition. Fixtures are using screw-in compact fluorescent lamps.
Lighting Controls				
Conference or Meeting Rooms	C		E6	Existing occupancy sensors
Offices	HP	$3,000	E6	Add occupancy sensors
Toilet Rooms/ Small Storage Rooms	F	$500	E6	Toilet rooms have occupancy sensors in good condition; add sensors in janitor and storage rooms.
Emergency Egress Lighting and Exit Signs				
Corridors	C			Fixtures connected to emergency panel.
Exit Signs	C			LED type in good condition.
Fire Alarm Devices				
Smoke Detectors	C			Stand-alone smoke and carbon monoxide detectors throughout the building.
Telecommunications				
Data/Voice	C			Cat 5 cabling
CATV	C			Coax

NOTES:

E1. Consideration should be given to replacing the existing Bulldog Electric panel that is in poor condition and will have limited parts available with a new panel.

E2. Recommend providing an additional automatic transfer switch and panel board to separate the critical and equipment branch loads from the life safety loads. The existing panels have several circuits listed as "unknown". These circuits should be traced and identified to get a better idea of available capacity.

E3. Replace all outlets located in the garage area with GFCI type device. Replace existing kitchen outlets with GFCI type device, unless they are currently protected from the adjacent GFCI outlet. If this is the case, the outlet should be labeled per NEC requirements.

E4. Consideration should be given to replacing older fixtures with new.

E5. Consider replacing fixtures with more efficient LED in the future.

E6. Occupancy sensors should be installed in the offices, storage rooms, and janitor's closets to provide additional energy savings. If areas are renovated, controls will be required to be updated to meet current energy code.



Electrical Utility Service Entrance



Electrical Utility Service Entrance



200A Service Entrance Meter and Disconnect



100A Service Entrance Meter and Disconnect



10 KW Generator



Emergency Feeder Disconnect and 50A ATS



Emergency Panel #3



Emergency Panel #1



Emergency Panel #2



Existing Panel Board



Existing Panel Board



Existing Load Center



Flagpole Light



Exterior Outlet



Garage Outlets



Kitchen Outlets



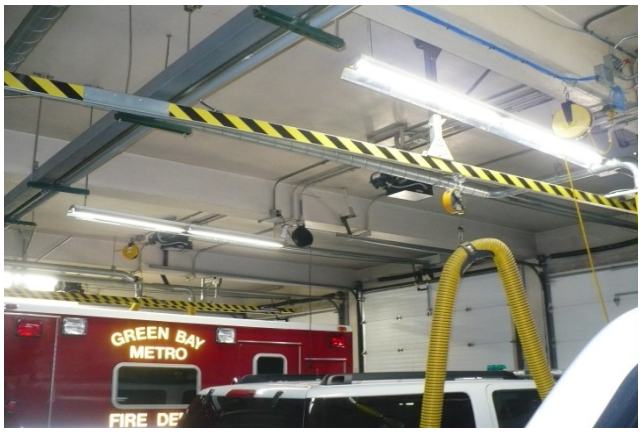
Typical Office Room Lighting



Stand-alone Smoke and Carbon Monoxide Detectors



Decorative Exterior Fixtures



Garage Lighting



Exit Sign



Typical Garage Door Controllers

EVALUATION

OF

CITY-OWNED FACILITITES

FIRE STATION #2

August, 2015

FIRE DEPARTMENT

SUMMARY

Date of Visit: April 16, 2015
Address: 929 University Avenue

Building Description

Interior walls are primarily concrete block in the original building (1964) areas. A 2003 renovation to create a Women's Rest Room added one stud wall within existing space. Wood stud and gypsum board walls in the basement have been constructed to add a conference room, work shop, storage and work out space.

The primary building frame of structural precast concrete and precast concrete panels is exposed. Between precast elements, the exterior walls (original construction) are comprised of the following: uninsulated 12" masonry; 4" face brick and 8" concrete block with a header brick course, 16" on center. A recent re-roofing (completed April 2015) was comprised of ballasted EPDM membrane, aluminum trim and flashings. Facilities

Interior finishes are in fair to good condition. The majority are painted CMU or gypsum board. Kitchen and bath rooms have porcelain tile as either a full wall or wainscot. The apparatus bay and areas open to it have structural glazed tile to a height of 8'- 8" with painted CMU or exposed concrete above.

Floors are concrete, ceramic mosaic tile, quarry tile and 9" composite tile. The composite tile may contain asbestos and should be evaluated, as it is friable and chipping in areas. If the asbestos becomes airborne, it poses a health risk.

Code/Accessibility

The building is presumed to have complied with the code at the time it was built. One code issue that should be addressed is the removal of storage from the stair shafts.

The building does not meet most of the current accessibility requirements, but it is acknowledged that persons using this facility can only do their job if they do not have accessibility needs. Accessible, lever door handles are suggested to make door operation quicker and easier for the building users.

Structural System

Overall, the concrete framed structure is in good condition. Remedial actions are recommended for the repair of spalling concrete at the exterior faces of five columns and one beam. See additional notes in structural section.

Plumbing Systems

The original piping is in fair condition; it could be replaced as needed when issues arise. Insulation could be added to the hot water piping for energy savings. Code issues include lack of thermostatic mixing valve and recirculating pump, discharge of laundry unit, and storage of the oxygen cylinders. The building is not equipped with an automatic fire sprinkler system.

HVAC Systems

The building's HVAC systems are split into two sections: the living quarters and the truck storage garage. The original ventilation and heating systems have been replaced. The basement has inadequate ventilation, even with some natural ventilation available from operable windows. The apparatus bay/garage has inadequate exhaust ventilation and no gas detection system.

Electrical Systems

Most electrical systems serving the building are in fair to good condition. An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads. Other minor repairs and upgrades are recommended.

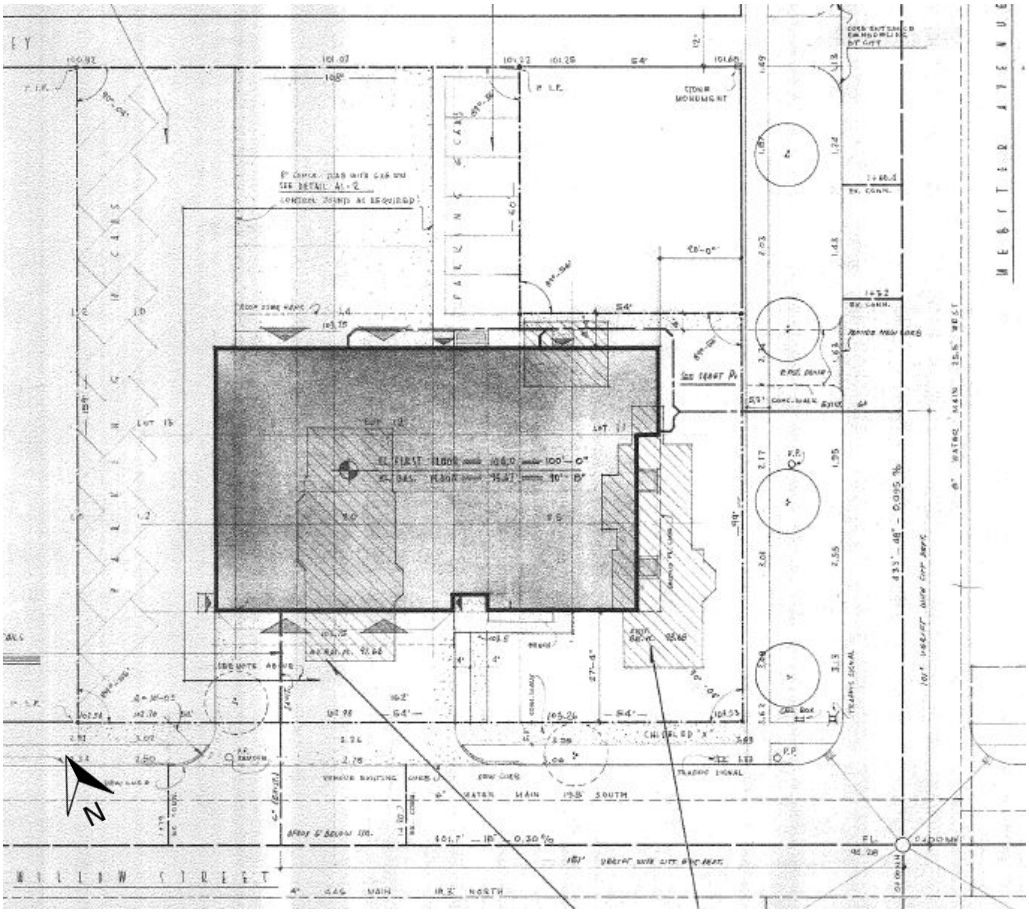
Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural			Composite Tile	**$4,000**
Code/ADA	Relocate storage in stair shafts			**No cost**
	Oxygen storage			**$4,000**
Structural		Spalling concrete columns and beam		**$30,000**
Fire Protection				**NA**
Plumbing			Insulation	**$5,000**
	Recirculation pump(s)			**$6,000**
	Thermal mixing valve			**$6,000**
Plumbing Subtotal				**$17,000**
HVAC Systems	Air intake			**$500**
			Humidity	**$10,000**
	Occupied space ventilation (Basement)			**$35,000**
			Occupied space thermal comfort	**$48,000**
			General exhaust fan	**$500**
			Men's room exhaust fan	**$500**
			Kitchen hood fan	**$25,000**
		Clean ductwork		**$7,000**
	Additional building ventilation			**$15,000**
		Pipe insulation		**$5,000**
	Garage exhaust			**$30,000**
			Control	**$10,000**
HVAC Subtotal				**$186,500**
Electrical			Transfer switch	**$5,000**
			Branch panel	**$10,000**
	Power receptacles			**$1,000**
			Lighting controls: meeting rooms	**$1,000**
			Lighting controls: offices	**$1,000**

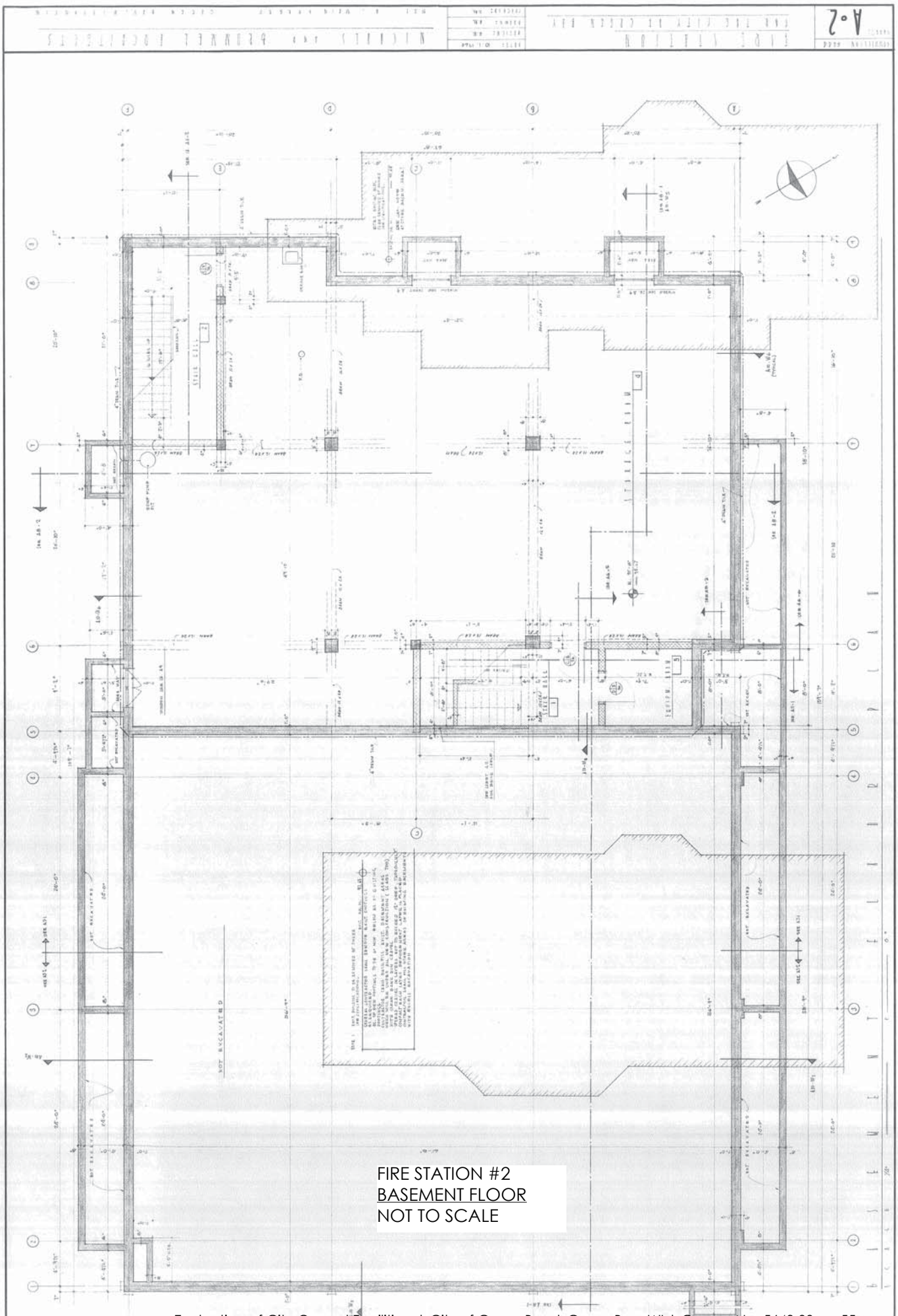
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
			Smoke detectors	**$200**
Electrical Subtotal				**$18,200**
Building Total				**$259,200**



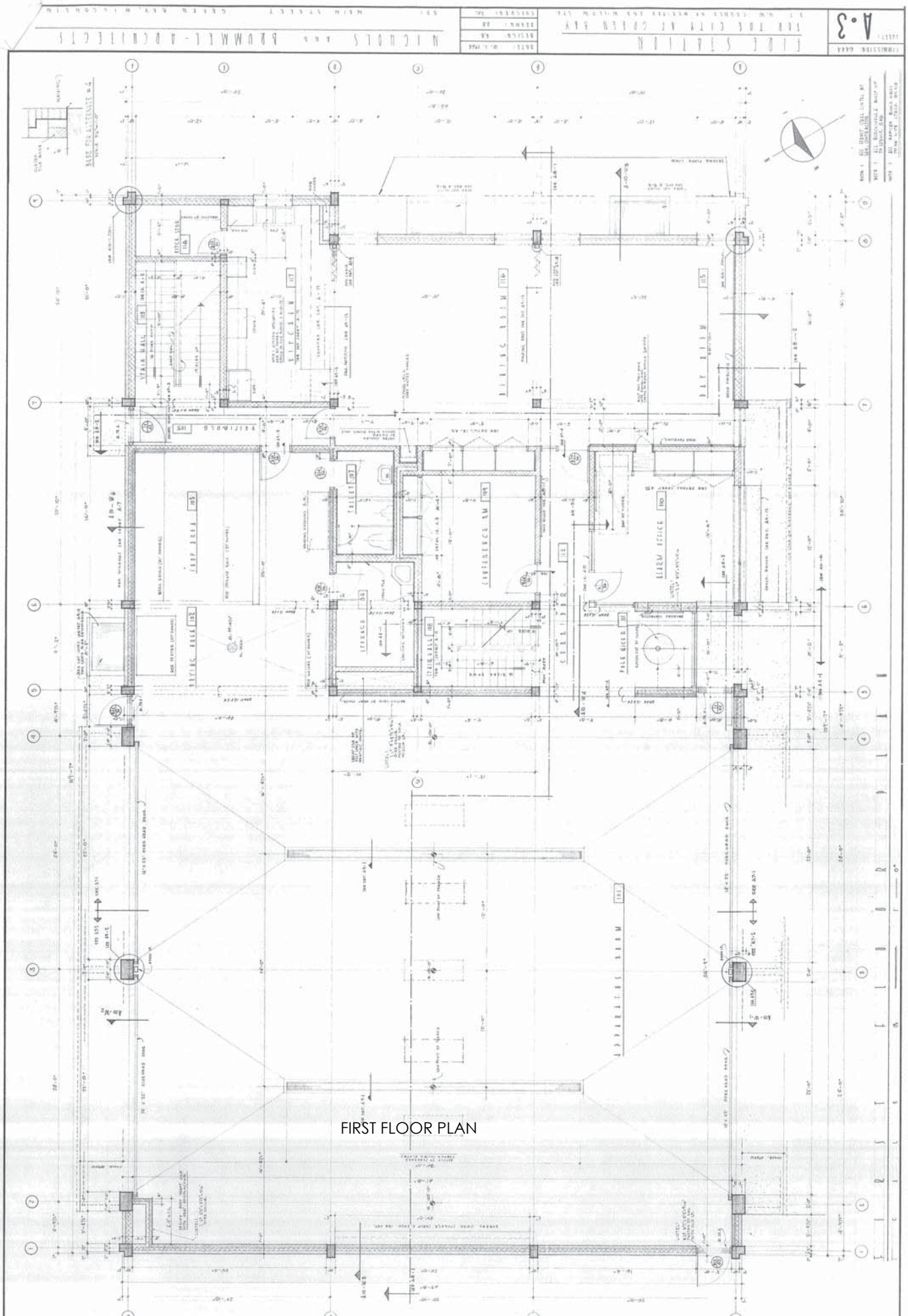
Site Plan



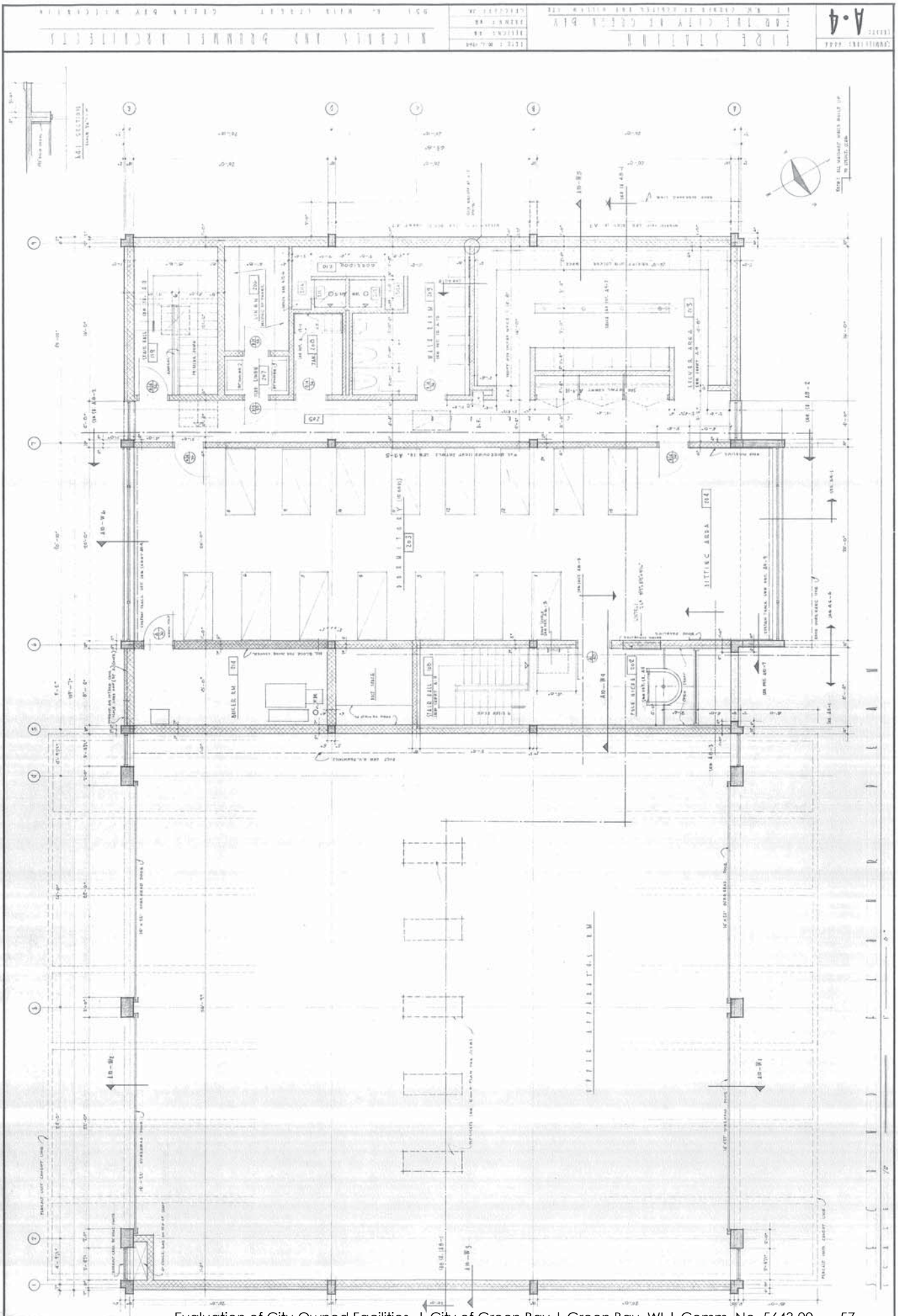
Aerial view of site



FIRE STATION #2
BASEMENT FLOOR
NOT TO SCALE



FIRST FLOOR PLAN



ARCHITECTURAL

Building Description

Fire Station #2 consists of a large apparatus bay on the west side of the building and the work/living quarters for the fire fighters on the east side. First floor living quarters include a living room, dining room, and recently updated kitchen. A TV room, laundry and toilet room are accessed off the apparatus room. The 1st floor also includes a call room/office on the south wall, and the captain's bedroom across the hall from it, which have been recently switched from the original room designations. The 2nd floor includes the dormitory, Men's and Women's toilet rooms and showers, a locker room, janitor room and mechanical rooms.

Interior walls are primarily concrete block in the original building (1964) areas. A 2003 renovation to create a Women's Rest Room added one stud wall within existing space. Wood stud and gypsum board walls in the basement have been constructed to add a conference room, work shop, storage and work out space.

Doors

Doors dating from the original construction are showing wear on some of the veneers, especially at Men's Rest Room. Doors in the basement build-out areas (conference room and storage) are residential grade, hollow-core doors.

Overhead doors at the apparatus room have been replaced with insulated sectional doors. The department has had a history of problems with remote operation of the door openers. Further investigation is needed on this issue.

Windows

Exterior windows at the living and office quarters were replaced circa 2008 with extruded aluminum fixed and operable frames. On the second floor, some of the units are operable hoppers, providing fresh air to the dormitory, central corridor and Men's room. The basement workshop area has in-swinging casement aluminum windows that face a window well. They are sized to provide egress and/or fresh-air.

The area between single-T concrete joists at the apparatus bays are glazed with tinted glass, original to the building. Several are cracked, and held together with duct tape.

Building Envelope

Exterior walls

The primary building frame of structural precast concrete and precast concrete panels is exposed. Between precast elements, the exterior walls (original construction) are comprised of the following: uninsulated 12" masonry; 4" face brick and 8" concrete block with a header brick course, 16" on center.

Where the 2nd floor overhangs the first floor at east side of the building, the exposed underside of occupied second floor appears uninsulated. Adding insulation to an existing structure in areas where it was not originally designed is not recommended.

Roof

A recently completed re-roofing was comprised of ballasted EPDM membrane, aluminum trim and flashings. General maintenance is recommended to keep membrane in good condition long term.

Interior Finishes

Walls

Interior walls are painted concrete masonry units (CMU) throughout the majority of the original building. The living room has a wood paneled wall on two walls. The dormitory area has painted CMU walls with approximately 5'-0" high fabric-covered cubicle partitions separating each personal space.

Toilet rooms, kitchen and janitor room have porcelain tile as either a full wall or a wainscot. The more recent Women's Room has only painted CMU in the toilet room. The shower enclosures for both Men's and Women's rooms have full porcelain tile walls.

The TV area adjacent to and open to the apparatus bay has structural glazed tile walls.

Newer basement walls are painted gypsum board on wood studs.

The stair and corridor/vestibule between the apparatus bay and the living quarters has face brick and painted, exposed concrete columns.

Walls of the apparatus bay have structural glazed tile to a height of 8'-8", with painted CMU above.

Floors
Floors in unfinished basement areas, janitor and mechanical rooms, and rooms in or connected to the apparatus bay are sealed concrete. Stairs have diamond-patterned vinyl or rubber treads. Floors in toilet rooms and showers are ceramic mosaic tile. Quarry tile is used in the kitchen and janitor rooms.

Most other areas have a 9" composite tile that looks to be original to the building. Previous experience has shown these to be likely to contain asbestos, or to have had an asbestos adhesive. As long as the tiles stay in place, the asbestos is not an issue. However, in the basement, there are some areas of replaced composite tile and areas with missing pieces of tile. When the tile is loose, or friable, asbestos could become airborne and pose a health risk. **Further evaluation by a qualified abatement professional is recommended.**

Ceilings
Ceilings in most living and work areas are lay-in acoustic panels. Panel sizes are 2x2 at the 2nd floor locker area, and 2x4 at the 1st floor kitchen/dining/living rooms, and basement conference room.

Ceilings in Men's room, showers and janitor rooms are painted gypsum board. Ceilings in the 1st floor Men's Toilet and Women's room are washable 2x4 lay-in panels.

Ceilings at stairs and other spaces with exposed structure are painted.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	N		n/a	
Exterior Facade Condition	C		A1	
Exterior Door Condition	F		n/a	
Overhead door operators	F		A4	
Window Condition	C F		A2	
Floors				
Composite tile	HP	$4,000	A3	
Other floor products	C			
Stairwell	D	No cost		Remove storage items from stair shaft.

NOTES:

A1. Needs paint. Sealants were in good condition throughout. Annual inspection for ruptures, tears or shrinkage recommended.

A2. The glazed areas between single-T concrete joists should be replaced. Although only some are cracked, it would be better both for visual and thermal performance to replace all of the original glazing.

A3. 9" composite tile should be evaluated by a hazardous material professional for possible asbestos. Since its condition is leading to some cracking of tile, particles could become airborne and pose a health risk.

A4. The department has worked with American Overhead Door to try for better operation of the remote overhead door operators. It is difficult for the operators to get the signal through from one end of the ladder truck to the operators. Further research of this issue is required.



South and East Elevations



North and East Elevations



Underside of Overhanging 2nd Floor



Apparatus Room



Call Room/Office



TV Room



Kitchen



Living/Dining/Kitchen



Captain's Room



Conference Room



Workout Area



Men's Room



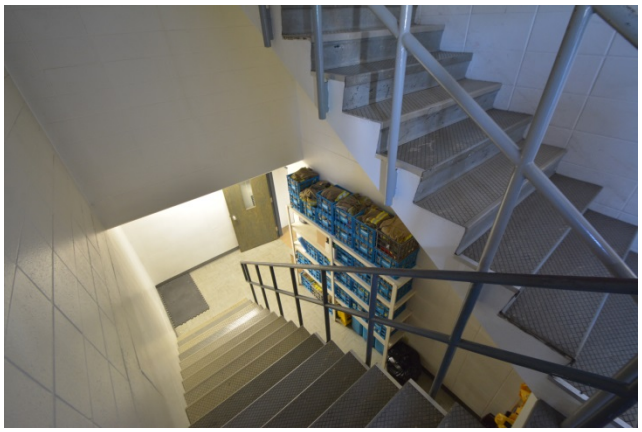
Men's Shower



Locker Room



Fire Pole (not used)



North Stair from 1st Floor



North Stair at Basement

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Original building: **1964** Women's room remodeling: **2003**	**Gross Area**	9,155 SF
Occupancy Classification *(Chapter 3 of IBC)*	**S-1** Moderate-hazard Storage non-separated from **B** Business 2nd floor is non-separated **R-3** residential		
Construction Type *(Chapter 6 IBC)*	Construction Type II-B		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

The Wisconsin building code at the time would have placed this building in the Wisconsin Commercial Code Chapter 54 Business. Its class of construction would likely have been Fire Resistive Type B, which is similar to IBC Type II-B.

The IBC does not specify fire stations as being Business occupancy, therefore the building occupancy may be determined more by usage of space. For Fire Station #2, the basement and 1st floors are non-separated B-business and S-1 storage. 2nd floor is R-3 residential, based on the definition of congregate living facilities as those where residents share bathroom and/or kitchen facilities.

Fire rated storage

Small oxygen tanks are currently stored in the hallway outside of the call room. These are required to be stored in a 1-hour rated space, either a room or rated cabinet. Since it is not a pre-existing construction issue, this should be addressed immediately.

Stair Shafts

The primary items in terms of code compliance for this facility would be fire rating of shafts within the building. The stair shafts at both north and south sides of the building connect all three levels, and are open to first floor. The south stair 2nd floor has a door and frame with a rating label attached, but listing of hourly rating was visible. Since only 1 hour rating would have been required, it likely complies. The north stair is similar, except that the label appears to have been removed from the door.

The basement level enclosure for both stairs has unrated doors and frames. A stair is allowed to be open to a maximum of two floors, thus verification of the rating of the 2nd floor openings would mean the stair shafts are compliant. IBC Section1009.6.3 states that any usable space must be separated from the stair shaft by a ceiling or soffit rated the same as the stair enclosure, and that the usable space must not be accessed from within the stair itself.

- **It is recommended that storage units and materials currently in the stairs be relocated to other areas in the building to comply with this code. Since this is not a pre-existing structural issue, it should be addressed at this time.**

Handrails and Guardrails
The existing handrails at stairs are approximately 34" above the toe of the stairs, which complies with current code. Guard rails at landings and other openings are approximately 41 ½" above floor level, which is ½" below current code minimum.

Current IBC 1013.3 limits openings in required guards (any area over 30" above adjacent grade) to not allow the passage of a 4" sphere. Both stairs have a single horizontal bar spanning the verticals and no toe kick, thus allowing large open areas at guards. Although presumed to comply at the time the building was constructed, this would not comply with current code. Any work on the stairs would require that these issues be brought into compliance with current codes.

One exception is the open area at and adjacent to the fireman's pole. These areas have been fitted with a metal grating panel across the entire opening (swinging/latching panel at pole) that has openings less than ½". The pole does not appear to be in current usage.

Summary of Accessibility/ADA Compliance

The following summary of accessibility is provided for owner reference, with the acknowledgement that persons using this building can only do their job if they do not have accessibility needs. That said, certain upgrades, such as lever door handles, could be done that would make operation easier and quicker. As noted above, accessibility may be mandated by code based on the extent of work being done.

Accessible Route
Entry to the building for fire fighters/employees is at-grade at the north side of the building, directly from the parking lot. A Men's toilet room is provided on the 1st floor. All doors appear to be 36" wide. The main living/dining/kitchen space is adequate to provide turning space.

There is no elevator to basement or 2nd floor, but as stated above, those who use the facility will not be in need of such accessibility.

Doors
In general, doors that date from the time of the original construction have knob handles, which are not accessible, and not as easy/fast to use. Doors added or changed as a result of various renovations over the years, such as the Women's rest room and the basement Conference Room, have lever handles.

Plumbing Fixtures
Sinks in the kitchen are in counters that are 36" high, as opposed to the 34" required for accessible height. There is room for side approach, however, which can be used to access sinks in certain cases.

A drinking fountain located in the dining room has a rim height of 33 ½". This appears to comply with ADA 602.4, which requires spout height to be 36" maximum above floor height. The niche in which it is located, however, does not provide adequate clear floor space for approach. Other sinks in the building can be used to comply with the requirement for standing persons' access.

Toilets installed at the time of original construction do not provide ADA clear floor space, nor grab bars, nor turning radii. The renovation which created the Women's room on the 2nd floor provided a toilet with grab bars that would have complied at the time they were installed. The room is large enough to provide a 5' turning radius as well, per the construction drawings. The radiant heater in the room impedes on the clear floor space required for the fixture to be considered accessible. There is no toilet in the basement, and no accessible toilet on the 1st floor.

Lavatories throughout the building are at heights varying from 32 ½" to 34 ¼". The lavatory in the Women's room is at 34 ¼". ADA 606.3 lists a 34" maximum, but again, it is debatable whether any of these items would be required to comply. The majority of lavatories do comply with the ADA listed height, and are wall-hung units, which typically comply with front-approach clearances.

Showers in both the Men's and Women's rest rooms are not accessible in the following ways:

- Threshold height of 4" outside, 3 ¼" from inside
- Opening width of 22 ¾"
- Stall size of 30 ½" x 41"
- No grab bars, seats, or wand shower heads

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Stair shafts/circulation	D		CA1	
Handrails/guardrails	C F		CA2	Opening sizes in guards
Accessible route	F			1st floor only is accessible
Doors	C F		CA3	
Plumbing fixtures	F			See text above
Oxygen tanks	D	$4,000	CA4	

NOTES:

CA1. It is recommended that storage units and materials currently in the stairs be relocated to other areas in the building to comply with this code. Since this is not a pre-existing structural issue, it should be addressed at this time.

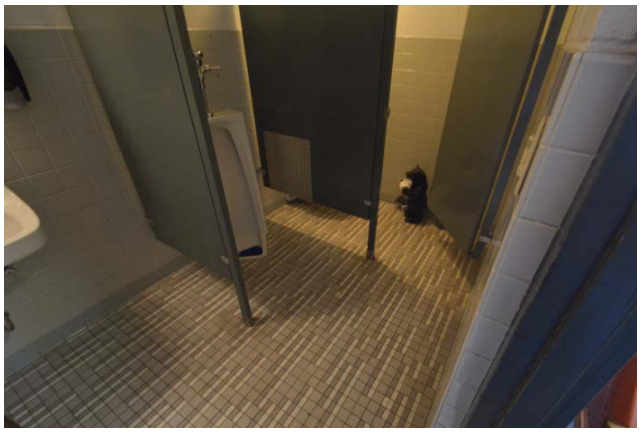
CA2. The size of openings at sides of stairs does not comply with current code limits of 4 3/8", nor does the lack of edge protection on stairs. Any work on the stairs would require that these issues be brought into compliance with current codes. If no work is done, the elements are deemed to be in compliance with code for the time they were constructed.

CA3. Lever handles would comply with accessibility codes and facilitate ease of use. Lever handles are code requirement for any new or renovated work.

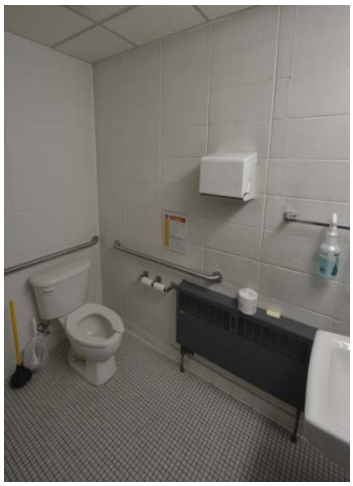
CA4. Costs would be to construct a closet within the building with UL rated walls and framed opening. Costs could range from $2,000 to $4,000 depending on location selected for closet and the surrounding existing walls.



Accessible Entry Door



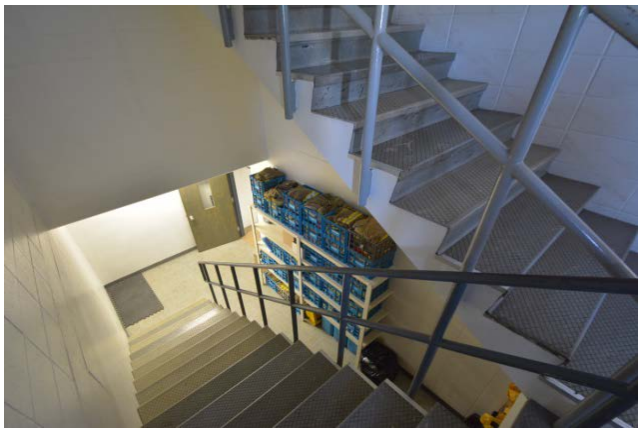
Non-accessible Toilet Room



Women's Toilet



Women's Toilet and Shower



Hand Rails at Stairs



Knob-style Door Handles at Captain's Room

STRUCTURAL SYSTEM

Summary

The structure is a frame of cast-in-place concrete beams and columns. The living quarters consists of cast-in-place concrete floor slabs at First and Second Floors and concrete roof slab. The apparatus bay is a two-story high space with precast pre-stressed concrete giant tees at the roof.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

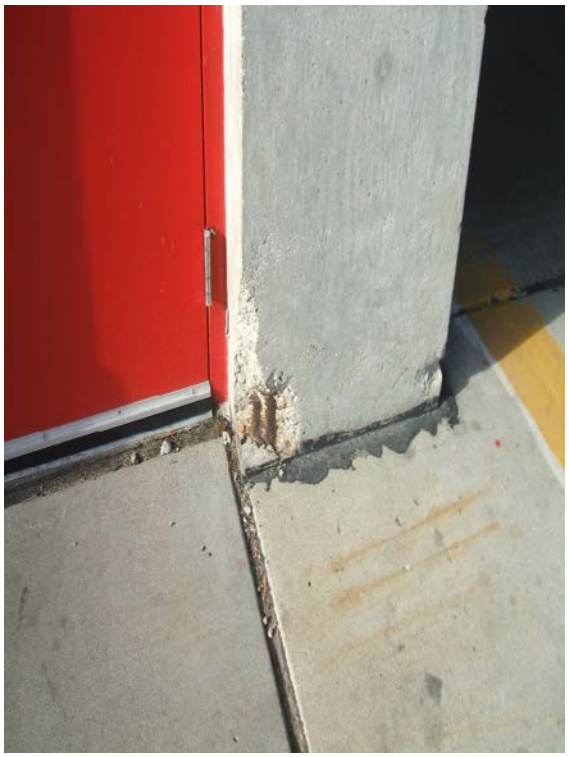
STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1964 (Nichols and Brummel Architects)
Structure type				
Foundations	C			Cast-in-place concrete foundation and/or basement walls bearing on individual spread or continuous strip footings.
Basement	C			Under east half of building only. Floor is a 4" concrete slab on grade with 6x6 - 6/6 welded wire mesh reinforcing.
1st Floor	C			a. West half (Apparatus Garage) is a 7" concrete slab on grade with 6x6 – 4/4 welded wire mesh reinforcing. b. East half (Work/Living quarters) is a 6"cast-in-place concrete 2-way flat slab with beams, supported on cast-in-place concrete columns.
2nd Floor	C			(Work/Living quarters) 6" cast-in-place concrete 2-way flat slab with beams, supported on cast-in-place concrete columns.
Roof	C			a. West half over garage has 36" deep precast pre-stressed concrete giant tees bearing on the cast-in-place concrete frame. b. East half over work/living quarters is a 5" cast-in-place concrete 2-way flat slab with beams, supported on cast-in-place concrete columns.
Occupancy Category	NA			Occupancy Category IV
Construction Type	NA			Construction Type **I-B** (2 hour beams, columns, floor slabs, 1 hour roof slab)
Vertical expandability	NA			None.
Typical column spacing	NA			Approximately 21'x21' in living quarters.

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Overall Structural Condition	**CP**	$30,000	**S1, S2**	The existing building is structurally sound, however, there are five concrete columns and one concrete beam with varying degrees of cracking/spalling that will need attention in the near future.

NOTES:

S1. Based on the reinforcing steel that is exposed where the concrete has spalled, it is evident that there has been ongoing water infiltration that has started to cause corrosion in the reinforcing steel. As this corrosion progresses, the cross section of the steel bars starts to increase and expand, which creates pressure against the concrete. As the pressure builds, cracks start to develop until there is sufficient pressure to cause a section of concrete to break away. While this is not currently a major structural concern, it does indicate ongoing deterioration that, if left unaddressed, will continue and eventually lead to loss of structural capacity in some of the members. At this stage of the deterioration, the typical remedial action would be to chip away any loose or cracked concrete from the damaged areas, sand blast any exposed reinforcing steel down to white metal, apply a corrosion-inhibitive primer/bonding agent, and install a cementitious patch material to restore the original column or beam cross sections. Additionally recommended at this time, would be to apply a penetrating, corrosion-inhibitive sealer to the exterior surfaces of all of the concrete columns in order to slow the progression of similar deterioration that has already begun but has not yet surfaced.

S2. The estimated cost of $30,000 is for the anticipated extent of repairs that will be necessary (approximately 40 man-hours at each of 6 locations). The actual extent will not be known until the repair process has started and the deteriorated concrete is removed. The estimate does not include any additional investigation required in determining when the acceptable limit of the concrete removal has been reached.



Concrete Column on North Elevation



Concrete Column at Southwest Corner



Concrete Column at Southwest Corner



Concrete Column between OH Doors on South Elevation



Concrete Column at University Avenue Entrance



Concrete Column at University Avenue Entrance



Concrete Column at University Avenue Entrance



Concrete Beam on South Elevation



Concrete Column at Northeast Corner

PLUMBING SYSTEMS

Summary

Fire Station #2 was constructed in 1964. The original piping is in fair condition; it could be replaced as needed when issues arise. Insulation could be added to the hot water piping for energy savings. A thermal mixing valve (TMV) and hot water recirculation pump (and piping) should be added to the system. These are code issues which should be corrected.

Another code issue is the storage of oxygen cylinders. The oxygen cylinders should be stored in a 1-hour fire rated room. The laundry unit waste discharge is not code compliant; it discharges to a janitors curb.

Plumbing fixtures in the 2nd floor men's toilet room are older and could be updated to conserve water. Fixtures in the women's toilet room are newer and are set up to be accessible; however there is no ADA access to the 2nd floor. Building utilities in general appear adequate.

This building is not equipped with an automatic fire sprinkler system. However the exhaust hood in the Kitchen should have an Ansul (or equal) kitchen suppression system installed.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	PVC & cast iron
Storm/Clearwater Piping	F		P3	Cast iron
Valves	F		P4	Gate & ball
Domestic Water Service	C		P5	2" main
Insulation	HP	$5,000	P6	Fiberglass & elastomeric. Asbestos-1964
Code Issues	D		P7	See below…
Equipment				
Domestic Water Heater	F		P8	Installed in 2007
Drench shower station	C		P9	TMV on wall
Recirculation Pump(s)	D	$6,000	P10	Add pump (code issue)
Water Softener	NA			No water softener installed
Thermal Mixing Valve (TMV)	D	$6,000	P11	Add TMV (code issue)
Grease Interceptor	NA			No grease interceptor required.
Kitchen Equipment	F		P12	
Plumbing Fixtures	F		P13	

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Oxygen Storage	D	See Code/ Access-ibility	P14	Small O2 cylinders
Backflow Prevention	C		P15	1 ½" hose connection
"Shop" air compressor	F		P16	
Laundry equipment	F		P17	
Drain tile sump/pump	F		P18	
Ambulance/Truck Garage	F		P19	Trench drain, garage catch basin
Exterior				
Storm Drainage	F		P20	Catch basin
Lawn Irrigation	NA			
Utilities	F		P21	

NOTES:

P1. Water piping is copper, soldered joints. Fair condition.

P2. Original sanitary is cast iron. Some PVC piping in the kitchen area. Sanitary piping in the basement is insulated with glass fiber insulation.

P3. Storm piping is cast iron. Piping on the upper floor is insulated with elastomeric insulation. Storm piping in the Ambulance garage is not insulated.

P4. Older valves are gate, newer valves are ball.

P5. Building is served by a 2" water main. 2" water meter with 3-valved by-pass in basement closet.

P6. Insulation is missing at the water heater. Some elastomeric insulation has been added to piping. Older original 1964 insulation probably contains asbestos and will require abatement. Asbestos abatement by owner – TBD.

P7. Code issues: water temperature is set at 119° Fahrenheit, maximum temperature to be 110° Fahrenheit. No thermal mixing valve (TMV) at the heater. Add TMV per code. No recirculating pump at heater. Add recirculating pump, hot water piping length exceeds 100'-0" per code. Laundry unit connections to the existing janitors curb is questionable. Oxygen cylinders should be stored in a 1-hour fire rated room.

P8. Water heater is gas fired, AO Smith Preferred, model BT 80-12, 74 gallon, 75,100 BTU. Installed in 2007. Hot water connection at heater is 1".

P9. Drench shower has a TMV on the east wall. Adjust temperature as required for tepid water.

P10. Install hot water recirculation pump. Length of hot water piping exceeds 100'-0" per code. Hot water to kitchen sink exceeded 3 minutes in timing.

P11. Add TMV to water heater. Set hot water temperature to 110° Fahrenheit. Code issue.

P12. Kitchen equipment: 2 compartment sink with garbage disposal. No dishwasher.

P13. Plumbing fixtures: Men's locker room – wall hung WC, Sloan Royal flush valve 3.5 gpf 18" aff. Lavatory-wall hung with back ledge faucet, 32" aff. Urinal, floor mounted with Sloan Regal flush valve. Single stall shower. Newer Women's toilet room had American standard 1.6 gpf, tank-type WC, wall hung lavatory, 34" aff. Safety covers installed. Single stall shower-Symmons valve. Single unit EWC-spout at 35" aff. Janitors' curb has a vacuum breaker on spout. Non-freeze sill faucets on east and north sides of building. Janitors' sink and floor drain in the basement drain to sump pit and discharge to storm sewer.

P14. Small oxygen cylinders are stored in a hallway – should be stored in a 1-hour rated room. Code issue.

P15. 1 ½" hose connection in the ambulance garage has a Watts 188A atmospheric vacuum breaker.

P16. New shop air compressor installed on the west wall of the ambulance garage.

P17. Milnor commercial laundry unit – gear Guardian 8 has PVC connection to an existing janitors' curb. Not a technically compliant connection, because it drains to a janitors curb.

P18. Drain tile sump and submersible pump in the basement. Check valve installed in pump discharge. Janitors sink and floor drain in the basement drain into this pit, in addition to the building drain tile. Sump/pump discharges to the exterior storm sewer. No high water alarm installed.

P19. Ambulance garage: trench drains and a garage catch basin installed.

P20. Parking lot pitches to a storm catch basin. Roof drains in fair condition, roofing material new in 2015.

P21. Building is served by a 2" water main from University Avenue. 6" sanitary discharges to University Avenue. Sanitary sewer main is 66" (above floor) in basement. Sanitary sewer has backwater valve installed (in the ambulance garage floor). 8" storm sewer discharges to Webster Avenue.



Water Piping – Boiler Room



Sanitary Piping, Insulated – Basement



Cast Iron Storm Piping



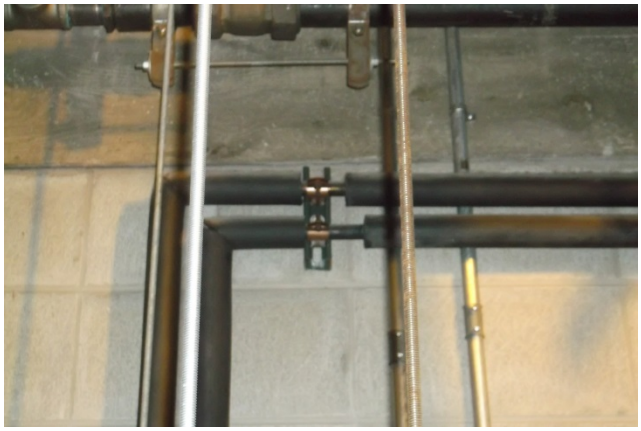
Cast Iron Storm Piping – Garage



Gate Valve at Water Heater



Water Service, Water Meter with By-pass



Water Piping – Elastomeric Insulation



Water Heater – Gas Fired



Emergency Drench Shower with TMV



2-Compartment Sink – Kitchen



Garbage Disposal at 2-Compartment Sink



Water Closet – Men's



Floor Urinal – Men's



Lavatory – Men's



Shower – Men's



Toilet – Women's



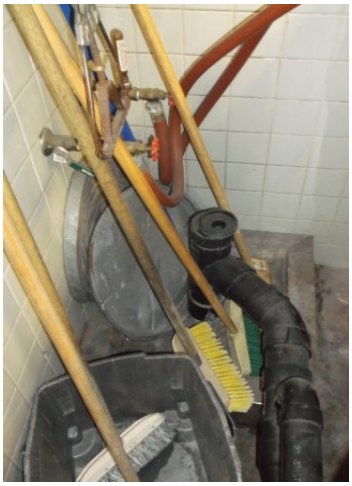
Lavatory – Women's



Electric Water Cooler



Commercial Laundry Unit



Laundry Unit Discharge



Oxygen Storage



"Shop" Air Compressor



Trench Drain – Garage



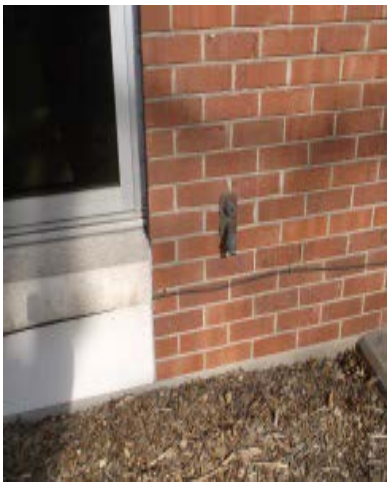
Oil Interceptor – Garage



Roof Drain



Parking Lot – Catch Basin



Non-freeze Sill Faucet



Drain Tile Sump Pump

HVAC SYSTEMS

Summary

The building was constructed in 1964-1965. The building's HVAC systems are split into two sections: the living quarters and the apparatus room/garage. The original ventilation and heating systems have been replaced.

The living quarters is served by a packaged roof top air unit with gas fired heat. The air unit system provides either heated or cooled air to the living quarters and utilizes zone dampers to regulate air flow and provide a measure of individual room temperature control. The living quarters is also served by perimeter radiation using separate thermostats or manual operation for temperature control. The dual space thermostats combined with varying occupancies and envelope orientations, and some manually controlled radiation units is creating some undesirable air unit zone temperature fluctuations. The basement is not mechanically ventilated. An inadequate amount of operable window provides some measure of natural ventilation.

Locker and toilet rooms are served by roof top PRV fans. Some of the fans can operate continuously, but can be overridden and turned off, other fans are switch operated. Lint blockage combined with leaky ductwork reduces air flow below required ventilation levels. A women's toilet/shower room was recently added and is served by a ceiling exhaust fan.

The kitchen ventilation hood is served by a side wall exhaust fan located on the Webster Street side of the building. The fan is positioned adjacent to an operable window.

A hot water boiler system is located in a second floor mechanical room. Hot water is distributed to the living quarter's fin tube radiation and convector units. The first and second floor heating units are controlled by thermostats or through manual regulation of a chain wheel operator. The basement convector units are manually operated utilizing a Honeywell radiation valve.

The air unit and zone VAV controls are low voltage. The radiation units are pneumatically controlled. The air compressor is located in the second floor mechanical room. The garage heating units are electrically controlled.

The original garage ventilation system has been removed. Gas fired heating and make-up air units are located in the corners of the garage. A truck exhaust system (PlymoVent) is connected to each truck and utilized to capture and expel exhaust fumes as trucks leave during fire calls. The garage exhaust fan is abandoned leaving inadequate exhaust ventilation in the garage. There does not appear to be a gas or occupant detection system or a time clock to control the operation of the garage ventilation.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air Unit			**H1**	Installed 2008 Trane roof top packaged YSC series, 7.5 ton cooling with gas heat
Housing	**F**			
Air intake	**D**	$500		10" above stone ballast. 12" minimum clearance required by code. 400 CFM
Condenser Fins	**F**			Bent fins caused by hail and physical contact.
Fan	**C**			3000 CFM, 3 HP
Filters	**C**			30% filters
Controls	**C**			Low voltage, zone dampers
Ductwork	**C**			
Insulation	**C**			Duct liner on exterior ductwork.
Humidity	**HP**	$10,000	**H1**	Residential type unit. Manually filled. Humidification is not a code requirement.
Occupied Space Ventilation (Basement)	**D**	$35,000		Basement is utilized for meetings, training, weightlifting and maintenance.
Occupied Space Thermal Comfort	**HP**	$48,000		Separate air unit and radiation thermostat and manual radiation control conflict. Air unit discharge temperature affected.
Exhaust Fans				
General Exhaust	**HP**	$500	**H2**	Moderate fan noise 1/6 HP, 580 CFM
	F	$0		Relocate items stored in front of exhaust vent in garage.
Men's Room Exhaust	**HP**	$500	**H2**	Noisy fan 1/10 HP, 250 CFM
Women's Room Exhaust	**F**		**H3**	Installed 2003 90 CFM, .375"SP, 120/60/1 Manually operated
Exhaust Ductwork	**CP**	$7,000	**H5**	Dust/Lint Build-up, dirty ductwork reduces air flow
Kitchen Hood, fan and Ductwork	**HP**	$25,000	**H4**	Jenn Air Fan, slight grease build-up Concealed duct. Old type 1.
Building Exhaust Ventilation	**D**	$15,000	**H6**	Rooms with chemical storage have no ventilation
Boiler System	**C**		**H7**	Installed 2011
Boilers	**C**			Rheem XFyre. 470,000 BTU

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Pumps	C			½ HP primary 1HP lead/lag secondary pump 42GPM@35 feet
Piping	C			New at boiler room. Mostly original throughout building
Pipe Insulation	CP	$5,000	H8	Missing insulation or poorly insulated in basement
Room Terminal Units	C		H9	
Mechanical Room Ventilation	F		H10	Natural Ventilation
Controls				
Air Compressor	F		H11	Simplex, ¼ HP Oil has obscured the name plate
Room Control	F			
Garage Ventilation			H12	
Heaters	C			Two 120 MBH Modine gas fired units, sealed combustion.
Make-up Air Unit	C			Gas fire unit
Exhaust	D	$30,000	H12	Exhaust is abandoned
Truck Exhaust	F			PlymoVent. Flex at truck connections showing signs of wear and tear
Control	HP	$10,000	H12	Electric. Heaters operating with doors open on day of visit.

NOTES:

H1. The air unit is 7 year old. Expected useful life is 20 years. The air unit is a multi-zone system utilizing zone dampers to regulate individual room air flow. The unit has a master zone terminal to set the unit to heating or cooling mode. The zone dampers will adjust air flow to maintain space temperature based on a rooms heating or cooling requirements. When installed, this system was an economical way to provide some measure of individual room temperature control. In addition to the zone VAV units, some rooms utilize fin tube or convector radiation for additional heat. When both systems are operational, the zone damper control can conflict with the radiation thermostat and this causes variations in the air unit discharge temperature which then will affect heating and cooling throughout the living quarters. To increase room comfort, it is recommended to install individual room reheat coils controlled in parallel with the room radiation devices through a single zone thermostat.

The intake hood rain guard is 10" above the roof ballast (ballast is considered part of the roof). Due to possibility of snow accumulation, 12" is the code required minimum clearance. Although the air intake on the unit is 12" above the roof ballast, the air is drawn under the enclosure, which could become plugged with drifted snow. It is recommended to modify the enclosure to increase the clear distance to 12" while maintaining the functionality of the rain guard.

The coil condenser has a few damaged locations where the fins are bent over and restricting air flow. These restrictions reduce unit efficiency. It is recommended to comb out the condenser fins.

A portable residential style humidifier is located in the sleeping room. This indicates that the occupants are attempting to regulate the building humidity to improve their comfort. This unit will actually improve humidity only slightly, but may have a greater psychological effect. This is because the air unit will introduce a greater amount of dry outside air than this unit can properly humidify. To humidify this building, it is recommended to install an electric or gas fired humidifier that is sized to serve the entire living quarters.

The basement is utilized for multiple functions including training, weightlifting, and maintenance. The space is not mechanically ventilated but does have some operable windows for mechanical ventilation.

However, the amount of operable windows does not meet code minimum requirements. A dehumidifier is located in the basement, near the sump pump. The basement, as typical for most unventilated lower level spaces, is cool and clammy, indicating high humidity during the summer months. If the space is to be utilized as an occupied space, it is recommended to renovate and expand the buildings mechanical system into the basement areas.

H2. The two fan units located on the roof are not fastened to their curbs. A light push moves these units. A heavy wind will shake these units and possibly knock them off their curbs. A reroofing project is currently ongoing and may have been the reason the fans were not fastened to the curb. Recommend verification that these fans are fastened down before the conclusion of roofing project. Both fans are mildly noisy. Recommend the replacement of fans, when replacement is necessary, with units that operate more slowly and have a lower sound production level.

H3. Fan was installed as part of a 2003 remodeling project to create a women's toilet/shower. The fan is manually operated.

H4. The kitchen hood appears to be an older type 1hood. The ductwork is concealed within a soffit and cannot be inspected. However, when compared to other fire station installations it is likely this ductwork is galvanized and not sealed liquid tight, which is a requirement for this hood. The exhaust fan is located in close proximity to an operable window which is opened during moderate weather conditions. As long as the window adjacent to the fan remains closed this is a relatively minor issue. The existing hood and ventilation system may have met minimum code at time of installation. However, when a component is replaced, the entire system should be upgraded to meet current requirements. A new type 1 hood equipped with a fire suppression system and vented with approved liquid tight ductwork is recommended.

H5. The exhaust ductwork has visible signs of lint and dust build-up in the duct as well as on the face of the grilles. The duct restriction causes a reduction in air flow. Duct cleaning and air balancing is recommended to restore required air flows. Most of this ductwork is older. Recommend taping and sealing of the duct joints to reduce leakage.

H6. Inadequate exhaust in some toilet/locker spaces and there is no exhaust in the janitors room and rooms where chemical/cleaning supplies are stored. An exhaust system improvement project is recommended to improve building ventilation.

H7. The boiler system was replaced as part of a 2011 building efficiency project. The boiler is a gas fired high efficiency condensing water boiler. The boiler was inspected in 2014. Lead/lag circulating pumps provide a small measure of redundancy. A micron filter was installed in 2011 to facilitate cleaning of the circulated fluid.

H8. The pipe insulation in the boiler room is in good condition as most of it was installed with the 2011 boiler project. In the basement, pipe insulation is missing in a significant amount of locations. In addition, some pipe runs are insulated but not with the correct insulation type or thickness. The result is unregulated heat loss into the basement area.

H9. The fin tube and convector radiator units are controlled in a variety of ways. Some units in public areas, such as corridors, have convectors with unregulated water flow. The heat off the unit is manually controlled utilizing a heat shield which is raised or lowered over the heating coil. In the first and second floor occupied spaces, the fin tube radiation is controlled with pneumatic thermostats and control valves. In the lower level, the units are manually controlled utilizing Honeywell radiation valves.

H10. The mechanical room is naturally ventilated. The rooms louver previously served as the combustion intake for the boiler and water heater. The 2011 mechanical equipment project installed a sealed combustion boiler. There is no damper on the louver to modulate and regulate room temperature. Room temperature is subject to outside air temperature, wind, and heat radiated off the equipment. During future building upgrade projects, it is recommended to install a damper over the louver to aid in temperature regulation.

H11. A small simplex ¼ HP air compressor serves the building pneumatic control system. The building pneumatic controllers consist mainly of a few control valves on radiation and convector units. The remainder of the control system (air unit, room terminal units, and boiler) is low voltage electric (DDC) controls. It is recommended that building improvement projects include the replacement of the pneumatic controls with low voltage devices. This will allow the removal of the air compressor.

H12. The apparatus garage is currently served by two high efficiency gas fired unit heaters and a gas-fired make-up air unit. The exhaust fan is abandoned behind a masonry enclosure. A couple of ceiling fans circulate air around the room. The ceiling fans are manually operated. The garage exhaust fan is concealed behind a masonry shaft wall and is abandoned. The unit heaters and make-up unit are automatically controlled from space thermostats. On day of visit, the doors were open as the outdoor temperature was moderate. The unit heaters were operating. It is recommended to decrease the thermostat set point, install automatic controls to stop unit heaters when doors are open, or keep overhead doors closed until the outside air temperature is above ambulance room temperature set point.

A PlymoVent exhaust system is connected to each truck parked in the garage. This system operates whenever a truck is started and the vehicle exhaust is expelled from the garage. The hoses, where attached to the trucks, are showing some signs of wear and tear.

An enclosed garage has specific exhaust code requirements and the garage is required to have a negative pressure in relation to the living quarters. A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets 4 specific code provisions including the installation of a gas detection system. The PlymoVent truck exhaust system and the gas fired make-up unit alone do not meet the ventilation requirements for an enclosed garage. A garage exhaust fan upgrade project to install a new exhaust fan and control system is necessary to improve garage ventilation and occupant safety. Eventually the make-up air unit and heaters will require replacement. At that time it is recommended to install new make-up air and radiant heaters.



Roof Top Air Unit



Roof Top Exhaust Fan (Typical of Two)



Womens Toilet Exhaust Fan



Kitchen Exhaust Fan



Exhaust Grille (Typcial)



Ventilation Grilles



Chemical Feeder and Micron Filter



Secondary Pumps



Primary Pump



Boiler



Home Humidifier in Sleeping Room



Typical Basement Heater



Poorly Insulated Piping



Bare Piping



Gas Meter



Basement Dehumidifier



Temperature Control Air Compressor



Heating and Ventilation Thermostats



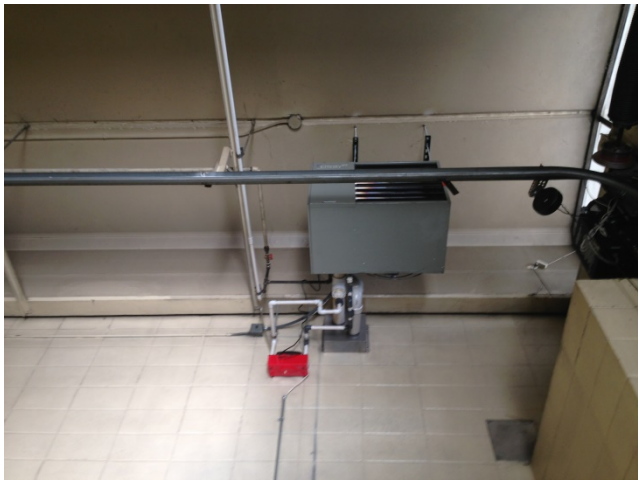
Exhaust Fan Manual Switches



Air Unit Control Panel



Garage Make-up Air Heater



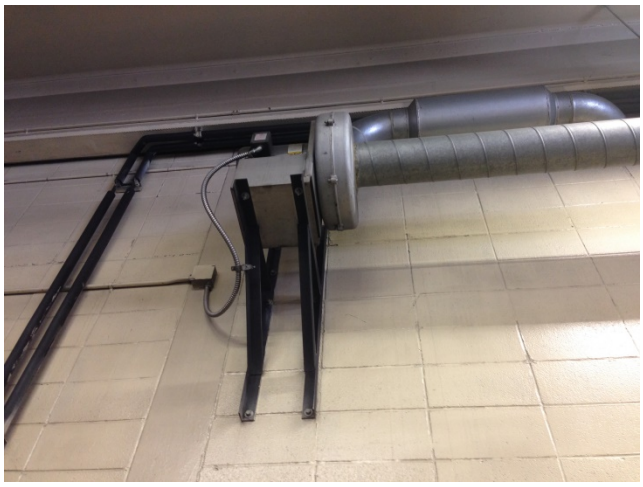
Gas Fired Heater



Abandoned Garage Ventilation



Truck Exhaust (PlymoVent)



PlymoVent Exhaust Fan



Dryer Exhaust Vents



Garage Exhaust Louver



Garage Exhaust Vent (Blocked with Storage)

ELECTRICAL SYSTEMS

Summary

The building is served by two utility services, a 400 Amp and a 100 Amp, 120/208 Volt, three phase. The panels are in good condition, but have limited future capacity. The emergency generator serving the building is in fair condition. The emergency system is fed from a single transfer switch and panel board. The panel is in good condition and has some future capacity. An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads.

The outlets within the garage and exterior mounted outlets are not GFCI protected. Exterior outlet covers are also not weatherproof while-in-use. Lighting fixtures are in good to fair condition and utilize T8 lamps and ballasts and compact fluorescent lamps. There are several fixtures with broken or missing lenses. These should be replaced or repaired. There is occupancy sensors located in the toilet rooms, but the facility should install occupancy sensors in offices, conference rooms/classroom, storage rooms and janitor's closets. HID building mounted fixtures and the flagpole light are in fair condition; consideration should be given to replacing with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition and the facility is pulling Cat 5e and Cat 5 data and voice cabling and coax for CATV. The fire alarm system includes stand-alone smoke detectors on the 2nd floor area, which are in good condition. Additional smoke detectors are recommended to provide complete coverage of all sleeping areas.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	N/A	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Electrical Service				
Utility Service Entrance	C			Two overhead utility services, one 400 Amp, one 100 Amp enter the building from the roof into the 2nd floor boiler room.
Normal Power Distribution Equipment				
Disconnect Switch	F			400A ITE disconnect in fair condition.
Enclosed Circuit Breakers	C			150A Square D ECB feeding 1st floor panel in good condition. 100A Square D ECB feeding Boiler room load center in good condition.
Branch Panels	C		E1	Two panels on 2nd floor and one panel on 1st floor – all Square D load centers, mostly full.
Emergency Power Distribution Equipment				
Generator	F			50 KW Cummins Onan Quiet Site II with sub-base fuel tank in fair condition.

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Transfer Switch	HP	$5,000	E2	Cummins Onan 150A ATS in good condition.
Disconnect Switch	C			200A Cutler Hammer disconnect on incoming generator feed to the ATS in the boiler room in good condition.
Branch Panel	HP	$10,000	E2	200A Cutler Hammer load center in good condition and with future capacity. Mixed loads.
Power				
Receptacles	D	$1,000	E3	Garage outlets and exterior outlets need to be GFCI. Provide weatherproof while-in-use covers for exterior outlets.
Lighting				
Garage	C			Industrial fixtures with T-8 lamps in good condition.
Office spaces, conference rooms, and corridors	F	$2,000	E4	Recessed acrylic lens troffers and surface mounted wrap-arounds with T-8 lamps, compact fluorescent downlights in fair condition.
Sleep Rooms and Toilet Rooms	F	$2,000	E4	Surface mounted wrap-arounds some fixtures have broken lenses, others are in good condition.
Mechanical spaces, storage rooms, utility areas	F	$2,000	E4	Ceramic lamp holders with screw-in CF lamps, industrial strips with T-8 lamps, in fair condition.
Exterior	F	$5,000	E5	HID wall packs and a stem mounted flagpole light in fair condition.
Lighting Controls				
Conference or Meeting Rooms	HP	$1,000	E6	Add occupancy sensors
Offices	HP	$1,000	E6	Add occupancy sensors
Toilet Rooms/ Small Storage Rooms	F	$500	E6	Toilet rooms have occupancy sensors in good condition; add sensors in janitor and storage rooms.
Emergency Egress Lighting and Exit Signs				
Corridors	C			Fixtures connected to emergency panel.
Exit Signs	F			LED type in fair condition.

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Fire Alarm Devices				
Smoke Detectors	**HP**	**$200**	E7	A few stand-alone smoke detectors on 2nd floor.
Telecommunications				
Data/Voice	**C**			Cat 5 and Cat 5e cabling
CATV	**C**			Coax

NOTES:

E1. Additional panels will need to be added if a renovation would require additional circuits.

E2. Recommend providing an additional automatic transfer switch and panel board to separate the critical and equipment branch loads onto a new panel and leave the existing panel with the life safety loads.

E3. Replace all outlets located in the garage area and exterior outlets with GFCI type device. Add weatherproof while-in-use covers on exterior outlets.

E4. Consideration should be given to replacing older fixtures with new. Replacement or repair should be done on fixtures with broken or missing lenses. There could be some energy savings available by modifying the lighting layout in areas like the dining room.

E5. Consider replacing HID fixtures with more efficient LED in the future.

E6. Occupancy sensors should be installed in the meeting room, classroom, offices, storage rooms, and janitors closet to provide additional energy savings. If areas are renovated, controls will be required to be updated to meet current energy code.

E7. Recommend adding an additional detector in the sleeping area on 2nd floor and one in the corridor outside the 1st floor sleeping room/office.



Electrical Utility Service Entrance



Telephone Pedestal



400A Service Entrance Meter and Disconnect



100A Service Entrance Meter



Generator



Emergency Feeder Disconnect and 150A ATS



Emergency Panel



Existing Panel and 110 Blocks



Existing Panel



Sleeping Area Lighting



Generator Alarm Panel



Downlight



Flagpole Light



Exterior Outlet



Garage Outlets



Exit Sign



Office/Sleeping Room Lighting



Dining Room Lighting



Exterior Wall Packs



Garage Lighting

EVALUATION

OF

CITY-OWNED FACILITITES

FIRE STATION #3

August, 2015

FIRE DEPARTMENT

SUMMARY

Date of Visit: May 28, 2015
Address: 885 Shawano Avenue

Building Description

Originally constructed in 1936, Fire Station #3 has had relatively few modifications over the years. Renovations to the building over the years have not altered its exterior form or size. There is a partial basement, first floor, and split second level, extending over both the lower living/office area and the higher apparatus bay area.

It is recommended that the air filling and motor storage be located in separate spaces. Oxygen tanks should be stored in a 1-hour rated room.

Flat portions of the roof supporting vents and mechanical equipment are EPDM. EPDM has been patched, but is in fair condition. Gutters are in need of cleaning from tree debris. EPDM roof at top of hose tower has considerable ponding. One steel air intake on level area of high roof is significantly rusted.

Code/Accessibility

The building is presumed to have complied with code at the time it was constructed. Existing items that are unchanged are grandfathered into compliance. It is recommended that one unisex, accessible toilet room be created.

Structural System

The structure is a combination of cast-in-place floor slabs and steel beams on steel columns or load-bearing masonry walls, and wood ceiling joists on steel beams or load bearing masonry walls. There is additional steel and wood framing above the second floor ceilings to create the pitched roof profile.

Tuck-pointing is recommended at the north face of the work/living quarters, the east wall of the apparatus garage near the intersection of that north wall (which would include some work on the interior side as well), and a small amount on the exterior side of the west wall.

Plumbing Systems

The original piping is in fair condition. A thermal mixing valve (TMV) and hot water recirculation pump (and piping) should be added to the system. These are code issues which should be corrected. Fixtures could be updated to conserve water. There are no accessible plumbing fixtures. The exhaust hood in the kitchen should have an Ansul (or equal) kitchen suppression system installed. Oxygen cylinders should be stored in a 1-hour rated room, separate from motor equipment.

HVAC Systems

The facility is split into two areas, the apparatus room/storage and the living quarters. Although a majority of the distribution infrastructure is original, multiple minor renovations and mechanical upgrade projects have taken place over the buildings life. Exhaust and ventilation issues need to be addressed in several areas. Older pneumatic controls are in need of replacement or upgrading.

Electrical Systems

The building is served by a 200 Amp, 120/240 Volt, single phase service. The panels are in good condition, but have limited future capacity. The emergency generator serving the building is in fair condition. The panel is in good condition and has some future capacity. An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads.

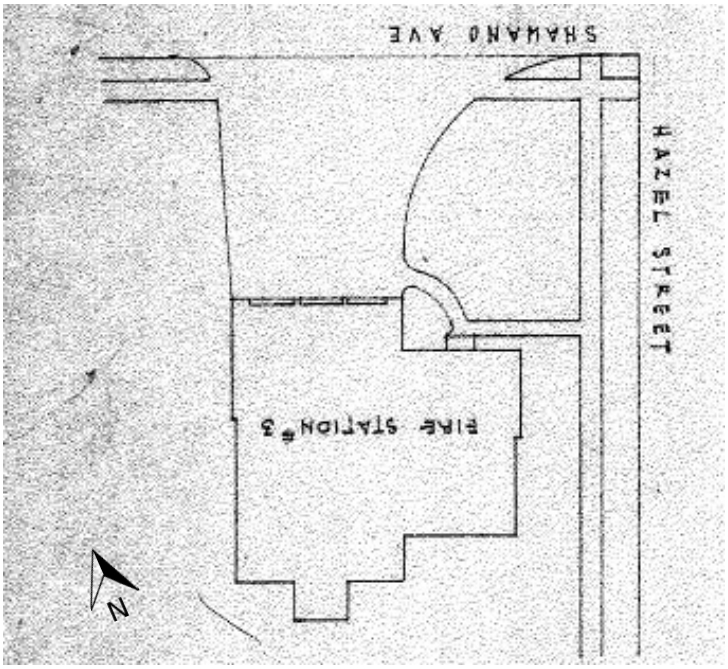
Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

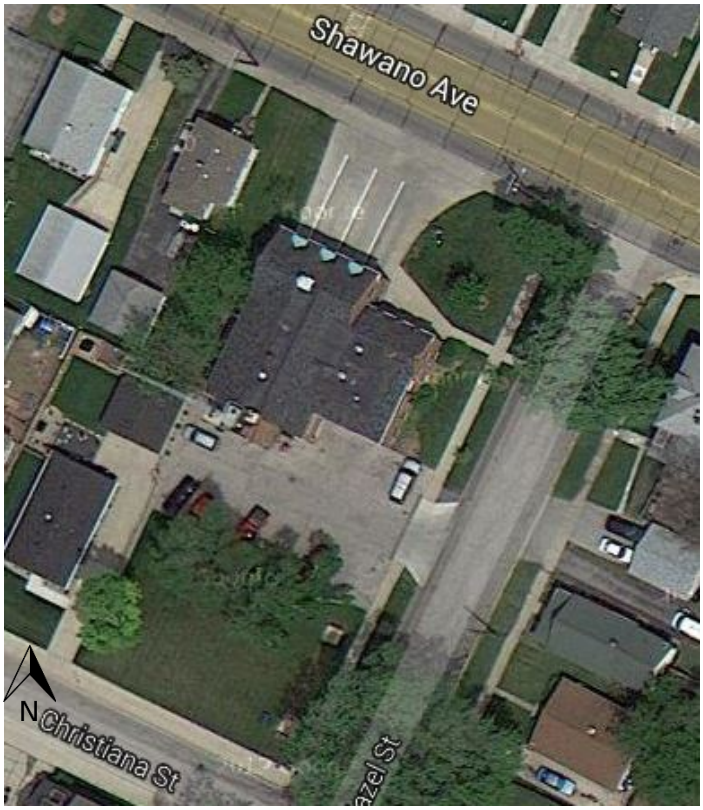
SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural			Exterior Facade Condition	**$5,000**
		Rated room for oxygen storage		**$5,000-$8,000**
Architectural Subtotal				**$10,000-$13,000**
Code/ADA			Accessible toilet	**$8,000-$12,000**
			Stair Shafts	**$5,000**
Code Subtotal				**$13,000-$17,000**
Structural		Exterior masonry walls		**$8,000**
Fire Protection				**NA**
Plumbing	Domestic Water Service			**$500**
			Insulation	**$10,000**
	Recirculation Pump(s)			**$6,000**
	Thermal Mixing Valve (TMV)			**$6,000**
	Oxygen/Air Storage			**See Architectural**
Plumbing Subtotal				**$22,500**
HVAC Systems			Humidity	**$10,000**
	Basement work/storage room ventilation			**$12,000**
			Occupied Space Thermal Comfort	**$60,000**
	Men's Room Exhaust			**$5,000**
	Women's Room Exhaust			**$5,000**
	Ductwork			**$1,000**
			Kitchen Hood,	**$25,000**

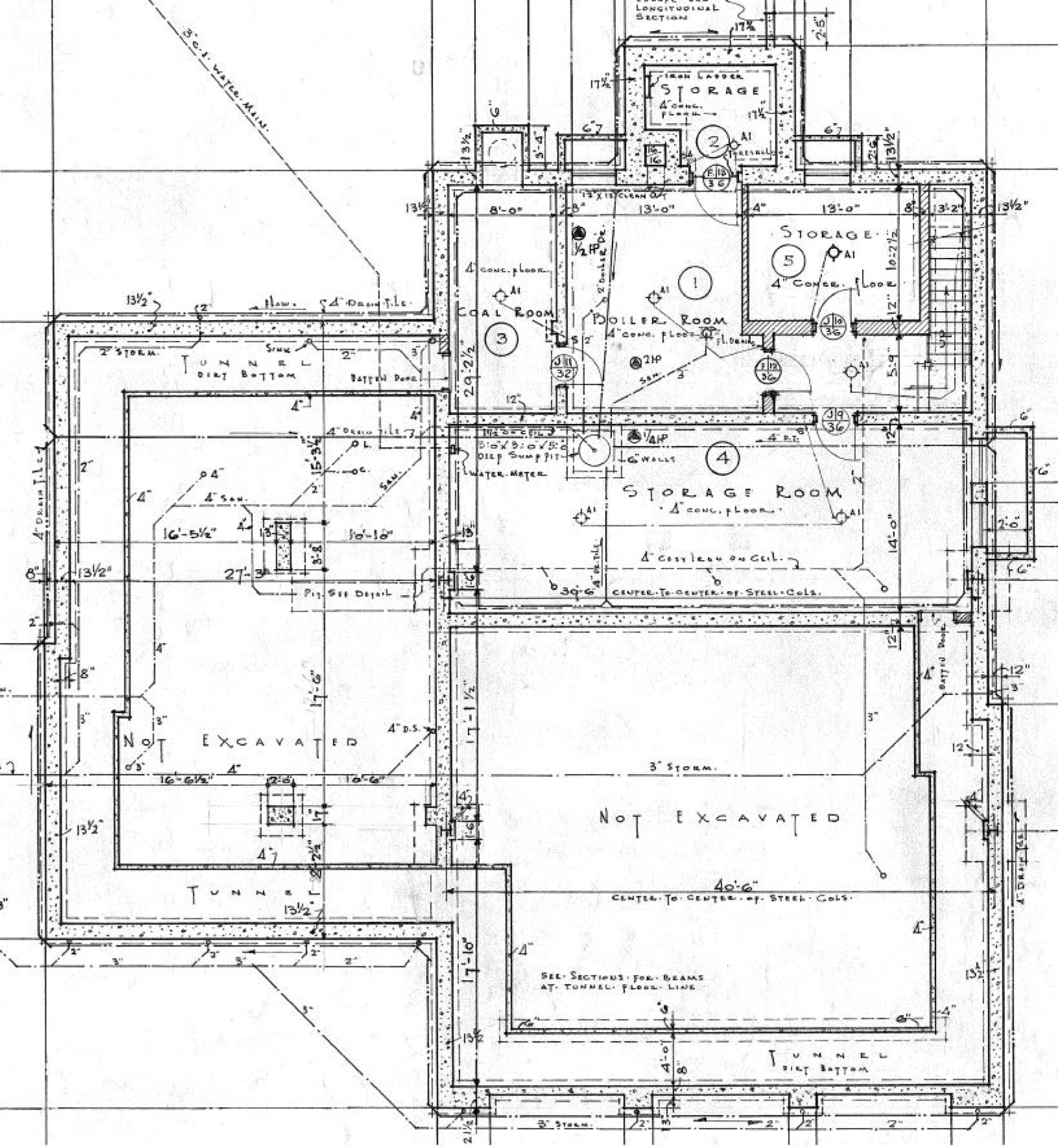
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
			Fan and Ductwork	
			Pumps	**$1,000**
			Pipe Insulation	**$4,000**
		Room Terminal Units		**$20,000**
	Mechanical Room Ventilation			**$5,000**
		Make-up Air Unit		**$60,000**
		Exhaust		**$20,000**
	Control			**$10,000**
	Storage Room Ventilation			**$5,000**
	Dryer Exhaust			**$500**
HVAC Subtotal				**$243,500**
Electrical			Transfer Switch	**$5,000**
			Branch Panel	**$10,000**
	Receptacles			**$1,000**
			Conference or Meeting Rooms	**$1,000**
			Offices	**$1,000**
			Smoke Detectors	**$200**
Electrical Subtotal				**$18,200**
Total				**$317,200-$324,200**



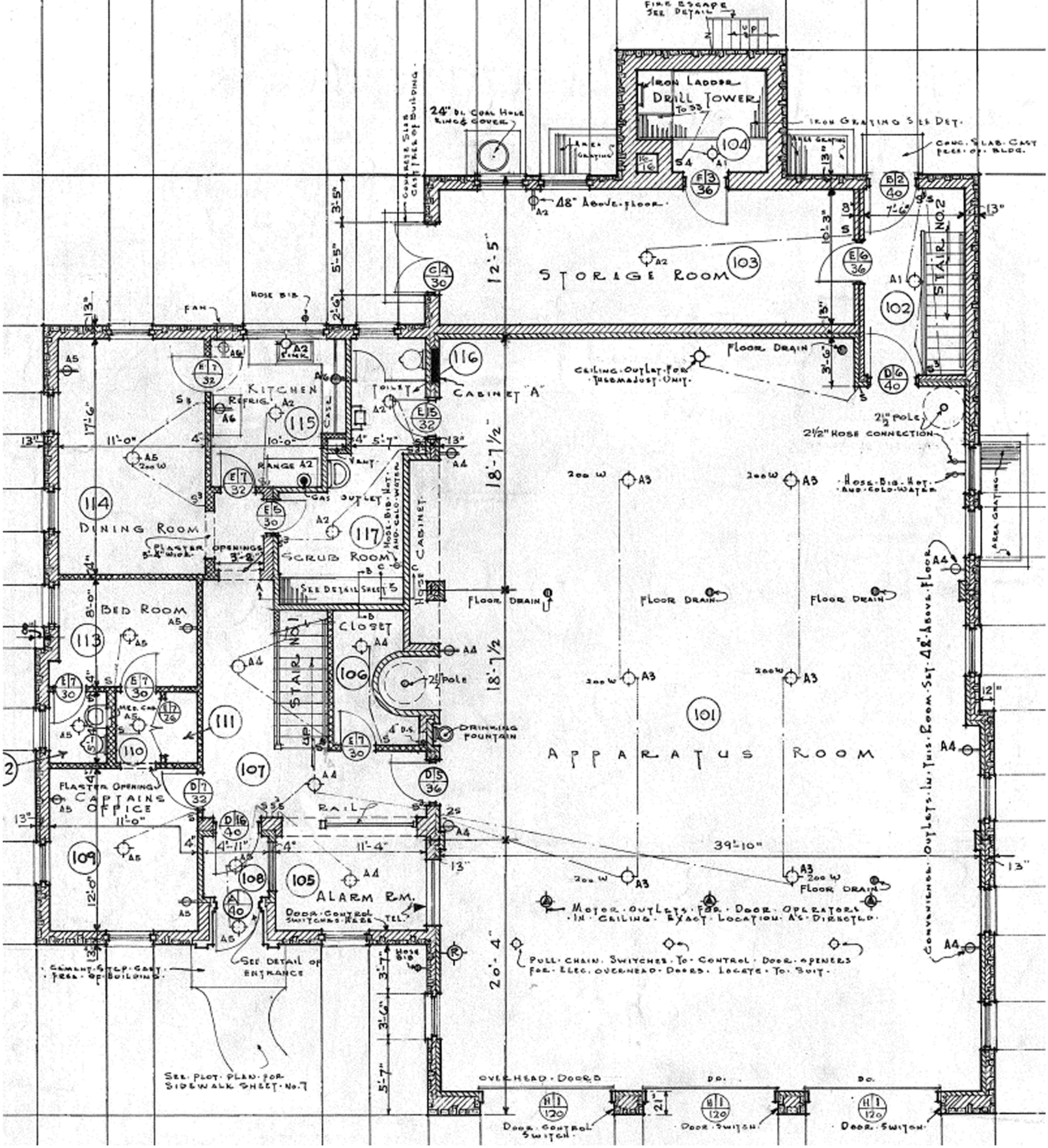
Site Plan



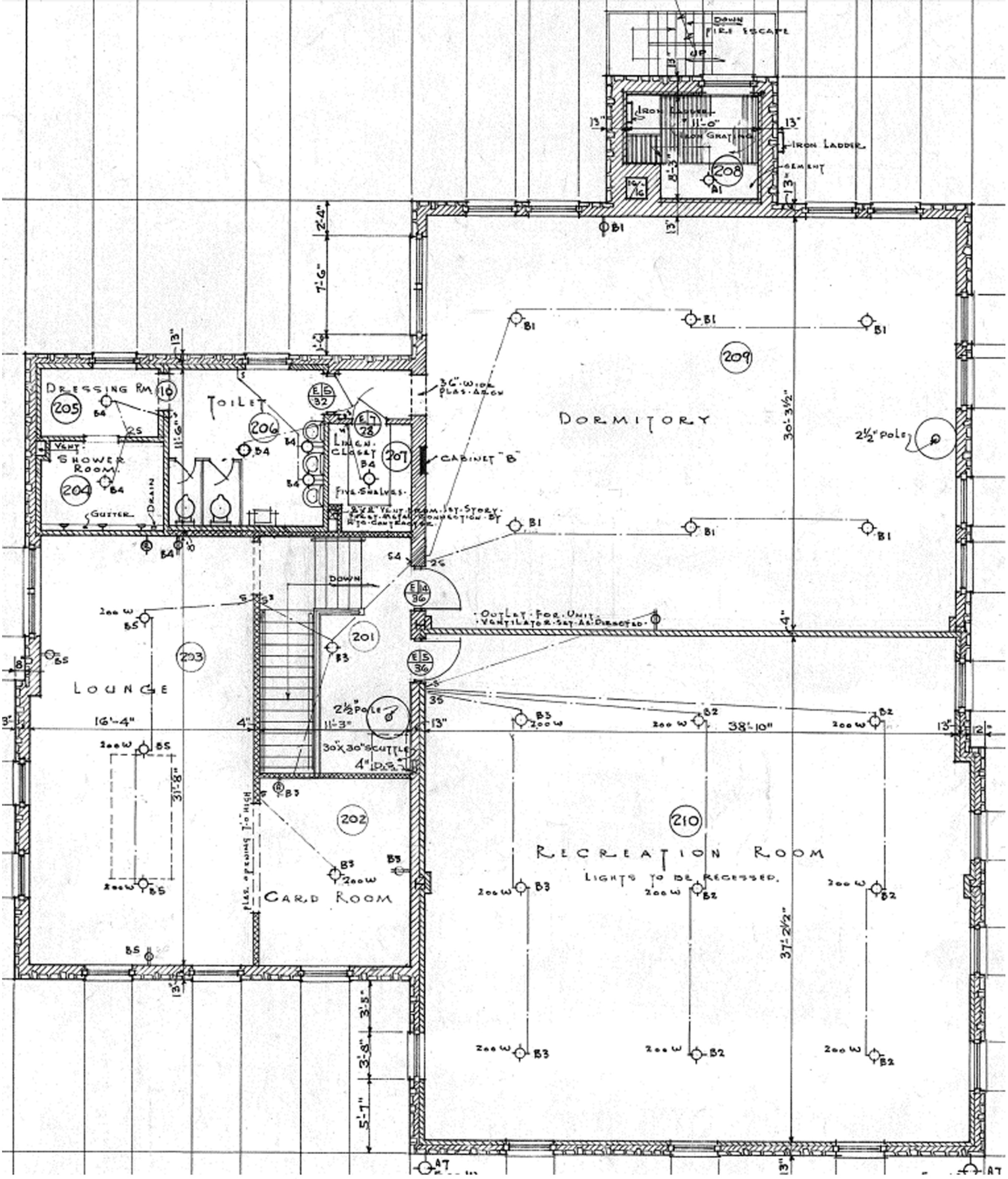
Aerial View of Site



FIRE STATION #3
BASEMENT PLAN
NOT TO SCALE



FIRE STATION #3
FIRST FLOOR PLAN
NOT TO SCALE



FIRE STATION #3
SECOND FLOOR PLAN
NOT TO SCALE

ARCHITECTURAL

Building Description

Originally constructed in 1936, Fire Station #3 has had relatively few modifications over the years. Renovations to the building over the years have not altered its exterior form or size.

The station is comprised of a partial basement with access tunnels at the perimeter of other foundation walls; apparatus bay, storage, office and dining/kitchen on first floor; and a split-level second floor with lounge over the lower structure of the office/living space, and dormitory and training/work-out space over the apparatus bay. A former hose drying tower is utilized for storage and placement of new generator.

Basement is accessed from an open stair off the back entry corridor. Walls are either board-formed concrete or triple-wythe thick brick walls. Floors are concrete. Ceiling is concrete joists with clay filler tile, some of which has been chipped away to allow patching of concrete joists due to water infiltration in the past. This situation seems to have been remedied. Basement spaces include storage rooms, mechanical equipment and workshop.

A storage room on first floor, situated between the apparatus bay and hose tower, has an overhead door access at one end, and standard cased opening to the apparatus bay corridor at the other end. Filling of air tanks occurs in this room; both air and oxygen tanks are stored in the room. By code, oxygen tanks should be stored in a 1-hour rated room. Also in the room are a lawn mower, a boat motor, and other equipment. Due to the prevalent odor of gas in the room, it is recommended that the air filling and motor storage be located in separate spaces.

A combination toilet/shower/locker/storage room is located between living quarters and apparatus bay. Kitchen has been remodeled over the years, and a former rear window at the adjoining dining area has been converted to a back door to the parking area.

The building has a split second level. Over the lower structure height living and office area is a lounge. Five steps up across the landing, is the floor area over the apparatus bay, which houses toilet/shower room, dormitories, and combination training and work-out room. The fire pole is still located in one of the dormitory rooms, but the floor opening has been covered by a removable plastic top. An opening has been added between dormitory rooms. To fit under the soffit in the rooms, the opening is 6'-0" high.

Doors

Most doors appear to date from the original construction. They are oak, two-panel construction, with v-jointed vertical boards within the panel frame. In some cases, the upper panel has divided light glazing. A new opening between dormitories on the 2nd floor is a 3' X 6' flush wood door with approximately 6" x 3' lite and louver at bottom. Basement doors are typically original metal. Doors at rear corridor entry and passage are newer insulated metal doors with lights.

Apparatus bay doors are sectional overhead doors with three lights at center section.

Building Envelope

Exterior walls

The exterior has a red-brown brick with red-painted wood trim. Cracking is visible along mortar lines from front window opening corners extending upward, and other instances at high roof projections. Lintel over front entry door is missing mortar. Doric piers and entablature of wood surround the front entrance. The first floor windows on either side of the entrance have shutters. There are three gabled windows interrupting the cornice along the office/living section of the building (the east half), and three hipped gables above the apparatus bay doors (west half).

Windows

All exterior windows, both at the apparatus bay and the living/office quarters have been replaced with aluminum casement or double-hung windows. One original metal framed, single pane window remains in basement storage room.

Roof
The hipped gables are roofed in a fully oxidized copper, while the rest of the visible roof is asphalt shingle. Flat portions of the roof supporting vents and mechanical equipment are EPDM. EPDM has been patched, but is in fair condition. Gutters are in need of cleaning from tree debris. EPDM roof at top of hose tower has considerable ponding. One steel air intake on level area of high roof is significantly rusted.

Interior Finishes
Floors
Most of first floor has tile flooring. Older tile areas (bathrooms, kitchen) are varied size/color mosaic, while apparent newer tile areas are 2x2 tiles in similar color tones to the mosaics.

Walls
The main office room has wood paneled walls that appear to be 30 to 40 years old. Some walls of the upstairs dormitory have wood paneling that appears to be original to the building. Original interior walls are typically painted masonry or plaster, with some glazed concrete block at the entry vestibule. A combination of concrete block and furniture partitions are used to separate sleeping quarters. Furniture partition is used to separate training and work-out areas.

Walls of the apparatus bay and storage areas are painted concrete block.

Ceilings
Most of the station's living and office space has lay-in acoustic tile with either dark or light toned suspension grid. The toilet rooms have plaster ceilings. Basement has exposed structure ceilings. The apparatus bay ceiling is painted plywood applied to structure. Exposed beams in the bay are also painted.

Casework
The kitchen casework and counters appears to have been remodeled within the past 5 years. Walls have glazed tile and tile cove base. The stove hood is non-compliant (see mechanical report). It is plastic laminate on particle board, surrounding a metal hood coated with old paint.

LEGEND

D	Deficient – Immediate Replacement	**CP**	Critical Priority – Replace in 1-2 years	**HP**	High Priority – Replace in 3-5 years	**F**	Fair – Replace in 6-10 years	**C**	Compliant/ Adequate	**N**	New	**NA**	Not Applicable

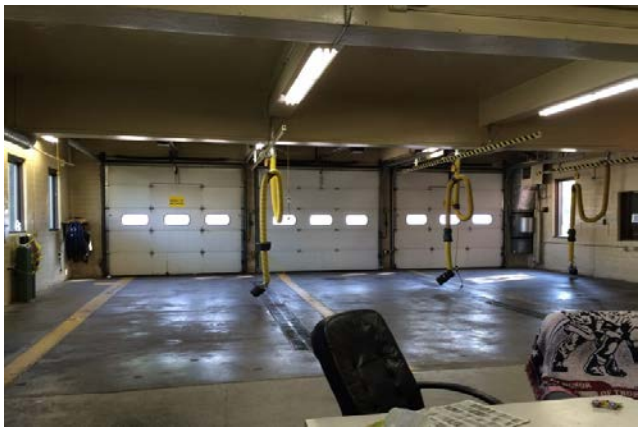
ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	F		A1	
Exterior Facade Condition	HP	$5,000	A2	
Exterior Door Condition	C			
Window Condition	C			
Interior space	F	$0	A3	
Rated room for oxygen storage	CP	$5,000 to $8,000		Current open storage is not code compliant.
Interior Finishes				
Carpet	F			
Tile	C			
Interior doors	C			

NOTES:

A1. Maintenance required: clean out gutters and rooftop areas of tree debris.

A2. Regular maintenance and re-painting of wood elements is recommended. Tuck pointing of brickwork is needed at cracks.

A3. It is recommended to move any food preparation related items out of the bath/shower/locker room.



Apparatus Room



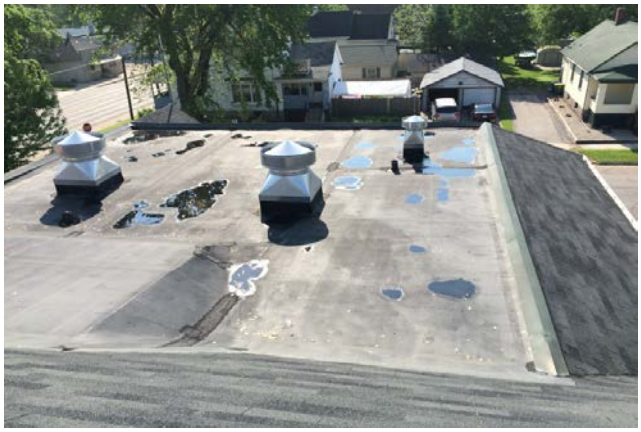
Equipment and Air Tank Storage



Roof



High Roof Ponding



Lower Roof



Copper Hip Gables



Bath/Shower/Locker/Storage Room



Kitchen



Typical Interior Door and Floor Tiles



Landing at 2nd Floor



Roofing at Parapet



Roof Drainage

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1936	**Gross Area**	Basement: 4,406 SF 1st Floor: 4,358 SF 2nd Floor: 4,358 SF
Occupancy Classification *(Chapter 3 of IBC)*	B and 1st floor: **S-1** Moderate-hazard Storage non-separated from **B** Business 2nd floor: **R-3** residential non-separated from **B** Business		
Construction Type *(Chapter 6 IBC)*	Construction Type II-B		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

The 1934 Building Code for the State of Wisconsin at the time would have placed this building in Chapter 6 Factories, Office and Mercantile Buildings. The classes of construction at the time were frame, ordinary, and mill construction, in increasing levels of fire protection. The building's materials would place it equivalent to Type II-B in the 2009 IBC.

The IBC does not specify fire stations as being Business occupancy, therefore the building occupancy may be determined more by usage of space. For Fire Station #3, the basement and 1st floors are non-separated B-business and S-1 storage. 2nd floor is non-separated B Business and R-3 Residential, based on the definition of congregate living facilities as those where residents share bathroom and/or kitchen facilities.

Egress and Safety

Two legal means of egress are provided by the front door, and the door added from the kitchen/dining area, exiting to the parking lot to the south. The stair risers are approximately 7 ¼" each, which is over the current code's maximum of 7". This would have complied with code at the time, and would not be required to be updated due to structural restrictions.

Second floor has one legal means of egress, via the stairs. One of the original two fire poles has been removed and its space walled off in the apparatus bay below. The other remains, with a plastic cap over it in the dormitory section. For a single means of egress to be legal under current code, there can be a maximum of 10 persons in Residential occupancy (the dormitories), OR a maximum of 49 persons for Business occupancy (the meeting room and work-out room). The standard usage of the 2nd floor spaces appears to comply with these maximums. The apparatus bay has a hinged door egress via the stair/corridor to the south.

Stair Shafts

The one stair shaft in the normally occupied area of the building connects only 1st and 2nd floors, although 2nd floor is split level. The basement stair is also open to 1st floor. The door from the passage to the apparatus bay appeared to have once been a rated opening. If that is the case, this would create the separation of floors needed for the other stair to be legally open to 2nd floor under current code (708.2, exception 7). As it stands this situation is presumed to have complied with code at the time it was constructed, and is thus acceptable.

The business and residential occupancies are somewhat separated from the storage occupancy of the apparatus bay, although doors between the two do not appear to be rated.

The stair to the basement is accessed from a corridor south of the apparatus bay. Although connecting 2 floors is allowable, connection to a third level is not. The penetration of the fire pole, and the apparent lack of rating between apparatus bay and business/residential occupancy may mean the stair should be separated. There is currently not a door from the corridor to the south storage room that houses air tank filling equipment and various motors and equipment. **It is recommended that a door be installed at this location to separate the stair shaft from other areas.**

Handrails and Guardrails
Hand and guard rails at stair from 1st to 2nd floors are wood. They would have complied with code at the time of construction. Openings between guards on 2nd floor are larger than currently allowed, but also compliant at time of construction. Openings are approximately 6" at 2nd floor guard.

Guard at back entry by stair to basement has large openings (over 12 x 24). It is recommended that this be addressed as a safety issue. There are not handrail extensions on either stair's handrails.

Miscellaneous Items
The stove hood is painted metal interior with plastic laminate on particle board exterior. Both the paint and the combustible material on the exterior of the hood are not recommended. See mechanical section of this report for replacement costs.

The Women's restroom is a combination restroom/toilet room and storage room. **It is recommended that stored items relating to food or food preparation be removed from this room.**

Summary of Accessibility/ADA Compliance

The following summary of accessibility is provided for owner reference, with the acknowledgement that persons using this building can only do their job if they do not have accessibility needs. That said, certain upgrades, such as lever door handles, could be done that would make operation easier and quicker. As noted above, accessibility may be mandated by code based on the extent of work being done.

Accessible Route
Entry to the building is at grade from both doors at the back parking lot, and the front entry, but the front entry door, and the door from the rear corridor do not meet accessibility clear floor space and maneuvering clearances. The stairs have risers of approximately 7 ½", which is higher than current code allows.

Doors
The building has a combination of push/pull hardware and knob handles. Knobs are not accessible, and not as easy/fast to use as lever handles.

Plumbing Fixtures
The sink in the kitchen is at 36" rim height, which is above the 34" required for side-accessibility. Lavatory sinks are all below 34", which would comply with accessibility requirements.

There is no accessible toilet in the building. Showers in both the Men's and Women's rest rooms are not accessible in the following ways:

- Threshold height of 4" outside, 3 ¼" from inside
- Opening width of 22 ¾"
- Stall size of 30 ½" x 41"
- No grab bars, seats, or wand shower heads

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Egress and safety	F			
Stair shafts	HP	$5,000	CA1& 2	
Handrails/guardrails	F	$2,000	CA3	
Miscellaneous items	HP	$0	CA4	
Accessible route	F			
Doors	C F		CA5	
Plumbing fixtures	F			
Accessible toilet	HP	$8,000 - $12,000	CA3	Creating 1 accessible toilet is recommended.

NOTES:

CA1. Recommend a rated door between rear passage/stair and equipment room.

CA2. Recommend removing gas-fired engines from the air tank filling room.

CA3. Recommend reducing the opening size in the guardrail between passage and basement stair.

CA4. Move food and food-prep related items out of Women's restroom.

CA5. Lever handles would comply with accessibility codes and facilitate ease of use. Lever handles are code requirement for any new or renovated work.

CA6. Recommend investigating the feasibility of creating a separate storage room and unisex accessible toilet/shower room.



Back Entry to Parking Lot



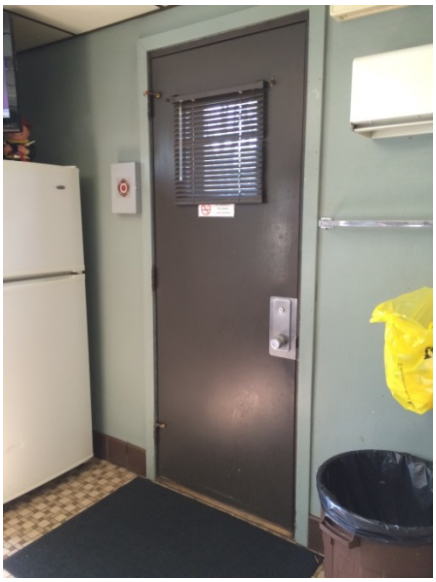
Front Entry Route



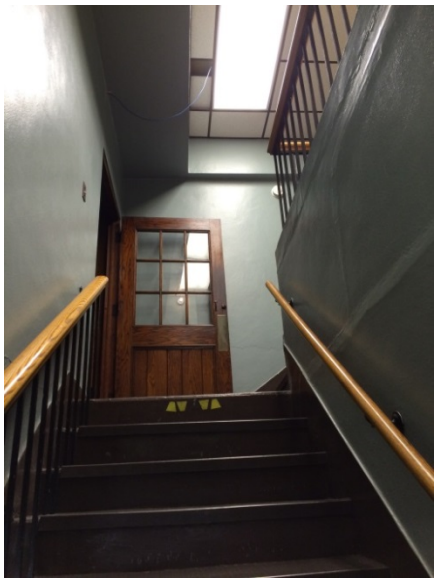
Stair to Basement



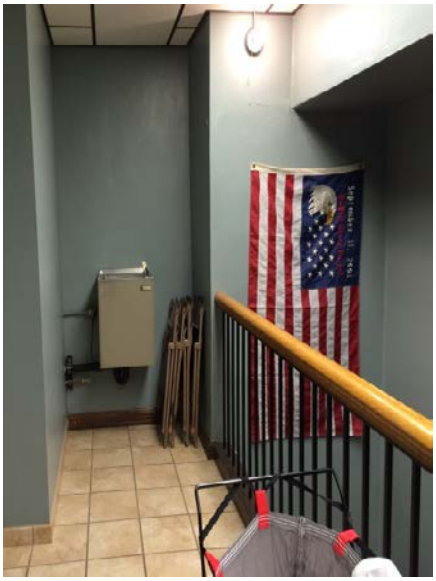
Back Entry Corridor



Door to Parking Lot From Dining



Stair to 2nd Floors



Guard at 2nd Floor



Kitchen



Women's Restroom



Hood at Kitchen



Women's Toilet Stall



Men's Room Lavatories



Men's Showers



Men's Restroom (Access to Showers)

STRUCTURAL SYSTEM

Summary

The structure is a combination of cast-in-place floor slabs and steel beams on steel columns or load-bearing masonry walls, and wood ceiling joists on steel beams or load bearing masonry walls. There is additional steel and wood framing above the second floor ceilings to create the pitched roof profile.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1936 (Berners-Schober Comm. No. 1487)
Structure type				
Foundations	C			Cast-in-place concrete foundation and/or basement walls bearing on individual spread or continuous strip footings.
Basement	C			Under south half of building only. Floor is a 4" concrete slab on grade with 6x6 10/10 welded wire mesh reinforcing.
1st Floor	C			a. Apparatus Garage floor is a 5" concrete slab on grade with 6x6 - 10/10 welded wire mesh reinforcing. b. Floor to the south of the Apparatus Garage over the basement area is 6"+3" or 8"+3" concrete Tile & Joist slab with 5" joists at 17" on center typical. c. Work/Living quarters to the east is a 4" concrete slab on grade with 6x6 10/10 wire mesh reinforcing.
Exterior Masonry Walls	CP	$8,000	**S1.**	13" common brick/face brick load bearing walls typical.
2nd Floor	C		**S2.**	a. West half of living quarters is a 5" solid one-way slab over steel beams supported by steel columns or load-bearing masonry walls. b. East half of living quarters is 4"+2" or 6"+2" Tile & Joist slab supported on concrete beams and load-bearing masonry walls
Ceiling/Roof	C			a. Ceiling consists of 2x6 or 2x8 wood joists at 16" on center typical, on steel girders supported on steel columns or load-bearing masonry walls. b. Pitched roof profile above ceiling consists of additional steel and wood framing.

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Occupancy Category	**NA**			Occupancy Category IV
Construction Type	**NA**		**S3.**	Construction Type **II-B** (2-hour exterior bearing walls, 1-hour beams, columns, & floor slabs, 0-hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			Varies.
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

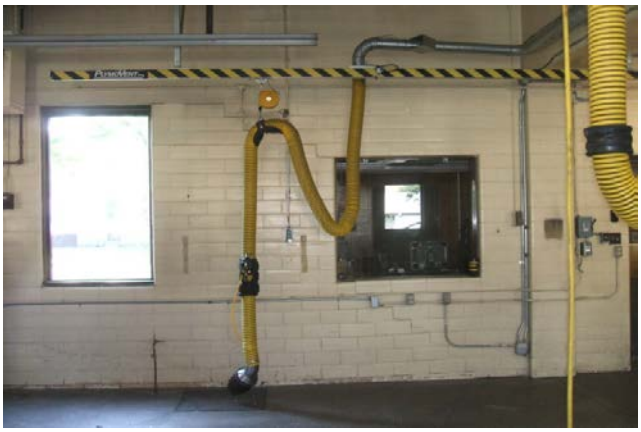
S1. There are a few areas of masonry cracking, predominantly near the northern side of the building that should have some tuck-pointing work done in the near future. The cracking appears to be the result of some settlement of the masonry walls in this area. This is further substantiated by the Owner's report that around 2011, the apparatus garage floor had to be mud-jacked after settling approximately 4" due to some groundwater activity below. The floor has remained stable since the mud-jacking. The tuck-pointing recommended at this time would be on the north face of the work/living quarters, the east wall of the apparatus garage near the intersection of that north wall (which would include some work on the interior side as well), and a small amount on the exterior side of the west wall.

S2. At the weight room area on second floor, while the present equipment appears to be adequately distributed, caution should be advised that free weights should not be dropped from a distance onto the floor.

S3. Construction Type is limited by the lath-and-plastered 2x6 or 2x8 ceiling joists. If test results were available to substantiate a 1-hour fire resistance for the roof system, the current IBC Construction Type could be brought up to Type **II-A**.



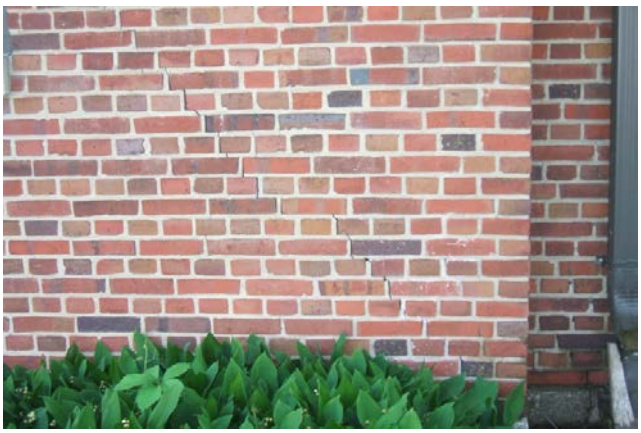
Settlement Cracking of Brick West of Front Entrance



Settlement Cracking at East Wall of Garage



Second Floor Weight Room



Settlement Cracking of Brick at West Wall of Garage

PLUMBING SYSTEMS

Summary

The original piping is in fair condition; it could be replaced as needed when issues arise. Insulation could be added to the hot water piping for energy savings. A thermal mixing valve (TMV) and hot water recirculation pump (and piping) should be added to the system. These are code issues which should be corrected.

Presently, air and oxygen cylinders are stored in the same room as the gas fueled lawnmower and snow blower. Per code, oxygen cylinders should be stored in a 1-hour rated room.

Plumbing fixtures in the 2nd floor Men's toilet room are older and could be updated to conserve water. Fixtures in the Women's toilet room are slightly newer and are accessed through either the garage or an interior corridor. There are no ADA accessible plumbing fixtures. Building utilities in general appear adequate.

This building is not equipped with an automatic fire sprinkler system. However the exhaust hood in the kitchen should have an Ansul (or equal) kitchen suppression system installed.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper, galvanized
Sanitary Piping Condition	F		P2	PVC & cast iron
Storm/Clearwater Piping	F		P3	Cast iron, gutter 7 downspout
Valves	F		P4	Gate & ball
Domestic Water Service	D	$500	P5	2" main, needs 3-valve bypass
Insulation	HP	$10,000	P6	Fiberglass & elastomeric. Asbestos ??
Code Issues	D		P7	Hot water, cylinder storage
Equipment				
Domestic Water Heater	F		P8	Installed in 2002
Drench shower station	NA			
Recirculation Pump(s)	D	$6,000	P9	Add pump (code issue)
Water Softener	NA			No water softener installed
Thermal Mixing Valve (TMV)	D	$6,000	P10	Add TMV (code issue)
Grease Interceptor	NA			No grease interceptor required.
Kitchen Equipment	F		P11	
Plumbing Fixtures	F		P12	
Oxygen/Air Storage	D	See Arch	P13	Oxygen & Air cylinders

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Backflow Prevention	C		P14	1 ½" hose connection
"Shop" air compressor	NA			
Laundry equipment	F		P15	Commercial washer
Drain tile sump/pumps	F		P16	Clearwater and drain tile sumps/pumps
Ambulance/Truck Garage	F		P17	Trench drain, garage catch basin
Exterior				
Storm Drainage	F		P18	Roof drain, gutters, Catch basin
Lawn Irrigation	NA			
Exterior Utilities	F		P19	

NOTES:

P1. Water piping is mainly copper, soldered joints. Fair condition. Also some old galvanized piping present. Water piping is exposed in the toilet rooms – no insulation.

P2. Original sanitary is cast iron. Some PVC piping in the basement area. Minimal vents from the floor drains in the garage – venting could be added.

P3. Storm piping is cast iron from one interior roof drain. Remainder of the building roof pitches to the edge and is drained by gutters/downspouts around building perimeter.

P4. Older valves are gate, newer valves are ball.

P5. Building is served by a 2" water main. No bypass-code issue. Install 3-valve bypass around existing meter.

P6. Insulation is missing throughout the building. Insulation could be added to conserve energy and avoid condensation on piping. Asbestos abatement by owner – TBD.

P7. Code issues: water temperature is set at 119° Fahrenheit, maximum temperature to be 110° Fahrenheit. No thermal mixing valve (TMV) at the heater. Add TMV per code. No recirculating pump at heater. Add recirculating pump. Hot water piping length exceeds 100'-0" per code. Oxygen and air cylinders should be stored in a 1-hour fire rated room.

P8. Water heaters are gas fired, AO Smith ProMax, Model FCGL 40 248, 40 gallon, 40,000 BTU. Installed in 2002. Hot water connection at heaters is ¾". Vents from heaters combine into one and direct to chimney.

P9. Install hot water recirculation pump. Length of hot water piping exceeds 100'-0" per code. Hot water to 2nd floor lavatory exceeded 3 minutes in timing.

P10. Add TMV to water heater. Set hot water temperature to 110° Fahrenheit. Code issue.

P11. Kitchen equipment: 2 compartment sink with garbage disposal. No dishwasher.

P12. Plumbing fixtures: Women's locker room – floor mounted WC, Sloan Royal flush valve 3.5 gpf 16" aff. Lavatory-wall hung with ledge faucet, 33" aff. Urinal, floor mounted in place, water piping disconnected. Single stall Mustee shower stall, Moen valve. Toilet room off dining/kitchen has floor mounted WC with 3.5 gpf, wall hung lavatory. 2nd floor had a single unit EWC with the spout at 41" aff. Janitors' curb has a vacuum breaker on spout. 2nd floor Men's' Toilet room had (2) floor mounted WC's with flush valves-16" aff., (3) wall hung lavatories, rim @ 32" aff. Shower was built-up with (3) shower heads. All water piping in the toilet rooms is copper, exposed, not insulated.

P13. (3) small oxygen cylinders are stored in the garage – should be stored in a 1-hour rated room. Air cylinders and filling station/compressors are in the same room as the gas fueled lawnmower and snow equipment, and should be in separate rooms. Code issues.

P14. 1 ½" hose connection in the ambulance garage has a Watts 188A atmospheric vacuum breaker. Faucets have hose threaded end vacuum breakers. Watts 009 RPZ backflow preventer installed for the boilers.

P15. Continental commercial laundry unit located in the garage.

P16. Drain tile sump and 1 ½" discharge submersible pump in the basement. Clearwater and 2" discharge submersible pump in the workshop for basement floor drains. Check valve installed in pump discharge. Sump/pumps discharges to the basement storm sewer. No high water alarm installed.

P17. Ambulance garage: trench drains and a garage catch basin installed.

P18. Parking lot pitches to the adjacent streets. Gutters/downspouts discharge to grade/street.

P19. Building is served by a 2" water main from Hazel Street. 6" sanitary discharges to Shawano Avenue. Sanitary sewer main is 94" (above floor) in basement. Storm sewer discharges to Shawano Avenue. Fire hydrant on the SE corner of property. Main vent and sump pit vents exit the west wall of the building.



Water Piping – Garage



Sanitary Piping - Garage



Cast Iron Sanitary Piping - Basement



Sanitary piping - Basement



PVC Piping – Basement



Water Service, Water Meter



Water Heaters – Gas Fired



Water Heater – Gas Fired



Backflow Preventer (serving boilers)



2-Compartment Sink – Kitchen



Water Closet – Women's



Lavatory – Women's



Shower – Women's



Toilet Room – Off Dining Area



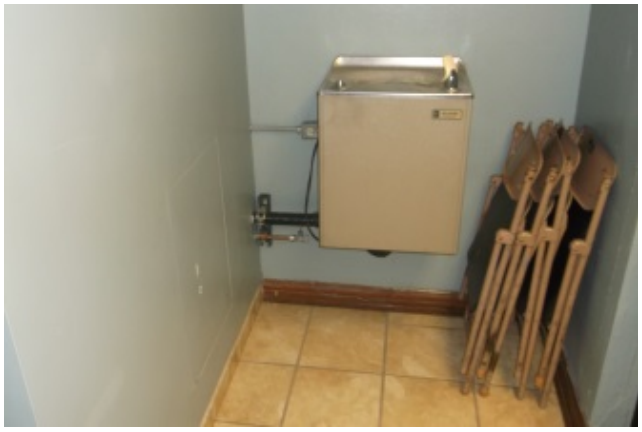
Water Closet – Men's



Lavatories – Men's



Urinal – Men's



Electric Water Cooler



Shower – Men's



Shower Service Faucet



Commercial Washer – Garage



Sink – Garage



Oxygen Storage in Garage



Air Cylinders and Filling Equipment



Cylinder Storage and Filling Equipment



Sump Pit and Pump



Clearwater Sump/Pump



Main 4" Vent and Sump Pit Vent



Hydrant and Water Stop



Manhole – Storm



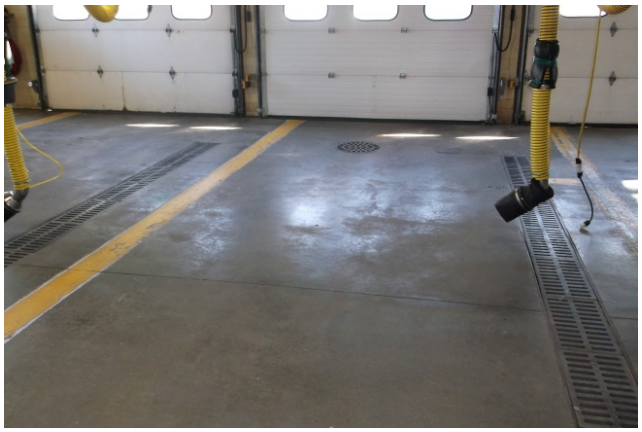
Gutter and Downspouts



Gutter and Downspouts



Gutter and Downspouts



Garage Trench Drains & Catch Basin

HVAC SYSTEMS

Summary

The facility is split into two areas, the apparatus room/storage and the living quarters. Although a majority of the distribution infrastructure is original, multiple minor renovations and mechanical upgrade projects have taken place over the buildings life.

The living quarters is served by a packaged roof top air unit with gas fired heat. The air unit system provides either heated or cooled air to the living quarters and utilizes zone dampers to regulate air flow and provide a measure of individual room temperature control. The living quarters is also served by perimeter radiation using separate thermostats or manual operation for temperature control. The dual space thermostats combined with varying occupancies and envelope orientations, and some manually controlled radiation units are creating some undesirable air unit zone temperature fluctuations. Occupants indicated that the temperature regulation is difficult in the heating season due to the manual adjustments of the steam radiators.

The return grill at the sleeping room nearest the air unit is somewhat noisy. Some noise is noticeable from the supply grilles in the same room. This noise may be objectionable to the occupants.

The basement workshop/storage room is ventilated with a two speed exhaust fan. No make-up air source, other than opening a series of doors, was visible.

Residential style humidifiers are located in the facility's sleeping rooms.

The toilet/shower rooms are ventilated by ceiling mounted fan. This fan is light switch operated and appears to be too small to ventilate the room at acceptable flow rates. Some storage rooms and closets that store cleaning chemicals are not ventilated.

The kitchen ventilation hood is served by a side wall exhaust fan located on the side of the building. The fan is positioned above an operable window approximately 9 feet above grade. The kitchen hood appears to be a type 1 hood, painted, with a horizontal grease filter. A stove with side griddle is located beneath the hood.

A low pressure steam boiler, installed in 2008, is located in the lower level mechanical room. Steam piping is routed to the office area and the apparatus room heating units through a tunnel located around the buildings perimeter.

The air unit and zone VAV controls are low voltage. Apparatus room ventilators utilize pneumatic controls. The air compressor is located in a first level mechanical/storage room.

The areaway louver for boiler combustion and room exhaust air is partially plugged with leaves and debris. The areaway appears to be retaining water.

The apparatus room ventilation system was replaced in 1987 and consists of a steam unit heater, make-up air unit, and exhaust fan. The make-up air unit and exhaust fan was designed to operate intermittently using a 60 minute timer switch. A truck exhaust system (PlymoVent) is connected to each truck and utilized to capture and expel exhaust fumes as trucks leave the building. A sign adjacent to the door between the apparatus room and living quarters indicates the door must be kept shut due to pressure and odor issues.

Lawn mowers, snow blowers and other equipment are stored in a separate, non-ventilated room off the back of the apparatus room. Compressed air and oxygen cylinders are also stored in this room.

The generator is located in the original tower structure. There is an abandoned exhaust fan approximately ½ of the way up the tower. This opening appears to be the ventilation combustion air opening for the generator.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air Unit			**H1**	Installed 2008. Trane roof top packaged YSC series, 10 ton cooling with gas heat.
Housing	**C**			
Air intake	**C**			
Condenser Fins	**C**			
Fan	**C**			4000 CFM, 5 HP
Filters	**C**			30% filters
Controls	**C**			Low voltage, zone dampers
Ductwork	**C**			All new in 2008
Insulation	**C**			
Humidity	**HP**	$10,000	**H1**	Residential type unit. Manually filled. Humidification is not a code requirement.
Basement work/storage room ventilation	**D**	$12,000	**H1**	Exhaust fan, no make-up air source. Objectionable room odors.
Occupied Space Thermal Comfort	**HP**	$60,000	**H1**	Air unit zone thermostat and manual radiation control conflict. Air unit discharge temperature is affected.
Exhaust Fans				
Men's Room Exhaust	**D**	$5,000	**H2**	Two speed ceiling mounted fan. Light switch operated.
Women's Room Exhaust	**D**	$5,000	**H2**	Exhaust vent low in room, unknown fan source.
Ductwork	**D**	$1,000	**H2**	Undersized for higher ventilation rates.
Kitchen Hood, Fan and Ductwork	**HP**	$25,000	**H3**	Type 1 hood. Wall mounted fan discharges too low to ground and between operable windows. Galvanized ductwork. Horizontal grease filter.
Boiler System	**C**		**H4**	Installed 2008
Boilers	**C**			Weil McLain, 639 MBH input, 515 MBH output Low Pressure steam. Inspected 2012.
Pumps	**HP**	$1000	**H4**	1/3 HP Simplex Condensate pump.
Piping	**C**			New at boiler room. Mostly original throughout building. Steel.
Pipe Insulation	**HP**	$4,000	**H5**	Most of the piping is insulated. A few spots are bare or have damaged insulation.

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Room Terminal Units	CP	$20,000	H6	Radiators and fin tube with Danfoss Valves. Some do not appear to have control. Units appear to be original.
Mechanical Room Ventilation	D	$5,000	H7	Damper for boiler combustion. No intake for generator combustion air (possibly the abandoned tower fan above). Gas meter regulator vent close to operable window.
Controls				
Air Compressor	C		H8	Serves boiler room and apparatus room equipment.
Garage Ventilation			H9	
Make-up Air Unit	CP	$60,000	H9	Installed 1987, McQuay 3LSL103CH, steam heat. Older unit abandoned in place. Hose exhaust now discharges into old unit intake.
Exhaust	CP	$20,000	H9	Installed 1987. 1300 CFM, ½ HP fan motor.
Truck Exhaust	C			PlymoVent.
Control	D	$10,000	H9	Pneumatic control. 60 minute timer switch.
Storage Room Ventilation	D	$5,000	H10	Gas storage adjacent to gas powered equipment. No room ventilation.
Dryer Exhaust	D	$500	H11	Terminates inside.

NOTES:

H1. The air unit is seven year old. Expected useful life is 20 years. The air unit is a multi-zone system utilizing zone dampers to regulate individual room air flow. The unit has a master zone terminal to set the unit to heating or cooling mode. The zone dampers will adjust air flow to maintain space temperature based on a rooms heating or cooling requirements. When installed, this system was an economical way to provide some measure of individual room temperature control. In addition to the zone VAV units, the perimeter rooms utilize radiators for additional heat. When both systems are operational, the zone damper control can conflict with the radiation control and this causes variations in the air unit discharge temperature which then will affect heating and cooling throughout the office area. Occupants confirmed a general dissatisfaction with the ability to regulate temperatures, especially during the heating months. To increase room comfort, it is recommended to install individual room reheat coils controlled in parallel with the room radiation devices through a single zone thermostat. Consideration should be given to replacement of the steam radiators with hot water radiation devices.

The supply and return grilles closest to the air unit are slightly noisy and may be objectionable to the occupants. Recommend relocation of the diffusers or installation of a sound attenuator to reduce the noise in this critical room.

A portable residential style humidifier is located in the sleeping rooms. This indicates that the occupants are attempting to regulate the building humidity to improve their comfort. These units will actually improve humidity only slightly, but may have a greater psychological effect. This is because the air unit will introduce a greater amount of dry outside air than these units can properly humidify. To humidify this building, it is recommended to install an electric or gas fired humidifier that is sized to serve the entire office space.

The storage rooms are not ventilated. There are some cleaning supplies and linens stored in the same room. The odors could be objectionable to the occupants. These couple rooms would benefit from a small amount of ventilation air.

A basement workshop/storage room is ventilated with only a two speed, manually operated exhaust fan. This room had a strong objectionable odor in it, the source of which could not be identified. There is no make-up air source to the room should the fan be operated. Recommend the installation of a make-up air source and replacement of the fan with controls to operate them automatically when the room/building is occupied.

H2. The Men's toilet fan is ventilated with a light switch operated ceiling fan. The fan is not sized to ventilate the shower and toilet room at current recommended ventilation rates. The Women's toilet has an exhaust grille, but a fan was not readily identified as being associated with this room. Replacement of the fans and interlocking them with the air unit operation is recommended.

H3. The kitchen hood appears to be an older type 1 hood. The ductwork is galvanized and not sealed liquid tight. The hood is painted which makes cleaning more difficult as paint will flake off and possibly drop into the food product. The grease filter is placed horizontally in the vent discharge. This position is inadequate as grease can drip from the filter into the food product being prepared on the stove top. The fan is located too close to grade and the adjacent operable windows. The installation of a type 1 hood equipped with a fire suppression system and vented with approved liquid tight ductwork is recommended.

H4. The boiler is a low pressure steam boiler. The boiler system was replaced in 2008 and last inspected in 2012. A more recent inspection sticker, similar to those seen at other fire stations, was not visible. A condensate pump is located behind the boiler. The pump is older but has a newer motor installed. The identification tags on the pump were unreadable. The pumps appearance indicates it will require replacement within a few years.

H5. Uninsulated piping is visible in the mechanical rooms and apparatus room. The majority of the piping appears to be insulated. The uninsulated pipe allows unregulated heat loss into the spaces. It is recommended to insulate all bare piping and repair the damaged pipe insulation.

H6. The radiator units are controlled with Danfoss valves. Some of the radiator units do not appear to be controlled and radiate heat whenever the boiler is operating. The units appear to be original to the building and paint is peeling from the units. The occupants indicated that adjusting the units to regulate space temperature is difficult and often the radiators will "fight" with the ducted ventilation system making other areas of the building uncomfortable.

H7. The mechanical room ventilation consists of an outside air louver covered with a damper. The ventilation damper opens when the boiler is firing. The louver is otherwise closed. There is no make-up air for the water heater combustion. This outside air damper should remain partly open, even in the closed position to accommodate the water heater combustion needs. The intake louver is partially plugged with debris as it appears to be set too close to the bottom of an areaway. The gas meter regulator is too close to an operable window. A project to improve the boiler room combustion ventilation, and pipe the gas regulator away from the operable window is recommended.

H8. A small simplex fractional horsepower air compressor serves the building pneumatic control system. The building pneumatic controllers consist mainly of a few control valves on apparatus room equipment. The remainder of the control system (air unit, room terminal units, and boiler) is low voltage electric (DDC) controls. It is recommended that building improvement projects include the replacement of the remaining pneumatic controls with low voltage devices. This will allow the removal of the air compressor.

H9. A make-up air unit and exhaust fan was installed in 1987. These units were originally operated by a manually operated timer switch, which was not readily identified within the space. These units have reached the end of their useful life. A steam unit heater provides additional heat to the front of the garage. The occupants identified that garage odors can be noticeable in the living quarters.

A PlymoVent exhaust system is connected to each truck parked in the garage. This system operates whenever a truck is started and the vehicle exhaust is expelled from the garage. The fan is mounted on the building exterior wall (outside) and terminates above the roof.

An enclosed garage has specific exhaust code requirements and the garage is required to have a negative pressure in relation to the living quarters. A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. The PlymoVent truck exhaust system alone does not meet the ventilation requirements for an enclosed garage. A garage exhaust fan upgrade project to install new make-up air fan, exhaust fan and control systems is necessary to improve garage ventilation and occupant safety. Due to their age and current operational state, it is also recommended to replace the make-up air unit with radiant heaters at the same time as an exhaust upgrade project.

H10. A storage room behind the apparatus garage is not ventilated. This room houses the make-up air unit for the apparatus garage, a new boot dryer, gas powered equipment, a compressed air fill system, and gas storage racks. The compressed gas tanks are required to be stored in a ventilated room. The combination of all this equipment could be hazardous. It is recommended to create a compressed gas storage room and ventilate the room according to NFPA requirements.

H11. A laundry dryer is located in the storage room behind the apparatus garage. The dryer terminates inside the room. This termination allows warm, moist air to be vented directly into the room. It is recommended to vent this unit to the outside.



Roof Top Air Unit



Roof Exhaust Hood (Typical)



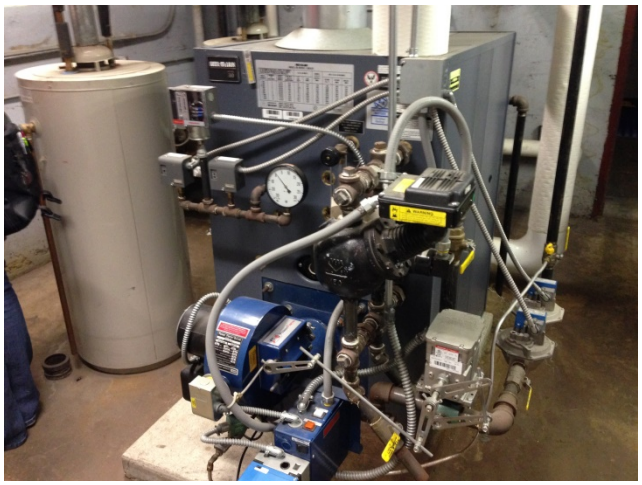
Ceiling Mount Fan (Typical)



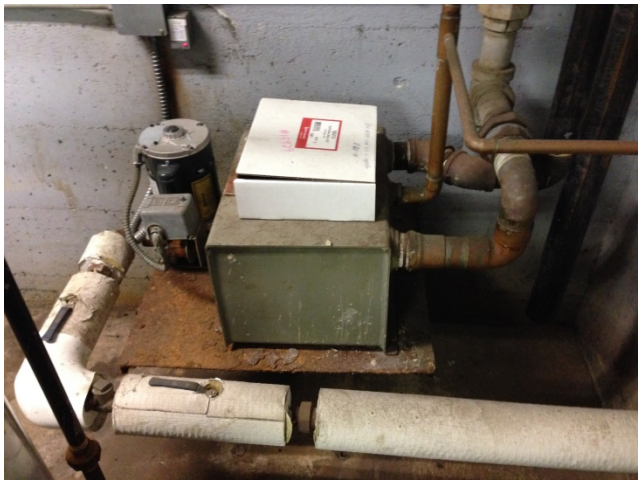
Kitchen Exhaust Fan



Kitchen Hood (Inside View)



Boiler



Condensate Pump



Radiation Unit (Typical)



Uninsulated Pipe (Typical)



Poor Insulation Condition



Home Humidifier in Sleeping Room



Fan in Sleeping Room



Missing Radiation End Piece



Basement Exhaust Fan



Supply Grille (Typical)



Compressed Gas/Storage Room



Temperature Control Air Compressor



Typical Thermostat



Plugged Areaway (Boiler Intake)



PlymoVent Control Panel



Plymo Vent Hose



Garage Exhaust Vent Fan



Gas Meter



Covered Areaway (Exhaust Fan Below)



Make-up Air Unit



Hose Dryer (Abandoned Air Unit)



PlymoVent Fan



Laundry Dryer Vent

ELECTRICAL SYSTEMS

Summary

The building is served by a 200 Amp, 120/240 Volt, single phase service. The panels are in good condition, but have limited future capacity. The emergency generator serving the building is in fair condition. The emergency system is fed from a single transfer switch and panel board. The panel is in good condition and has some future capacity. An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads.

The outlets within the garage and exterior mounted outlets are not GFCI protected. Exterior outlet covers are also not all weatherproof while-in-use. Lighting fixtures are in good to fair condition and utilize T-8 lamps and ballasts, screw-in compact fluorescent lamps, and a few industrial strips with T-12 lamps and magnetic ballasts located in the basement. These should be replaced to T-8 lamps and electronic ballasts. There are occupancy sensors located in the toilet rooms, but the facility should install occupancy sensors in offices, conference rooms/classroom, storage rooms and janitor's closets. HID building mounted fixtures are in fair condition; consideration should be given to replacing with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition and the facility is pulling Cat 5e and Cat 5 data and voice cabling and coax for CATV. The fire alarm system includes stand-alone smoke detectors throughout the building, which are in good condition. There are also stand-alone carbon monoxide detectors located throughout the building in good condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Electrical Service				
Utility Service Entrance	C			Overhead utility service enters the building on the east side.
Normal Power Distribution Equipment				
Branch Panels	C		E1	An old Westinghouse panel in the basement and two Square D load center panels, one on 1st and one on 2nd floor in good condition– all mostly full.
Emergency Power Distribution Equipment				
Generator	F			15 KW Kohler natural gas unit in fair condition. Generator currently surrounded by storage, remove and keep area clear for access.
Transfer Switch	HP	**$5,000**	E2	Zenith Kohler ATS in fair condition.
Branch Panel	HP	**$10,000**	E2	Square D load center in good condition and with some future capacity. Mixed loads.
Power				

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Receptacles	D	$1,000	E3	Kitchen, garage, and exterior outlets need to be GFCI. Provide weatherproof while-in-use covers for all exterior outlets.
Lighting				
Garage	C			Industrial fixtures with T-8 lamps in good condition.
Office spaces, conference rooms, and corridors	F	$2,000	E4	Recessed acrylic lens troffers and surface mounted wrap-arounds with T-8 lamps, in fair to good condition.
Sleep Rooms and Toilet Rooms	F	$2,000	E4	Recessed acrylic lens troffers and surface mounted wrap-arounds, in good condition. Shower fixture is incandescent and not wet location, or is missing a lens.
Mechanical spaces, storage rooms, utility areas	F	$2,000	E4	Industrial strips with mostly T-8 lamps and a few T-12 lamps, in fair condition.
Exterior	F	$5,000	E5	HID wall packs in fair condition.
Lighting Controls				
Conference or Meeting Rooms	HP	$1,000	E6	Add occupancy sensors
Offices	HP	$1,000	E6	Add occupancy sensors
Toilet Rooms/ Small Storage Rooms	F	$500	E6	Toilet rooms have occupancy sensors in good condition; add sensors in janitor and storage rooms.
Emergency Exit Signs				
Exit Signs	F			LED type in fair condition.
Fire Alarm Devices				
Smoke Detectors	HP	$200	E7	Stand-alone smoke detectors and carbon monoxide detectors throughout the building.
Telecommunications				
Data/Voice	C			Cat 5 and Cat 5e cabling
CATV	C			Coax

NOTES:

E1. Additional panels will need to be added if a renovation would require additional circuits. It may require the existing service size to be increased. Recommend replacing the outdated Westinghouse panel in the basement with new.

E2. Recommend providing an additional automatic transfer switch and panel board to separate the critical and equipment branch loads onto a new panel and leave the existing panel with the life safety loads.

E3. Replace all outlets located in the garage area and exterior outlets with GFCI type devices. Replace existing plug mold and other outlets within 6 feet of the sink with GFCI type devices. Add weatherproof while-in-use covers on all exterior outlets.

E4. Consideration should be given to replacing older fixtures with new. Replacement or repair should be done on fixtures with broken or missing lenses. Fixtures still using T-12 lamping should be replaced to T-8 lamping and electronic ballasts. The shower fixture should be replaced with wet location type with T-8 lamps to provide a higher light level in the shower room.

E5. Consider replacing HID fixtures with more efficient LED in the future.

E6. Occupancy sensors should be installed in the meeting room, classroom, offices, storage rooms, and janitors closet to provide additional energy savings. If areas are renovated, controls will be required to be updated to meet current energy code.

E7. Recommend adding a smoke detector in the small sleeping area on 2nd floor. There appears to be a mounting bracket already located on the wall.



Electrical Utility Service Entrance



Main Electrical Equipment



Existing Panel



Telephone Network Board



Generator



Emergency Disconnect and Transfer Equipment



Emergency Panel



Clearance Issue



Existing 1st Floor Panel



Sleeping Area Lighting



Existing 2nd Floor Panel



Data Rack



Kitchen Plug Mold



Exterior Outlet



Garage Outlets



Exit Sign



Corridor Lighting



Dining Room Lighting



Exterior Wall Packs



Garage Lighting



Stand-Alone Carbon Monoxide Detector



Stand-Alone Smoke Detector



Exposed Shower Light



Garage Door Controller

EVALUATION

OF

CITY-OWNED FACILITITES

FIRE STATION #4

August, 2015

FIRE DEPARTMENT

SUMMARY

Date of Visit: June 11, 2015
Address: 2650 West Point Road

Building Description

Constructed in 1999, the three-bay-wide apparatus room of Station #4 is flanked on the east by mechanical and storage rooms, and a storage mezzanine, and on the west by the office/residential wing. All roofs are intersecting pitched gables. There is a basement under the office/residential wing only. Sealants appeared dry, and are approaching their life span. Steel lintels throughout the building showing oxidation and spalling paint. Casework in the building is showing wear.

Excessive settlement around and including the storm sewer catch basin was observed on the north side, immediately outside of the furthest west bay of the apparatus room.

Code/Accessibility

Most of the building is in compliance with current code and accessibility requirements. Some storage items are located in the stair shafts. As this is not a grandfathered building feature, and does not comply with current code (IBC 1022.1), these items should be removed.

Structural System

The structure consists of steel roof deck and open web steel joists supported on a frame of steel wide flange beams and steel tube columns. Masonry walls are non-load-bearing and there is a basement under the living quarters.

Plumbing Systems

The original piping and pipe insulation is in good condition. A thermal mixing valve(s) (TMV) should be added to the hot water systems and hot water temperature adjusted to 110° Fahrenheit. This is a code issue that should be corrected.

Fire Protection Systems

Fire Station #4 was built in 1999 and was fully sprinkled at that time. The originally installed fire sprinkler system piping and equipment appears to be in good condition and is free of leaks and corrosion.

The building is considered fully sprinkled and appears to meet the requirements of that designation.

HVAC Systems

The living quarters is served by a modular air unit. Wall mounted fin tube radiation provides additional heat along some of the perimeter rooms. The toilet/locker rooms are served by a cabinet fan located in the apparatus garage. The basement data/electric room is served by a ductless split system air conditioning unit. A hot water boiler system is located in a basement mechanical room.

Apparatus room controls are electric. The controls for the living quarters are pneumatic. The living quarter's control system has been revised slightly to lock-out the occupant's ability to change the space temperatures. To change the space temperature, the control company is called in to connect their computer to the building system and the set point is changed.

The apparatus garage is served by (2) gas fired make-up air units. A gas detection system is located in the garage. A truck exhaust system (PlymoVent) is connected to each truck and utilized to capture and expel exhaust fumes as trucks leave during fire calls.

Electrical Systems

The panels are in good condition, and have capacity for the future. There are two emergency generators serving the building; both are in good condition with some future capacity. The outlets within the garage are not GFCI protected.

Exterior outlets are GFCI, but their covers are not weatherproof while-in-use. HID building mounted fixtures and downlights are in good condition; consideration should be given to replacing the HID fixtures with more efficient and lower maintenance LED fixtures in the future. Fire alarm notification coverage appears to be compliant.

Estimates

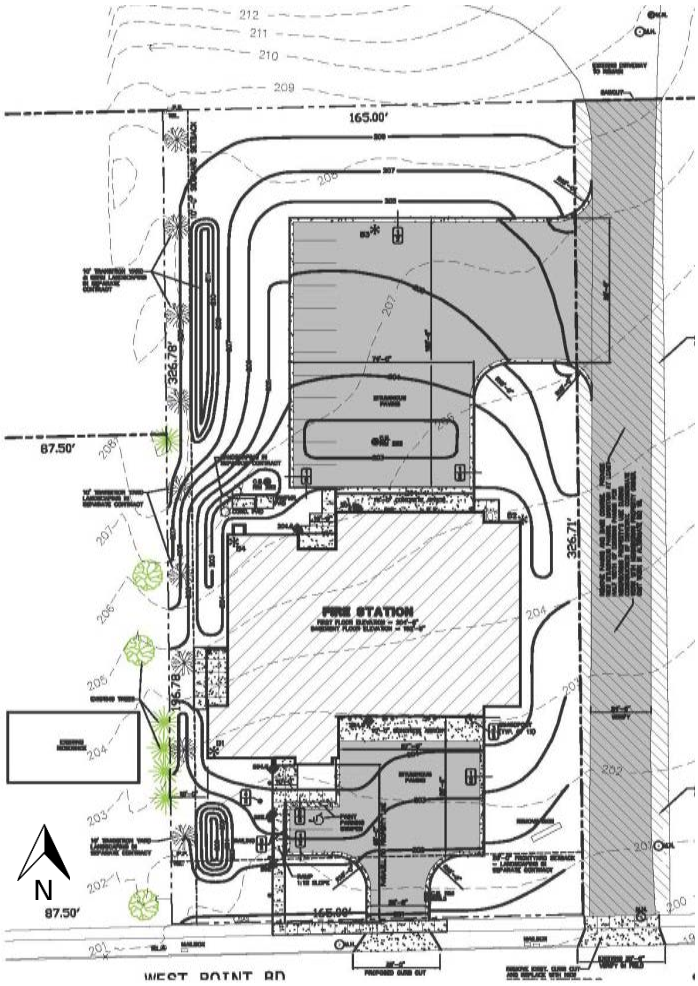
Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

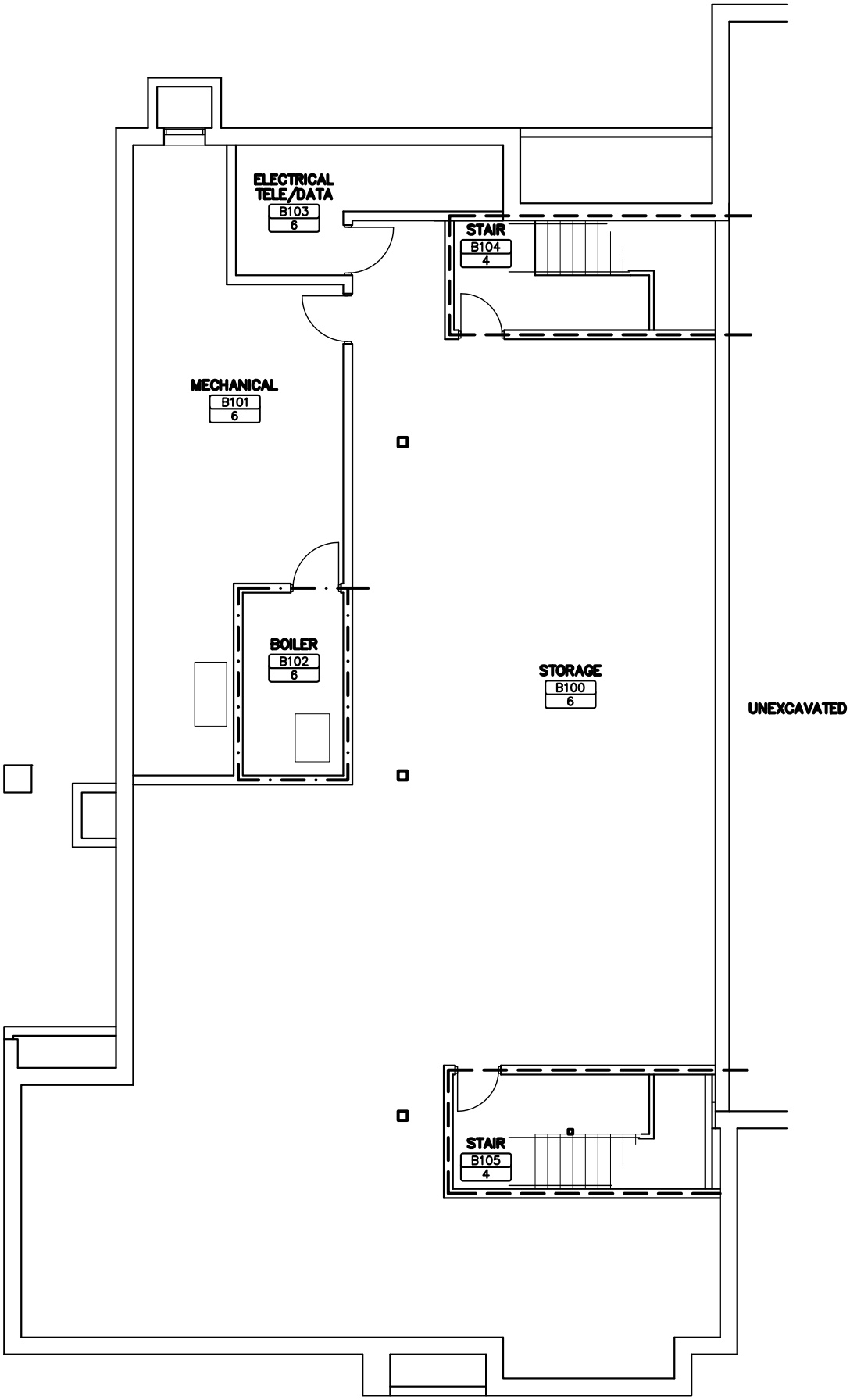
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural			Casework	**$6,000-$8,000**
Code/ADA				**NA**
Structural				**NA**
Fire Protection	Kitchen Hood System			**$100**
Plumbing	Code Issues			**See TMV**
	Thermal Mixing Valve			**$10,000**
HVAC Systems			Humidity	**$10,000**
			Occupied Space Ventilation (Basement)	**$7,000**
			Occupied Space Thermal Comfort	**$2,000**
			Exhaust Ductwork	**$2,000**
			Kitchen Hood, Fan and Ductwork	**$15,000**
	Piping			**$4,000**
			Mechanical Room Ventilation	**$500**
			Room Control	**$2,000**
	Dryer Exhaust			**$1,000**
HVAC Subtotal				**$43,500**
Electrical	Receptacles			**$1,000**
Building Total				**$60,600-$62,600**



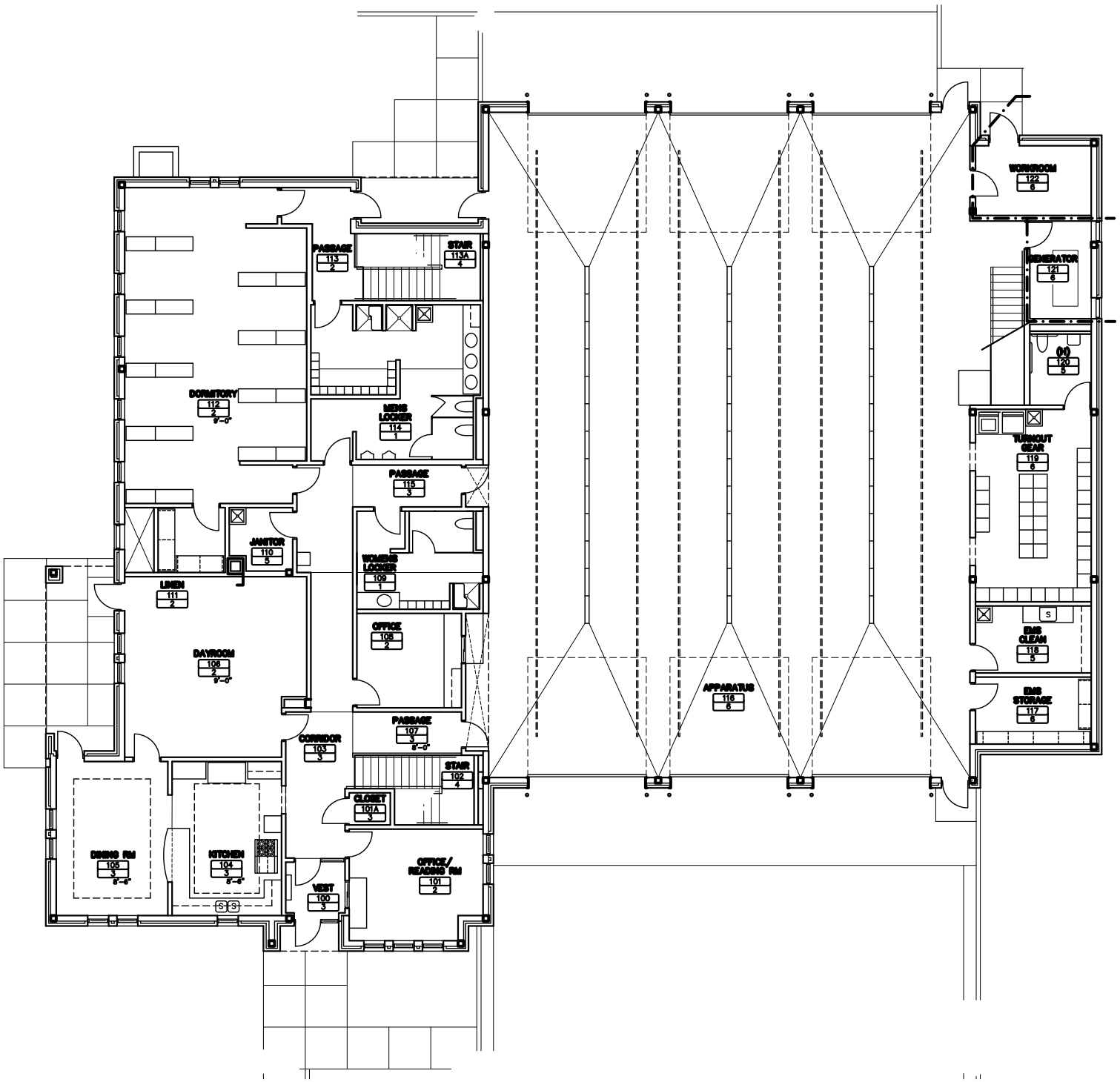
Aerial View of Site



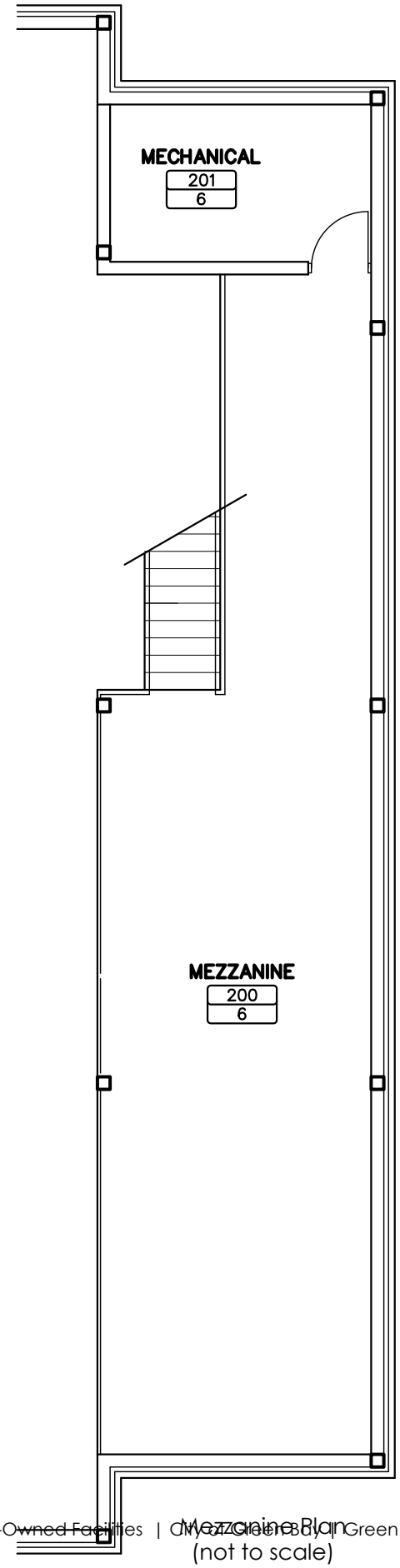
Site Plan



Basement Plan
(Not to scale)



Basement Plan
(not to scale)



Mezzanine Plan
(not to scale)

ARCHITECTURAL

Building Description

The three-bay-wide apparatus room of Station #4 is flanked on the east by mechanical and storage rooms, and a storage mezzanine, and on the west by the office/residential wing. All roofs are intersecting pitched gables. There is a basement under the office/residential wing only. The mezzanine is accessed by a metal grate stair from the apparatus room floor.

The office/residential wings have a central corridor connecting the aluminum front vestibule to two passages, both of which lead to the apparatus bay. Offices, kitchen/dining, dayroom, and janitor, Men's and Women's rooms and the south end of the dormitory are accessed from the corridor. The dormitory has a second egress via the rear stair enclosure, exiting to the north parking lot.

The basement includes mechanical rooms, workout space, a training room, storage, and a data room utilized by both fire department and other law enforcement branches. A caged storage area secures historical files for the department.

Site Utility Settlement

Excessive settlement around and including the storm sewer catch basin was observed on the north side, immediately outside of the furthest west bay of the apparatus room. Saw cutting the paving, adding backfill and regrading, proper compaction, adding extension rings at the storm structure and patching the asphalt recommended to avoid damage to vehicular traffic utilizing the drive.

Building Envelope

Exterior walls

Exterior wall is comprised of a 1'-3" wide, double wythe cavity wall; a utility-height face brick separated by a weeped and vented air space, 2" of rigid insulation and an 8" concrete block backup. There is a soldier course band of utility brick at the base; two courses of split-faced concrete block headers at the doors and windows and five course of split-faced concrete block at the head of overhead sectional doors to the apparatus room.

Weep holes in the face veneer were generally clear and continued maintenance and inspection is recommended.

Sealants appeared dry, and are approaching their life span. Heightened inspection for separation from substrate recommended.

Cracks observed in a few locations along the inner wythe concrete block wall at the exterior. They were specifically noted at the outside corners of the southeast office/reading room and below the windows in the lounge near the patio. There were no signs of splitting or telescoping at the face brick mortar joints or the foundation wall.

Steel lintels throughout the building showing oxidation and spalling paint. Cleaning and touch-up paint is recommended.

Overhead sectional doors are seven-panel, with four lights. They appear to be in good working condition, including the operators.

Roof

The pitched roof is on steel trusses, with the insulation and control layers typically at the roof line. Asphalt shingles appeared to be in good order; minimal penetrations were noted.

A minimal overhang is utilized at rakes and eaves. Overhang at the patio is finished with a solid interlocking aluminum panel.

Sheet metal flashings and trim appeared to be in good order. Gutters and open-faced downspouts were clean and well maintained.

Windows
The majority of the window openings are casement style, wood, operable windows and appear in good working condition.
Sealants appeared to be dry and are approaching their life span. Heightened inspection for separation from substrate is recommended.

Interior Finishes

Floors
Basement training room and first floor living spaces are carpeted. Other basement areas are sealed concrete. Stair landings and floors within the enclosure are patterned rubber tile. Stair treads and risers are one-piece rubber with matching pattern on the treads.

First floor corridor, kitchen and dining has 12" porcelain tile floor with matching base. Locker/toilet rooms have a 2" x 2" ceramic tile floor and 4" glazed cove base.

Walls
Almost all interior walls are painted concrete block. The shower stall walls have glazed 4 ¼" x 4 ¼" tile. A basement wall built after the station's construction is gypsum board faced.

Doors
Most exterior and utility/storage room doors are painted metal. The main entrance from the south parking area has white aluminum entry doors and sidelight at both sides of the vestibule. Offices and the door from dining to exterior patio have a 3" wide central light in the door, half height. Other interior doors are flat-panel, oak veneer, medium stained, with metal frames.

Ceilings
The majority of ceilings are 2'x2' lay-in acoustic tile. Gypsum board soffits are used at casework locations. Open basement, apparatus and mezzanine areas are exposed structure.

Casework
Casework at kitchen, offices and toilet rooms is plastic laminate bodies and tops. One upper cabinet is noted as not secured to wall. Several tops and door fronts are showing chipping and wear.

Dormitory sleeping areas are separated by built-in plastic laminate closet/desk. These appear to be in good condition. Units are approximately 6'-10" tall, allowing 8 to 10 inches of clearance to the ceiling.

Storage rooms have painted particle board shelves on metal shelf standards. The equipment room of the apparatus bay has open metal grid lockers. Standard metal lockers are in Men's and Women's locker rooms.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	C			
Exterior Facade Condition	C			
Exterior Door Condition	C			
Window Condition	C		A1	
Floors	C			

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Walls	C			
Doors	C			
Ceilings	C			
Casework	HP	$6,000 - $8,000	A2	See note regarding budget.

NOTES:

A1. Heightened sealant inspection recommended.

A2. Recommend repair/reattachment of casework upper that is not attached to wall currently. Due to wear on many tops, solid surface material should be considered for future replacements. Replace or resurface damaged plastic laminate at doors/drawer fronts. Low end of budget cost range reflects kitchen tops only. An evaluation by casework manufacturer is recommended to better assess amount of repair needed at door/drawer fronts.



South (Front) Elevation



North/East Elevations



North/West Elevations



South/West Elevations



Apparatus Bay and Mezzanine Beyond



Depressed Catch Basin and Paving



Basement Workout Room



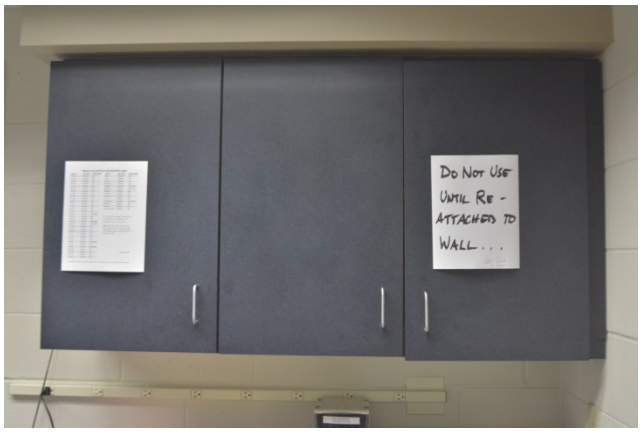
Basement Training Room



Kitchen/Dining



Damaged Laminate at Kitchen



Office Casework



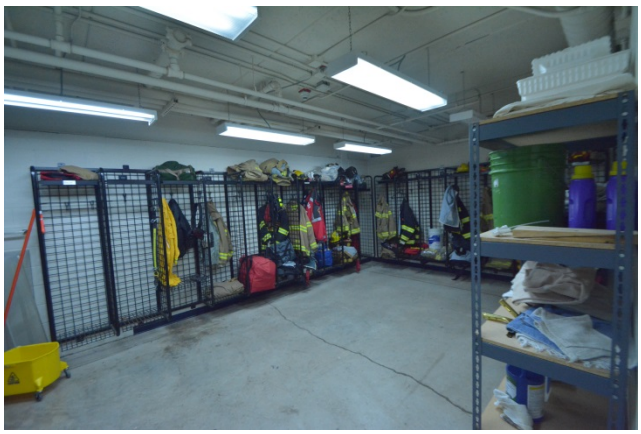
Office/Reading Room



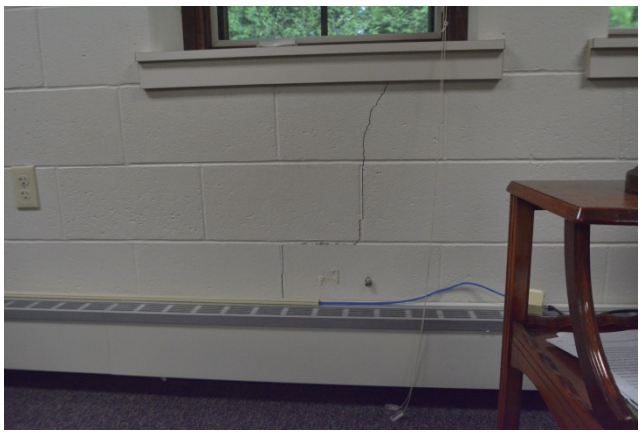
Men's Room



Dormitory



Equipment Storage



Reading Room Exterior Wall

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1999	**Gross Area**	Basement: 4,273 SF First Floor: 10,065 SF Mezzanine: 1,022 SF
Occupancy Classification *(Chapter 3 of IBC)*	**S-1** Moderate-hazard Storage non-separated from **B** Business and **R-3** residential		
Construction Type *(Chapter 6 IBC)*	Construction Type II-B		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

The building code for the State of Wisconsin at the time would have placed this building in Chapter 54, Factories, Office and Mercantile occupancy. The classes of construction at the time would have been Fire-resistive type B. The building's materials would place it equivalent to Type II-B in the 2009 IBC.

The current 2009 IBC does not specify fire stations as being Business occupancy, therefore the building occupancy may be determined more by usage of space. For Fire Station #4, the basement and the east half of1st floor are non-separated B-business and S-1 storage. The west half of 1st floor is non-separated B Business and R-3 Residential, based on the definition of congregate living facilities as those where residents share bathroom and/or kitchen facilities.

Egress and Safety

The apparatus bay provides two legal means of egress doors in addition to the overhead doors. Storage and mechanical rooms and mezzanines on the east side of the apparatus bay also egress through these doors, with an additional egress door in the workroom.

The business and residential areas of the building offers three egress points in addition to the connections to the apparatus bay. The area of the mezzanine is less than one-third of the floor area of the room in which they are located, which complies with current codes (IBC 505.2). Mezzanine access is via an open metal-grate stair from the apparatus bay.

Stair Shafts

The south stair is separated from the basement by a 1 -1/2 hour rated door, but is open to first floor. The north stair is similar, except that it opens to an enclosed passage on 1st floor that acts as a sort of vestibule. The enclosure at the bottom allows the stairs to technically comply with the requirement for enclosure (IBC 1022.1). Under current code, the Men's bathroom and locker room would not be allowed to open onto the exit enclosure at the north stair (IBC 1022.3), but would be allowed as grandfathered from the 1999 code.

Some storage items are located in the stair shafts. As this is not a grandfathered building feature, and does not comply with current code (IBC 1022.1), these items should be removed.

Handrails and Guardrails
Hand rails at both stairs in the business/residential area are at 33" above the nose of the tread, which is below the minimum of 34" per current code (IBC 1012). Guard rail height is just below the required 42" called for currently (IBC 1013). Openings at sides of stairs below handrails is typically 5 ½", with larger openings at the stair edges. None of these situations poses a significant hazard, and they are grandfathered in as compliant, so no changes are recommended. Handrail extensions comply with current code.

Handrails at the stair to the mezzanine are 32 ½". As noted above, this does not comply with current code, but is allowable. The guards at the open storage mezzanine are 42" above the floor, which does comply with current code. The openings at both the mezzanine stair and mezzanine floor are significantly larger than the interior stairs, ranging from 11 ½" to 17". As these areas are in the storage occupancy part of the building, and not open to the public, they would comply with IBC 1013.3, Exception 4.

Summary of Accessibility/ADA Compliance

The following summary of accessibility is provided for owner reference, with the acknowledgement that persons using this building can only do their job if they do not have accessibility needs. Additionally, the public does occasionally access the fire stations for school tours etcetera, so safety and compliance are required. As noted above, accessibility may be mandated by code based on the extent of work being done.

Accessible Route
Entry to the building is at-grade at all building entrance/egress points. A 5'-0" wide corridor is provided in the occupied building areas. Accessible parking space and proper signage is provided at the front of the station.

Doors
All doors are 36" with lever or push/pull hardware, which complies with accessibility guidelines. Maneuvering space is provided in most cases as well. A refrigerator in the dining area could be moved to provide better maneuvering space for the door to the exterior patio.

Plumbing Fixtures
The sink in the kitchen is at 36" rim height, which is higher than allowable for accessible side reach. The drinking fountain spout height is at 35", which complies with ADA 602.4. Bathroom lavatories are slightly above the 34" maximum for accessibility. One accessible shower is provided in both Men's and Women's locker rooms. Since the time of construction, a vertical grab bar has been added to the requirements for accessible toilets. This could easily be added.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

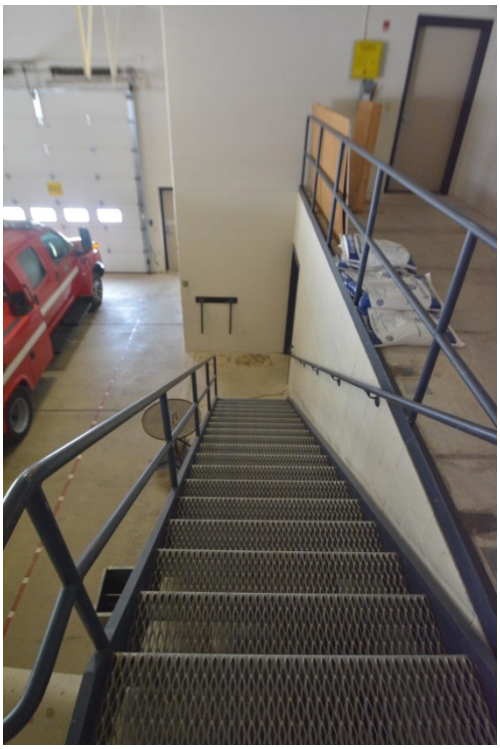
ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Egress and Safety	C			
Stair Shafts	C			All storage items should be removed from stair enclosures.
Handrails/Guardrails	C			
Accessible Route	C			
Doors	C			
Plumbing Fixtures	F			Sink rim is too high.
Grab Bars at Fixtures	C			Vertical grab bar could be added at toilets.



Accessible Parking and Entry



Corridor and Top of South Stair



Stair to Mezzanine



North Stair at Basement



Doors and Hardware



Lever Handle



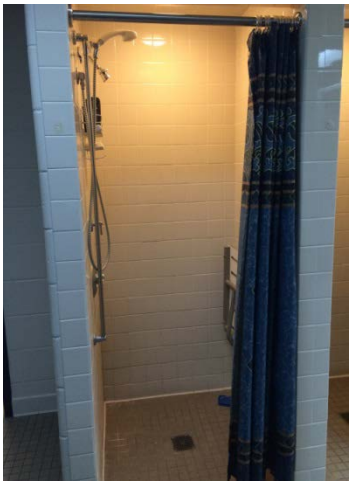
Kitchen



Men's Lavatories



Accessible Toilet Stall



Accessible Shower Stall

STRUCTURAL SYSTEM

Summary

The structure consists of steel roof deck and open web steel joists supported on a frame of steel wide flange beams and steel tube columns. Masonry walls are non-load-bearing and there is a basement under the living quarters.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1999 (Berners-Schober Comm. No. 4694)
Structure type				
Foundations	**C**			Cast-in-place concrete foundation and/or basement walls bearing on individual spread or continuous strip footings.
Basement	**C**			Under west half (Living Quarters) of the building. Floor is a 4" concrete slab on grade with 6x6 – W1.4xW1.4 welded wire mesh reinforcing.
1st Floor	**C**		**S1, S2, S3**	a. Living quarters floor is 8" precast pre-stressed concrete plank with 3" non-structural concrete topping supported on steel beams. b. Apparatus Garage floor is an 8" concrete slab on grade with 6x6 – W2.9xW2.9 welded wire mesh reinforcing.
Mezzanine on east side of Apparatus Garage	**C**			8" precast pre-stressed concrete plank with no topping, supported on steel beams and columns.
Roof	**C**			1 ½" B-20 steel deck and various sizes of Type "K" and Type "LH" open web steel joists supported on a structural steel frame.
Occupancy Category	**NA**			Occupancy Category IV
Construction Type	**NA**			Construction Type **II-B** (0-hour beams, columns & floor slabs, 0-hour roof)
Vertical expandability	**NA**			None.
Typical column spacing	**NA**			N/A
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There are two vertical cracks at the wall intersections in the southeast corner of the front office/reading room. These appear to be the result of shrinkage in the masonry combined with the multiple changes in direction of the wall in this area. There is no visible distress in the exterior brick and the wall is non-load-bearing. Therefore, no remedial action is recommended at this time.

S2. There is minor horizontal cracking near the top of the north wall in the Dayroom that proceeds around to the west wall and northwest door head. Because the north wall is built on top of the precast plank and parallel to the direction of its span, it is likely that this cracking is the result of the lower portion of the wall flexing with the plank, and the upper portion of the wall trying to bridge across the span. This wall is non-load-bearing and no remedial action is recommended at this time.

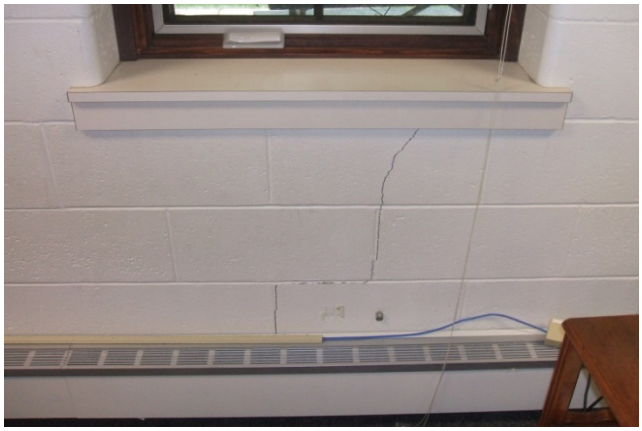
S3. There is a noticeable crack in the masonry below the sill of one of the windows on the west wall of the dayroom. A review of the original detail for the base of this wall shows that the precast plank bears on a 5" pocket in the foundation wall, which places the end of the plank around the middle of the 8" CMU. This also means that half of the block bears on the outer portion of the basement wall while the other half bears on the precast plank. As flexure in the plank would cause a slight rotation at the bearing end (which can vary between pieces of plank), it is likely that the differential rotation in this particular location was enough to cause a small shift of the CMU resulting in the crack that was observed. There is no visible distress in the exterior brick and the wall is non-load-bearing. Therefore, no remedial action is recommended at this time. However, the condition should be monitored over time and if it worsens, it should be investigated further.



Masonry Cracking in Office/Reading Room (Note S1)



Masonry Cracking at North Wall of Dayroom (Note S2)



Masonry Cracking at West Wall of Dayroom (Note S3)

PLUMBING SYSTEMS

Summary

Fire Station #4 was constructed in 1999. The original piping is in good condition. Glass fiber insulation on the water piping helps to conserve energy. The building is served by (2) water heaters in the basement (west side) and one on the east side mezzanine. A thermal mixing valve(s) (TMV) should be added to the hot water systems and hot water temperature adjusted to 110° Fahrenheit. This is a code issue that should be corrected.

With the building being newer, the toilet rooms have been designed per ADA guidelines.

Building is served by gutter and downspouts. Downspouts are directed underground to the storm sewer.
First floor plumbing fixtures discharge by gravity. Basement floor drain(s) are pumped to grade.
Parking lots are served by interior storm drainage (i.e. catch basins and curb inlet).

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	Cast iron, no-hub connection
Storm/Clearwater Piping	F		P3	Pump discharge - galvanized
Valves	F		P4	Ball valve(s)
Domestic Water Service	C		P5	6" water service
Insulation	C		P6	Glass fiber insulation
Code Issues	D	See TMV's	P7	Add TMV's at water heater(s)
Equipment				
Domestic Water Heater	F		P8	(3) Gas-fired heaters
Drench Shower Station	NA			
Recirculation Pump(s)	F		P9	
Water Softener	NA			No water softener installed
Thermal Mixing Valve (TMV)	D	$10,000	P10	Add TMV's (code issue)
Grease Interceptor	NA			No grease interceptor required.
Kitchen Equipment	F		P11	
Plumbing Fixtures	F		P12	
Oxygen Storage	NA			
Backflow Prevention	C		P13	1 ½" hose connection

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
"Shop" Air Compressor	**NA**			
Laundry Equipment	**F**		P14	
Drain Tile Sump/Pump	**F**		P15	Zoeller duplex
Sanitary Sump/Pumps	**F**		P16	Zoeller duplex
Ambulance/Truck Garage	**F**		P17	Trench drain, garage catch basin
Exterior				
Storm Drainage, Roof Drainage	**F**		P18	Gutter & Downspouts
Lawn Irrigation	**NA**			
Utilities	**F**		P19	

NOTES:

P1. Water piping is copper, soldered joints. Good condition. Piping is mostly insulated.

P2. Original sanitary waste/vent is cast iron, no-hub connection. Pump discharge is galvanized threaded connection.

P3. Building storm is served by gutters and downspouts. Downspouts discharge underground to storm sewer. Pump discharge is galvanized threaded connection.

P4. Ball valves on the water piping.

P5. Building is served by a 6" water main – combined for fire protection and domestic water. Domestic water is a 2" main with 3-valve bypass around the meter set.

P6. Water piping is insulated with glass fiber insulation.

P7. Code issues: water temperature is set higher than the allowed 110° Fahrenheit per code. No thermostatic mixing valve (TMV) at the heaters. Add TMV's per code, and adjust temperature to 110° F.

P8. Water heaters are gas fired, direct vented. Two heaters in the basement are Model PR6100NRRT, 100 gallon, 100,000 BTU. Heater on the mezzanine is a State model PR64ONBDVT, 40,000 BTU, sealed combustion.

P9. Hot water recirculating pump(s) are installed at the water heaters. Building is separated into a west and an east zone, with separate heaters, pumps and HWR piping.

P10. Add TMV's to water heaters. Set hot water temperature to 110° Fahrenheit maximum temperature. Code issue.

P11. Kitchen equipment: 2 compartment sink with garbage disposal. No dishwasher.

P12. Plumbing fixtures: Most of the fixtures are ADA-compliant. WC's are wall-hung with flush valves. Lavatories are vitreous china set in the countertop, lever handle faucets. Urinals are wall-hung with battery operated flush valves. Showers are built-up. One ADA shower in Men's/Women's toilet rooms. Men's toilet room also has a janitor's curb installed for clean-up. Single unit Elkay electric water cooler outside the locker rooms. Kitchen sink is stainless steel double compartment with garbage disposal. Garage has several cold water service faucets with hose thread vacuum breaker connections. 1 ½" hose connections have an elevated atmospheric vacuum breaker installed. Non-freeze sill faucets installed on the east and west sides of the building.

P13. There is a Watts 009 RPZ backflow in the boiler room for the HVAC boiler. 1 ½" hose connections in the garage have an elevated atmospheric vacuum breaker installed. Faucets with hose connection ends have a threaded hose end vacuum breaker installed. All backflow prevention is compliant.

P14. Residential washer (and dryer) installed in the turnout gear room.

P15. Zoeller duplex submersible 1 ¼" discharge pumps serve the building drain tile system around the basement area.

P16. Zoeller duplex submersible 2" discharge pumps serve the basement mechanical rooms floor drain(s).

P17. Garage: trench drains which discharge to a garage catch basin.

P18. Building roof pitches to perimeter gutter and downspout system. Downspouts are routed underground to the storm sewer. Parking lots are picked up by interior storm catch basins and curb inlet.

P19. Utilities are routed from West Point Road. Building is served from a 6" water main (combined fire protection and domestic feeds), 16" water main in street. 4" sanitary sewer routes to an 8" in the street. 6" and 10" storm sewers on each side of the building discharge to a 15"/18" storm lateral in the street.



Sanitary Piping – Basement



Water Piping – Insulated



Water Main & Meter



Water Meter Set with By-pass



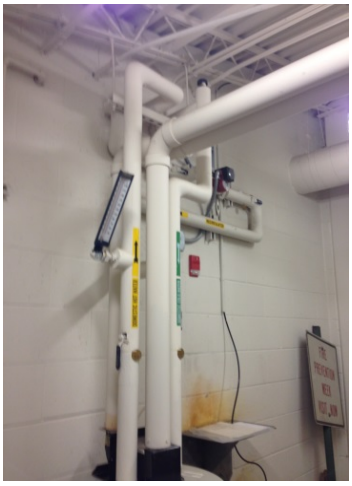
Water Heater(s)



Water Heater(s)



Water Heater – Mezzanine



Water Heater Piping



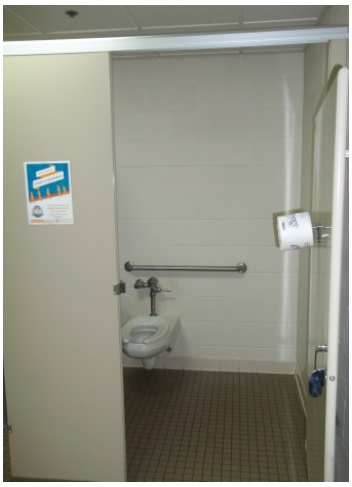
Water Heater Recirculating Pump



Kitchen Sink



Garbage Disposal – Kitchen Sink



Water Closet-Men's (ADA)



Water Closet – Women's



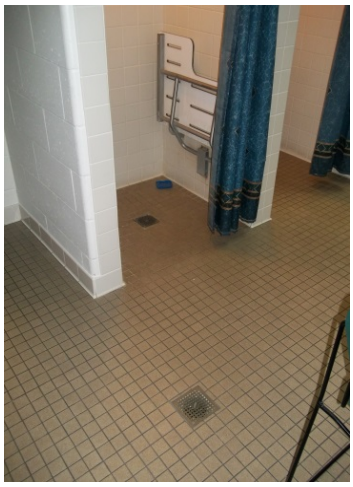
Men's Urinals (Regulation Height & ADA)



Lavatory – Women's (ADA)



Lavatories – Men's (ADA)



Shower – Men's



Shower – Men's



Shower – Men's



Sink – EMS Clean Room



Water Closet & Lavatory (ADA)



Janitor's Curb



Electric Water Cooler



Janitors' Curb



Hose Connection(s)



Sump/Pumps



Sumps/Pumps



Garage Trench Drain



Garage Catch Basin



Gutter & Downspouts



Gutter & Downspouts



Non-freeze Sill Faucet



Parking Lot Curb Inlet

FIRE PROTECTION SYSTEMS

Summary

Fire Station #4 was built in 1999 and was fully sprinkled at that time. The originally installed fire sprinkler system piping and equipment appears to be in good condition and is free of leaks and corrosion.

The building is considered fully sprinkled and appears to meet the requirements of that designation. Sprinkler heads are installed in all rooms and below obstructions as required.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

FIRE PROTECTION	GRADE	BUDGET COST	NOTES	COMMENTS
Water Service	**C**		FP1	6" underground reduced to 4" in the building
Backflow Prevention	**C**		FP2	Double Check Valve
Fire Pump	**NA**			
Fire Pump Controller	**NA**			
Jockey Pump	**NA**			
Jockey Pump Controller	**NA**			
Wet Pipe Sprinkler System	**C**			
Valves	**C**		FP3	
Piping	**C**		FP3	
Sprinkler Heads	**C**		FP3	
Percent of Building Unit Sprinkled	**100%**			
Other Fire Protection Systems				
Pre-action System	**NA**			
Kitchen Hood System	**D**	$100	FP4	Kidde WHDR 260 Wet Chemical System

NOTES:

FP1. The underground water main is a 6" main that enters the building on the west wall of the Mechanical Room B101. The 6" main supplies both the Fire Sprinkler System and the Domestic Water System. After the 6" enters the building it splits and a 4" main serves the Fire Sprinkler System.

FP2. The backflow preventer is a 4" Ames 2000SS in good to new condition. OS&Y Gate Valves are located on either side of the backflow preventer and also appear to be in good to new condition.

FP3. The valves, piping, and sprinkler heads appear to be in good to new condition. The pipe is black steel pipe with a mix of threaded and grooved fittings and does not show any signs of leaking or corrosion. The sprinkler heads used are a mix of upright and pendent sprinkler heads with all rooms and closets protected with sprinkler coverage.

FP4. The Kidde Wet Chemical System appears to be in good condition. Blow off caps are not present on the discharge nozzles.



Water Service and Double Check Valve BFP



Sprinkler Head below Ductwork



Spray Shield on Sprinkler in Data Room



Blow off Caps Missing on Hood System



Fike Wet Chemical System



Sidewalls Heads under Overhead Doors

HVAC SYSTEMS

Summary

The building construction began in 1999. The city has added server equipment into an existing basement data/electrical room and has constructed a wall across the basement to create a meeting room separate from the exercise area.

The living quarters is served by a modular air unit, which is located in a basement mechanical room. The air unit utilizes split system DX cooling to condition the air. The condensing unit is located on grade adjacent to and above the mechanical room. The ventilation air is distributed to each room where a reheat coil heats the air to regulate the space temperature. Wall mounted fin tube radiation provides additional heat along some of the perimeter rooms.

The thermostat for the basement area is located in the exercise area. This thermostat also controls the air temperature in the meeting room.

The toilet/locker rooms are served by a cabinet fan located in the apparatus garage. The kitchen ventilation hood is served by cabinet fan located above the kitchen ceiling. The hood is a type 1 hood with a fire suppression system. The grease filter is horizontal and met code at the time of installation.

The basement data/electric room is served by a ductless split system air conditioning unit. The condensing unit is located on grade, above and adjacent to this room.

A hot water boiler system is located in a basement mechanical room. The pumps operate lead/lag and serve a single boiler. The hot water is distributed to reheat coils, fin tube radiation, convectors and cabinet heaters located throughout the living quarters.

The controls for the living quarters are pneumatic. Air compressors are located in the apparatus room and in the basement mechanical room. The unit located in the apparatus room appears to be dedicated to the PlymoVent System. The unit in the basement serves the living quarters. Apparatus room controls are electric. The living quarter's control system has been revised slightly to lock-out the occupant's ability to change the space temperatures. To change the space temperature, the control company is called in to connect their computer to the building system and the set point is changed.

The apparatus garage is served by (2) gas fired make-up air units. One unit ventilates the garage while the other unit serves the turnout room and other ancillary work, storage, and equipment rooms. An exhaust fan, located in the garage, provides the space with the required exhaust. A gas detection system is located in the garage. This system, when installed, allowed the exhaust system to remain off except for 5 hours a day and if gas was detected thereby providing energy savings. Radiant heaters are also utilized to heat the garage. A truck exhaust system (PlymoVent) is connected to each truck and utilized to capture and expel exhaust fumes as trucks leave during fire calls.

A hazardous storage room is ventilated by a dedicated exhaust fan. A hose dryer is vented outside. The laundry dryer is vented into the turnout room.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air Unit			**H1**	Installed 2000. Free cooling design with open windows and return/exhaust fan operation.
Housing	**C**			
Air intake	**C**			
Condenser	**F**		**H1**	208/3, (2) 7.5 HP compressors. Housing beginning to rust, condenser fins are bent.
Fan	**C**			5900 CFM, 5HP.
Filters	**C**			30% filters
Controls	**C**			DDC with pneumatic operators.
Ductwork	**C**			Original to the 2000 installation
Insulation	**C**			Where viewed the insulation appears intact.
Humidity	**HP**	$10,000	**H1**	Residential type unit. Manually filled. Humidification is not a code requirement.
Occupied Space Ventilation (Basement)	**HP**	$7,000	**H1**	No thermostat in meeting room, controlled off exercise room. Separate reheat coil already exists.
Occupied Space Thermal Comfort	**HP**	$2,000	**H1**	Controls revised to lock out occupant's ability to adjust. Control contractor called in to adjust each time.
Exhaust Fans				
Toilet/locker room exhaust	**C**		**H2**	900 CFM cabinet fan, ¼ HP.
Exhaust Ductwork	**HP**	$2,000	**H3**	Original to 2000 installation. Dust/lint build-up on grilles/ducts.
Kitchen Hood, Fan and Ductwork	**HP**	$15,000	**H4**	660 CFM, ¼ HP, Type 1 hood. Horizontal filter. Compliant at time of install.
Boiler System	**C**		**H5**	Installed 2000
Boilers	**C**			Bryan HED boiler, 350 MBH input, 290 MBH output
Pumps	**C**			B&G 3/4 HP lead/lag pump 25GPM@25 feet
Piping	**D**	$4,000	**H5**	Copper water piping, steel gas piping. Gas regulators off gas meter are not piped away from doors and operable windows.
Pipe Insulation	**C**			

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Room Terminal Units	C			Convectors, cabinet heater, fin tube pneumatically controlled
Mechanical Room Ventilation	HP	$500	H6	High and low combustion air vents are short of the 12" termination distances.
Data Room Ventilation	C			Ductless Split.
Controls				
Air Compressor	C			Simplex unit for PlymoVent. Living quarters: 1.5 HP duplex unit with (1) motor replaced in 2008
Room Control	HP	$2,000	H7	Pneumatic. Controls revised to lock out occupant's ability to adjust. Control contractor called in to adjust each time.
Garage Ventilation			H8	
Make-up Air Unit	C			Gas fired units suspended high in apparatus room. 400 MBH and 175 MBH.
Exhaust	C			Cabinet fan (2,300 CFM) suspended high in apparatus room. Gas detection system. (1) 300 CFM fan dedicated to hazardous room. (1) 1,500 CFM fan for storage rooms.
Truck Exhaust	C			PlymoVent.
Control	C			Electric.
Dryer Exhaust	D	$1,000	H9	Vent terminates inside.

NOTES:

H1. Air unit is original to the 1999 construction. Expected useful life is 20-25 years depending on maintenance and operation of the unit. The condensing unit is beginning to show signs of rust and condenser damage and may require replacement prior to the indoor components, thus the fair rating.

The air unit is a constant volume system with reheat coils at each zone to provide individual room control. The boiler must remain operational to allow the reheat system to operate. The control system was originally set-up to cumulate temperatures from three zones to allow the air unit to adjust its discharge temperature. Each zone was designed to allow occupant adjustments. This control has been overridden to lock-out the occupant's adjustability. Now a contractor is called in to adjust the temperature. To reverse this, the control contractor will need to provide some minor reprogramming to the DDC system.

The occupied basement area has been split into two zones but the ductwork and thermostat control was not modified. The meeting room space temperature is controlled by the thermostat in the exercise room. Recommend a reheat coil revision/installation to allow the meeting room to have dedicated thermal control.

A portable residential style humidifier is located in the sleeping room. This indicates that the occupants are attempting to regulate the building humidity to improve their comfort. This unit will actually improve humidity only slightly, but may have a greater psychological effect. This is because the air unit will introduce a greater amount of dry outside air than this unit can properly humidify. To humidify this building, it is recommended to install an electric or gas fired humidifier that is sized to serve the entire living quarters.

H2. The cabinet fan is located high in the apparatus garage and is designed to ventilate the space appropriately. Maintenance history and future maintenance practices will determine unit's useful life. Expected life is 20 years.

H3. Dust building up is visible on the grilles and visible portion of the duct. Duct cleaning and air balancing is recommended to ensure proper ventilation rates within these areas.

H4. The kitchen hood is a type 1 hood, equipped with fire suppression and a horizontal grease filter. The fan is located above the kitchen ceiling. Current code indicates that the filter should be mounted at a 45 degree angle. This is because a horizontal filter position more easily allows grease to drip onto the stove surface or into the food product being prepared. The hood system appears to be in good condition and was compliant at the time of install. There is not a recommendation to replace. However, the high priority rating is given so the estimate for future replacement will appear in the summary sheet.

H5. The boiler system is original to the 2000 construction. Boiler system will have an expected useful life of 25-30 years depending on maintenance practices. This boiler system is piped with lead/lag pumps and a chemical feeder unit. There is no filter unit, like stations 2 and 7. Future installation, when boiler is replaced, is recommended to aid in removing suspended particles from the heating system.

The gas meter was revised to extend a pipe to a second generator. Additional regulators were installed. The regulator vents are located too close to the operable doors and windows and are recommended to be piped away from these openings.

H6. The boiler combustion venting is split to a high and low position in the boiler room as required by code. Their terminations are just short of the 12" clearance maximum. Although a minor issue, the combustion ductwork should be made compliant. Recommend adjustment when the boiler system is replaced.

H7. Refer to item 1, air unit control as well. The occupant's ability to adjust temperature has been locked out. This is not a code issue. However the control company is called in, for a service charge, to adjust space temperature. It is recommended to have the control company reprogram the air unit DDC control sequence to reinstate the air unit reset schedule and allow occupant adjustment of their space. The control company could allow this system, or all fire station systems, to be monitored from a central computer system at any site.

H8. The apparatus garage is currently served by gas fired make-up air units and radiant heaters. The garage exhaust is served by a cabinet fan with additional fans serving the hazardous storage room and ancillary storage rooms. A gas detection system is installed in the garage to take advantage of a code provision to allow the system to operate for 5 hours a day and not continuously, which provides significant energy savings. Under current code a small exhaust fan could be installed to exhaust the garage continually and this would provide additional energy savings. No recommendations for immediate replacement or installation of equipment are made at this time.

A PlymoVent exhaust system is connected to each truck parked in the garage. This system operates whenever a truck is started and the vehicle exhaust is expelled from the garage. The hoses, where attached to the trucks, are showing some signs of wear and tear.

H9. A laundry dryer is located in the turnout room and terminates inside the room. It is recommended to vent this unit to the outside.



Air Unit



Condensing Unit



Return Fan



Exhaust Fans



Hazardous Exhaust Fan



Kitchen Hood



Typical Exhaust Grille



Typical Supply Grille



Typical Fin Tube Radiation



Boiler Room Combustion Vent



Humidifier



Boiler



Hot Water Pumps



Chemical Feeder



Gas Meter



Temperature Control Air Compressor



PlymoVent Air Compressor



Garage Make-up Air Unit



Garage Radiant Heater



Garage Gas Detection



Garage Heating Controls



Generator Combustion Louver



Generator Venting



Grille Gas Connection



Garage Exhaust Vent



Truck Exhaust (PlymoVent)



PlymoVent Exhaust Fan



Dryer Exhaust Vent



Hose Dryer



Outside Air Louver

ELECTRICAL SYSTEMS

Summary

The building is served by a 600 Amp, 120/208 Volt, three-phase electrical service. The panels are in good condition, and have capacity for the future. There are two emergency generators serving the building, both are in good condition. Generator #1is serving two automatic transfer switches which supply emergency panels serving life safety loads and non-essential emergency loads respectively. Generator #2 is serving one automatic transfer switch which supplies an emergency panel serving non-essential emergency loads. The equipment is in good condition and has some future capacity.

The outlets within the garage are not GFCI protected. Exterior outlets are GFCI, but their covers are not weatherproof while-in-use. Lighting fixtures are in good condition and utilize T8 lamps and ballasts, incandescent and compact fluorescent lamps. There are occupancy sensors located in the toilet rooms, sleeping area, offices, gear room, and lounge. Timer switches are installed in storage, mechanical, and work rooms. HID building mounted fixtures and downlights are in good condition; consideration should be given to replacing the HID fixtures with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition and the facility is pulling Cat 5e and Cat 5 data and voice cabling and coax for CATV. There is an Edwards EST fire alarm system with smoke detectors and notification devices throughout the building which are in good condition. Fire alarm notification coverage appears to be compliant.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Electrical Service				
Utility Service Entrance	C			600 Amp underground electrical utility service enters the building in the basement electrical room.
Normal Power Distribution Equipment				
Main Distribution Panel	C			600 Amp MCB Square D I-Line panel, in good condition.
Branch Panels	C			Square D NQOD panels in good condition with future capacity.
Emergency Power Distribution Equipment				
Generators	C			Generator #1 Cummins Onan 30 KW natural gas mounted inside, Generator #2 Kohler 45 KW diesel mounted outside in weatherproof enclosure, both are in good condition.
Transfer Switches	C			A 30 Amp and a 100 Amp ATS associated with Generator #1 and a 150 Amp ATS associated with Generator #2. All are in good condition.

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Branch Panels	C			A 30 Amp and 70 Amp Square D NQOD panel associated with Generator #1 and a 150 Amp Square D load center associated with Generator #2.
Power				
Receptacles	D	$1,000	E1	Garage outlets need to be GFCI. Provide weatherproof while-in-use covers for all exterior outlets.
Lighting				
Garage	C			Industrial fixtures with T-8 lamps in good condition.
Office spaces, conference rooms, and corridors	C			Recessed acrylic lens troffers and parabolic troffers with T-8 lamps and compact fluorescent downlights in good condition.
Sleep Rooms	C	$1,000	E2	Recessed acrylic lens troffers with T-8 lamps, incandescent downlights, and wall mounted incandescent sconces at each bed in good condition.
Toilet Rooms	C			Recessed troffers and surface mounted wrap-arounds in good condition.
Mechanical Spaces, Storage Rooms, Utility Areas	C			Industrial strips and suspended wrap-arounds with T-8 lamps, in good condition.
Exterior	F	$5,000	E3	HID parking lot poles, wall sconces and downlights in fair condition controlled by time clock.
Lighting Controls				
Offices, Sleeping Room, Lounge	C			Occupancy sensors installed
Toilet Rooms, Storage Rooms, Mechanical	C			Occupancy sensors installed in toilet rooms, timer switches installed in storage rooms
Emergency Egress Lighting and Exit Signs				
Corridors	C			Fixtures connected to emergency panel.
Exit Signs	C			LED type in good condition.
Fire Alarm Devices				
Smoke Detectors	C			Edwards EST fire alarm system with smoke detectors, heat detector, and notification devices.

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Telecommunications				
Data/Voice	C			UPS serving server equipment. Cat 5 and Cat 5e cabling
CATV	C			Coax

NOTES:

E1. Replace all outlets located in the garage area with GFCI type device. Add weatherproof while-in-use covers on exterior outlets.

E2. Consideration should be given to replacing incandescent downlights and wall sconces in sleeping area and downlights in the lounge with compact fluorescent or LED type for energy savings.

E3. Consider replacing all HID building mounted fixtures and downlights with more efficient LED in the future.



Main Electrical Service Meter



Main Electrical Distribution Panel



Data Rack



Data and Phone System



UPS



Fire Alarm Control Panel



Generator #1



Generator #2



Generator #1 ATS EM1



Generator #2 ATS



Generator #1 ATS EM2



Generator #2 Annunciator Panel



Panel P1



Generator Panel



Panel A



Panel EM2



Panel B



Panel EM1



Panel P2



Surge Suppression



UPS Panel



Time Clock and Lighting Contactor



Corridor Night Light



Sleeping Room Sconce



Post Mounted Receptacle



Exterior Receptacle



Garage Outlet and Door Controller



Exit Sign



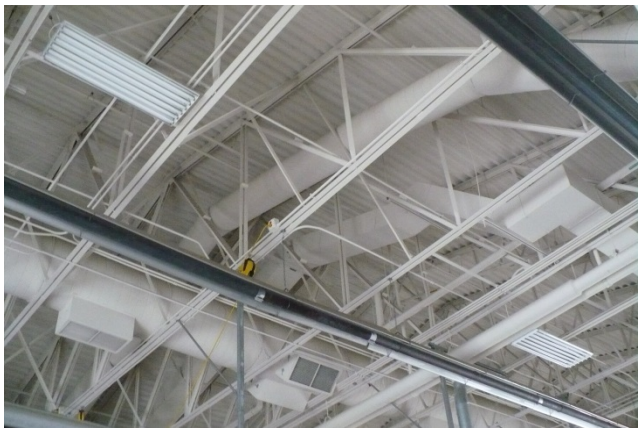
Sleeping Room Lighting



Dining Room Lighting



HID Building Mounted Fixtures



Garage Lighting



Fire Alarm Notification Device



Smoke Detector



Office Lighting



HID Parking Lot Pole Light

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EVALUATION

OF

CITY-OWNED FACILITITES

FIRE STATION #5

August, 2015

FIRE DEPARTMENT

SUMMARY

Date of Visit: June 11, 2015
Address: 2310 Finger Road

Building Description

Designed in 1996, Station #5 has a simple form of two intersecting gable roofs. The apparatus and storage/equipment bays extend north/south, and the lower office/residential wing extends east/west. There is a basement under the residential wing, accessed by two stairs.

Exterior sealants appeared dry and are approaching their life span. Interior finishes are in fair condition. Plastic laminate counter tops in kitchen are chipping and showing wear. Metal doors and frames are in need of paint touch up.

Code/Accessibility

Most of the building is in compliance with current code and accessibility requirements. Some storage items are located in the stair shafts. As this is not a grandfathered building feature, and does not comply with current code (IBC 1022.1), these items should be removed.

An accessible route to and within the building is provided. One of each toilet fixture is accessible. The kitchen sink is located higher than per accessibility guidelines. Doors have compliant hardware with the exception of a sliding cabinet lock at the Women's room.

Structural System

The structure consists of steel roof deck and open web steel joists supported on load-bearing masonry walls. There is a basement under the living quarters.

Plumbing Systems

The original piping and insulation is in good condition. The building is split into a north and south zone for the hot water systems. A thermal mixing valve (TMV) should be added to both systems. The south mezzanine heater should have a HWR recirculating pump and piping added.

Fire Protection Systems

The original fire protection equipment installed is still in service and overall appears to be in good working order.

HVAC Systems

The equipment appears to be, in general, all original equipment. The living quarters is served by a modular air unit. The compressor for the unit operated continuously during site visit, while the condenser fan cycled approximately every 30 seconds with a 5 second run time.

Multiple exhaust fans serve the janitor's closet, toilet rooms and locker rooms. The units are quite dirty and the unit in the janitor's closet appears plugged. A hazardous storage room is ventilated by a dedicated exhaust fan.

The controls are a mix of pneumatic and electric. Apparatus room controls are electric.

The apparatus garage is served by (2) gas fired make-up air units and a gas detection system. A truck exhaust system (PlymoVent) is connected to each truck and utilized to capture and expel exhaust fumes as trucks leave during fire calls.

Electrical Systems

The panels are in good condition and have capacity for the future. The emergency generator serving the building is in fair condition. The equipment is in fair condition and has some future capacity. An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads.

The outlets within the garage are not GFCI protected. Exterior outlets are GFCI, but their covers are not weatherproof while-in-use. There are several light fixtures with broken or missing lenses. There are occupancy sensors located in the toilet rooms, but the facility should install occupancy sensors in offices, dining room, storage rooms and janitor's closets.

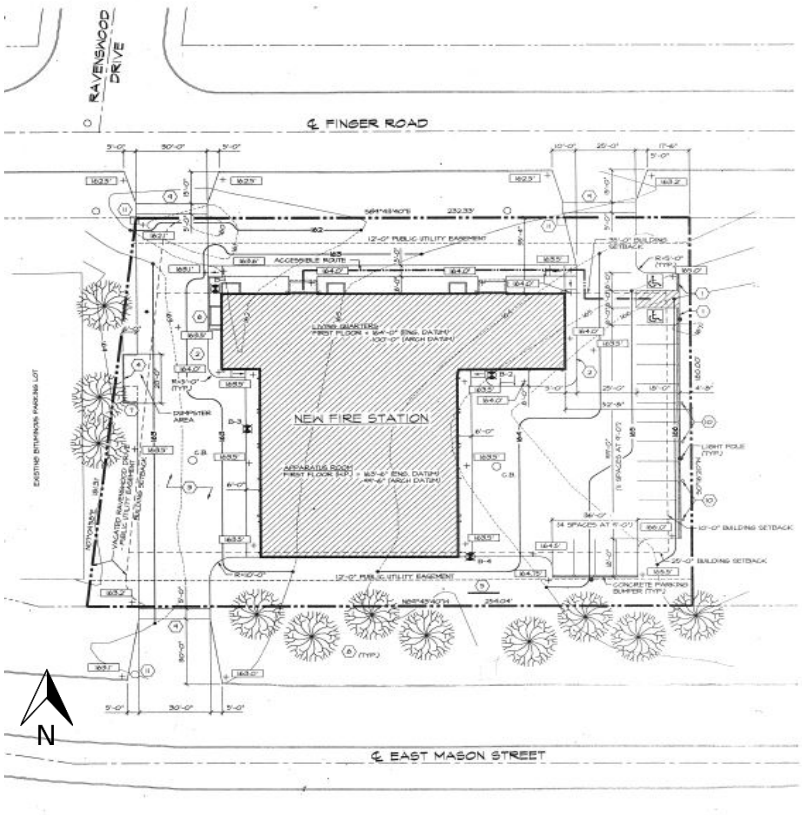
The server equipment is in good condition. The fire alarm system includes stand-alone smoke detectors and carbon monoxide detectors throughout the building which are in good condition.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

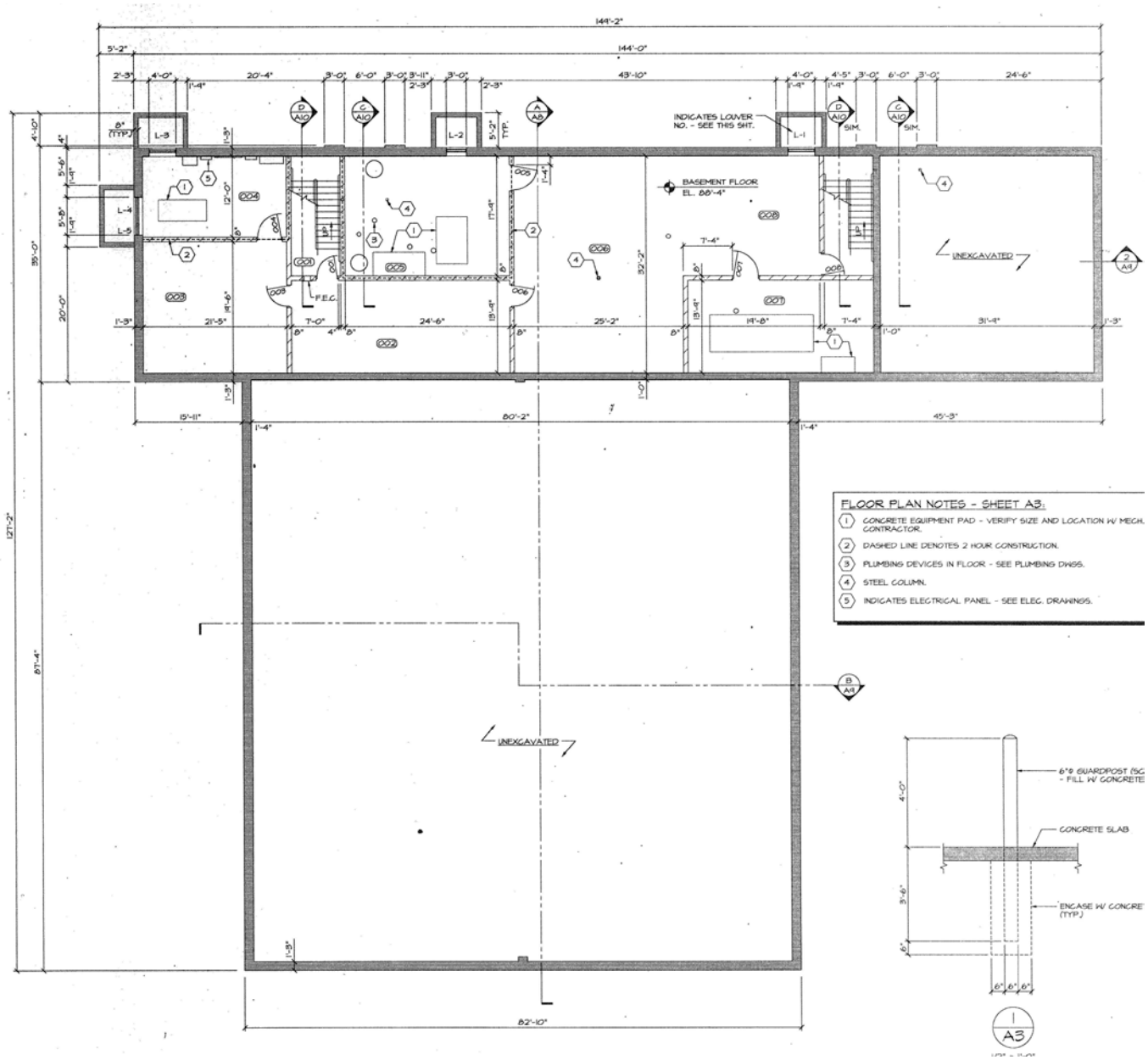
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural			Interior Door and Frames	**$1,500**
	Oxygen Tank Storage			**$15,000**
Architectural Subtotal				**$16,500**
Code/ADA	Doors			**No Cost**
Structural			First Floor	**$5,000**
Fire Protection	Piping			**No Cost**
Plumbing	Recirculation Pump(s)			**$5,000**
	Thermal Mixing Valve (TMV)			**$10,000**
Plumbing Subtotal				**$15,000**
HVAC Systems		Condenser		**$15,000**
			Humidity	**$10,000**
			Occupied Space Thermal Comfort	**$3,000**
		Exhaust Ductwork		**$2,000**
	Piping			**$6,000**
			Mechanical Room Ventilation	**$1,500**
	Dryer Exhaust			**$2,000**
HVAC Subtotal				**$39,500**
Electrical			Transfer Switch	**$5,000**
			Branch Panel	**$10,000**
	Receptacles			**$1,000**
			Offices	**$1,000**
Electrical Subtotal				**$17,000**
Building Total				**$93,000**



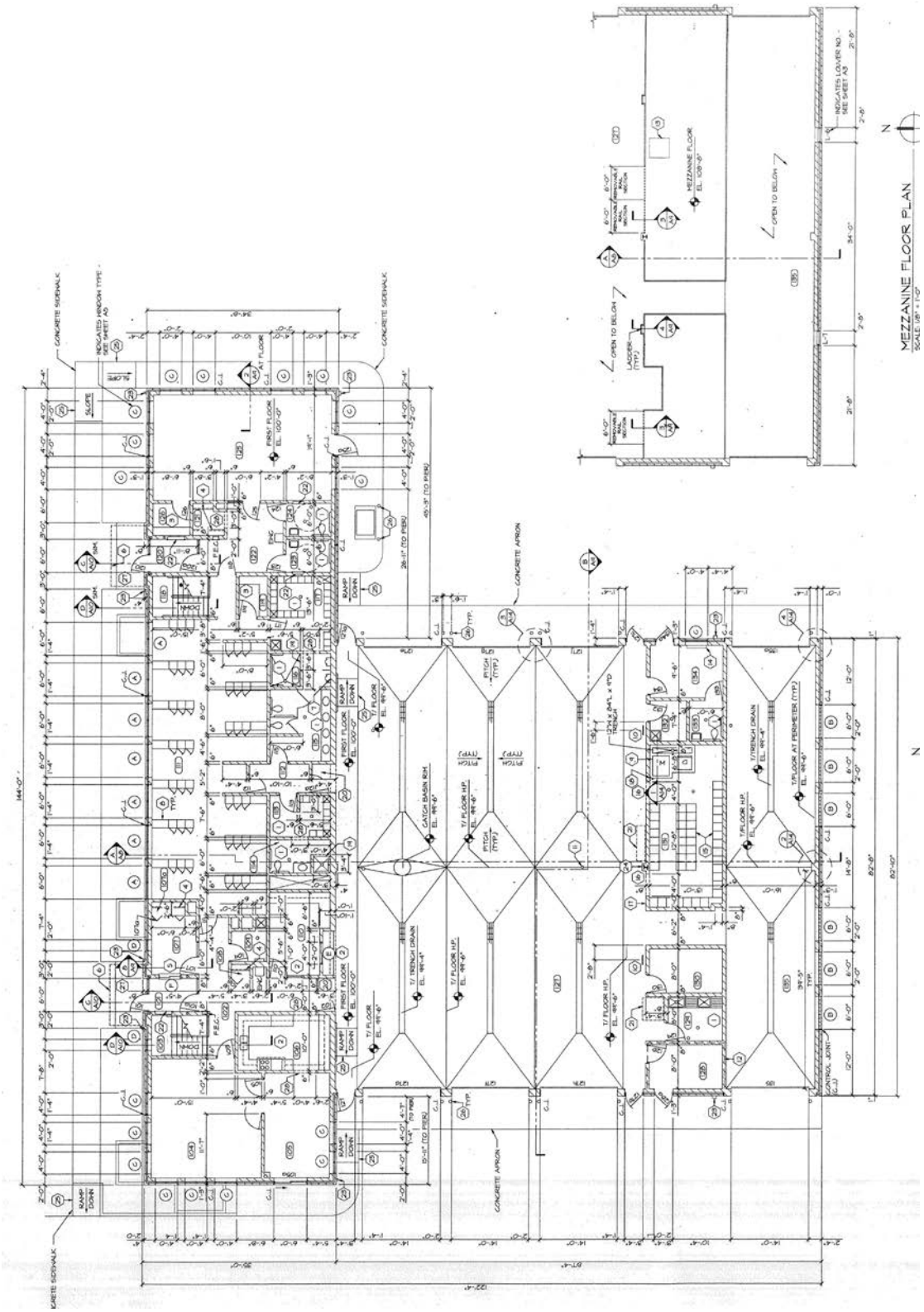
Site Plan



Aerial View of Site



Basement Plan
(Not to scale)



First Floor Plan
(Not to scale)

ARCHITECTURAL

Building Description

Designed in 1996, Station 5 has a simple form of two intersecting gable roofs. The apparatus and storage/equipment bays extend north/south, and the lower office/residential wing extends east/west. Original plans called for a community room extension to the residential wing, but this was not executed.

The apparatus bays are split. One double-loaded bay is at the south end, adjacent to an equipment and storage bay with mezzanines above, separating the end bay from the remaining three apparatus bays. The south bay has very little room for personnel to maneuver around the vehicles. When parked, personnel may need to exit the vehicles from one side only. The intervening rooms include equipment lockers, shop/work room, storage, and generator room.

The basement is accessed from two stairs; one at the main entry and one from the end of the dormitory, which also provides a second route of egress. The basement houses a work out area and recreation area, separated by furniture partitions. Mechanical room and electrical room are fire rated. A training room accessed primarily from the west stair by the entry also connects to the workout room.

Two corridors connect the office/residential wing to the main apparatus bay; one leads to the dormitory, the other to the main entry area. At either side of the main entry are located the kitchen, dining and day room spaces, and the office functions.

Building Envelope

Exterior walls

The exterior wall is comprised of 1'-3" wide, double wythe cavity wall; with an outside wythe made of split faced 8x8 concrete block lower, a smooth faced 8x8 band and a split-faced, scored concrete block upper. The inner wythe is a standard shape concrete block and typically exposed as the interior wall.

The entry door includes a cast stone arch with a painted "5" and a steel/break metal canopy.

The band of smooth faced block is substantially faded to various shades around the perimeter of the building.

Sealants appeared dry, and approaching their life span. Heightened inspection for separation from substrate is recommended.

Overhead sectional doors are seven- panels with two lights. Appeared in good working condition, including the operators.

Roof

The pitched roof is on steel trusses, with the insulation and control layers typically at the roof line. Asphalt shingles appeared in good order; numerous penetrations noted. Most of the roof covering is asphalt shingles, with some EPDM utilized at mechanical areas. Metal trim is used at all rakes, eaves and canopies. The overhang at rakes and eaves is approximately 18 inches. Overhang at the overhead doors is approximately 2 feet.

Sheet metal flashings and trim appeared in good order. Gutters and downspouts were clean and well maintained.

Windows

The majority of the windows are residential style casement operable windows. They appear in good working condition. Glass block is utilized at the exterior windows of the apparatus room.

Sealants are acceptable at this time, but approaching their life span and starting to dry. Heightened inspection for separation from substrate is recommended.

Interior Finishes

Floors

Primary corridors are two colors of porcelain tile, with porcelain tile coved base. The darker tone of porcelain is used in the kitchen and dining rooms. Locker and bath rooms have a mix of four colors of 2x2 ceramic tile with glazed sanitary cove base. The tile is pitched to a ½" peak at the entry to showers in lieu of a threshold.

Offices, dormitory and day-room are carpeted. Stairs have composite tile finish on treads and landings, with a rubber nosing extending 2 to 3 inches on both tread and riser. Risers are painted concrete.

Walls

Most walls are painted concrete block. Showers have glazed tile full height at walls. There is a glazed tile wainscot at wall behind urinals.

Doors

The main entry has dark bronze aluminum door and side light at both sides of the vestibule. Interior wood doors are standard oak veneer of medium stain color. The paint on metal frames at offices is chipped and in need of touch up. There is a sliding wood patio door from the dining area to the exterior. Utility area doors and exterior doors are painted metal. Some of the exterior doors paint has substantially faded.

Ceilings

Basement areas and apparatus bay rooms have exposed structure, painted. All occupied areas have 2'x2' lay-in acoustic panels.

Casework

All casework tops and bodies is plastic laminate. Casework in toilet rooms is in good condition. Tops at office and kitchen areas are chipped and cracked. A built-in table at the dining area has a plastic laminate top that is also chipped. Solid surface material is recommended for future replacement of casework tops.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	C			
Exterior Facade Condition	F		A1	Fading band of smooth-faced block is an aesthetic issue, but not a performance concern.
Exterior Door Condition	C			
Window Condition	F		A2	
Interiors				
Floors	C			
Walls	C			
Interior Door and Frames	HP	$1,500		Re-paint metal frames
Ceilings	C			
Casework	F		A3	
Oxygen Tank Storage	D	$15,000		One hour rated room required

NOTES:

A1. Sealants appeared dry, and approaching their life span. Heightened inspection for separation from substrate is recommended.

A2. Sealants are acceptable at this time, but approaching their life span and starting to dry. Heightened inspection for separation from substrate is recommended.

A3. Chipped plastic laminate could be repaired/replaced. Consider solid surface tops for future replacement.



North Elevation



East Elevation



South Elevation



Overhead Sectional Door

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1996	**Gross Area**	Basement: 3,850 SF First Floor: 11,064 SF Mezzanines: 1,025 SF
Occupancy Classification *(Chapter 3 of IBC)*	**S-1** Moderate-hazard Storage non-separated from **B** Business and **R-3** residential		
Construction Type *(Chapter 6 IBC)*	Construction Type II-B		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

The building code for the State of Wisconsin at the time would have placed this building in Chapter 54, Factories, Office and Mercantile occupancy. The classes of construction at the time would have been Fire-resistive type B. The building's materials would place it equivalent to Type II-B in the 2009 IBC.

The current 2009 IBC does not specify fire stations as being Business occupancy, therefore the building occupancy may be determined more by usage of space. For Fire Station #4, the basement and the east half of1st floor are non-separated B-business and S-1 storage. The west half of 1st floor is non-separated B Business and R-3 Residential, based on the definition of congregate living facilities as those where residents share bathroom and/or kitchen facilities.

Egress and Safety

The apparatus bay provides four legal means of egress doors in addition to the overhead doors. Storage and mechanical rooms and mezzanines on the south side of the apparatus bay also egress through these doors, with an additional egress door in the workroom.

The southern-most apparatus bay has very little room alongside the vehicles for personnel egress. There is one corridor connecting to the main apparatus bay and its egress doors.

The combined area of mezzanines is less than one-third of the floor area of the room in which they are located, which complies with current codes (IBC 505.2). Access to the mezzanines is via two wall-mounted ladders. Current code does not reference ladder access to storage areas, but these are considered grandfathered in as compliant.

A door to one of the mechanical rooms in the basement was noted as having its latch taped off and the handles rubber-banded to secure the tape for ease of access. A rated door is required to latch (IBC 715.4.8.1).

Stair Shafts
Access to the basement is provided by two stairs at either end of the business/residential wing. Both stairs are separated from the basement by an un-rated door, but are open to first floor. The lack of enclosure at the bottom results in the stairs being technically open to both floors. This does not comply with current code (IBC 1022.1). As noted above, it is presumed to have complied with code at the time it was built. (Note: old WI code allowed this if egress distances met certain criteria.)

A shelf and some storage items are located in the stair shafts. As this is not a grandfathered building feature, and does not comply with current code (IBC 1022.1), these items should be removed.

Handrails and Guardrails
Hand rails at the east stairs are at 33" above the nose of the tread, which is below the minimum of 34" per current code (IBC 1012). The west stair's handrail is at 35 ½" height, which is compliant. Guard rail height is at the required 42" called for currently (IBC 1013). Openings at sides of stairs below handrails is typically 5 ½", with larger openings at the stair edges. None of these situations poses a significant hazard, and they are grandfathered in as compliant, so no changes are recommended. Handrail extensions comply with current code.

The guards at the open storage mezzanines are 42" above mezzanine floor, which complies with current code. The openings are a minimum of 17" at the guards. As these areas are in the storage occupancy part of the building and not open to the public, they would comply with IBC 1013.3, exception 4.

Summary of Accessibility/ADA Compliance

The following summary of accessibility is provided for owner reference, with the acknowledgement that persons using this building can only do their job if they do not have accessibility needs. Additionally, the public does occasionally access the fire stations for school tours etcetera, so safety and compliance are required. As noted above, accessibility may be mandated by code based on the extent of work being done.

Accessible Route
As the plan originally called for a community room at the east end of the residential wing, the accessible parking is located at the closest part of the parking lot to that area. The community room was not built, but an accessible path is provided to the main entrance on the north side of the building.

Entry to the building is at-grade at all building entrance/egress points. A 5'-0" wide corridor is provided in the occupied building areas.

Doors
All doors are 36" with lever or push/pull hardware, which complies with accessibility guidelines. Maneuvering space is provided as well. There is a sliding cabinet door latch installed on the women's room door, apparently due to the fact that it was originally intended as just a locker room. The lock provides privacy for female users, but is not accessible either in functionality or in height.

Plumbing Fixtures
The sink in the kitchen is at 36" rim height, which is higher than allowable for accessible side reach. The drinking fountain spout height is at 35", which complies with ADA 602.4. Bathroom lavatories are slightly above the 34" maximum for accessibility. One accessible shower is provided in both Men's and Women's locker rooms. One accessible toilet is provided in each toilet room, with horizontal grab bars. Since the time of this building's construction, a vertical grab bar has been added to the requirements for accessible toilets. This could easily be added.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	N/A	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Egress and Safety	C			
Stair Shafts	C			All storage items should be removed from stair enclosures.
Handrails/Guardrails	C			
Accessible Route	C			
Doors	C D	$0	CA1	
Plumbing Fixtures	F			Sink and lavatory rims are too high.
Grab Bars at Fixtures	C			Vertical grab bar could be added at toilets

NOTES:

CA1. Remove tape and rubber band from rated door latch.



Accessible Entry



Corridor and Top of Stair Near Entry



Stair to Mezzanine



East Stair at Basement



Fire Door Hardware: Non-compliant



Sliding Lock at Women's Room: Non-compliant



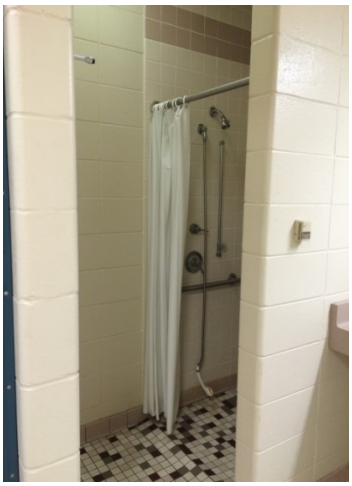
Kitchen



Women's Bathroom



Accessible Toilet Stall – Men



Accessible Shower Stall – Women

STRUCTURAL SYSTEM

Summary

The structure consists of steel roof deck and open web steel joists supported on load-bearing masonry walls. There is a basement under the living quarters.

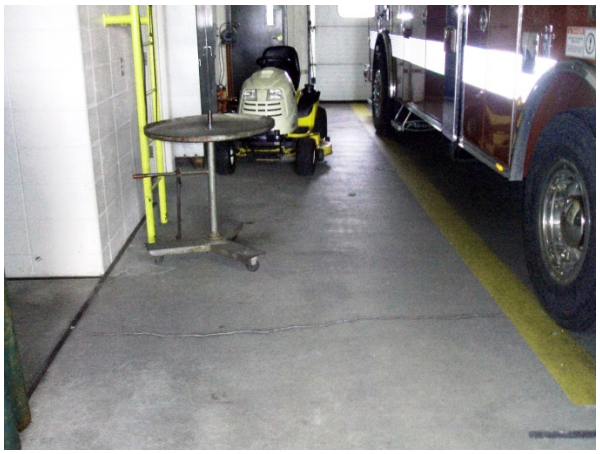
LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1996 design (Somerville Associates)
Structure type				
Foundations	**C**			Cast-in-place concrete foundation and/or basement walls bearing on individual spread or continuous strip footings.
Basement	**C**			Under north half (Living Quarters) of the building. Floor is a 4" concrete slab on grade with fiber-mesh reinforcing.
1st Floor	**HP**	$5,000	**S1**	a. Living quarters floor is 8" precast pre-stressed concrete plank with 2" concrete topping supported on load-bearing masonry walls at the basement area, and 4" concrete slab on grade at the far west end. b. Apparatus Garage floor is an 8" concrete slab on grade with #4 @ 12" o/c each way.
Mezzanines on South Side of Apparatus Garage	**C**			8" precast pre-stressed concrete plank with no topping, supported on load-bearing masonry walls.
Roof	**C**			1 ½" 20 gauge steel deck open web steel joists/joist girders supported on load-bearing masonry walls.
Occupancy Category	**NA**			Occupancy Category IV
Construction Type	**NA**			Construction Type **II-B** (0-hour beams, columns & floor slabs, 0-hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			N/A
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There are some minor settlement and/or shrinkage cracks in the floor slab at several locations throughout the apparatus garage. Currently, none of the cracks observed are cause for any structural concern and could simply be routed and filled with sealant to keep water and debris out. Unless significant elevation differentials would start to develop at any of the cracks, no other remedial actions are recommended at this time.



Slab Cracking in Apparatus Garage (Note S1)



Slab Cracking in Apparatus Garage (Note S1)



Slab Cracking in Apparatus Garage (Note S1)

PLUMBING SYSTEMS

Summary

Fire Station #5 was constructed in approximately 1996. The original piping is in good condition. Water piping is insulated with glass fiber insulation, which helps to conserve energy. The building is split into a north and south zone for the hot water systems. A water heater is located in the north basement; the other water heater is on the south mezzanine. A thermal mixing valve (TMV) should be added to both systems. The south mezzanine heater should have a HWR recirculating pump and piping added. These are code issues which need to be corrected.

Storage of the gas cylinders should also be corrected. This is a code issue.

Building has a pitched roof and is served by gutters and downspout system. Downspouts are directed underground to the storm sewer. First floor plumbing fixtures discharge by gravity. Basement floor drain(s) are pumped to grade. Parking lots are served by interior storm drainage – catch basins.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping, soldered
Sanitary Piping Condition	F		P2	Cast iron, no-hub connection
Storm/Clearwater Piping	F		P3	Gutter & downspout
Valves	F		P4	Ball valve
Domestic Water Service	C		P5	4" main
Insulation	F		P6	Glass fiber insulation
Code Issues	D	See below	P7	TMV's, cylinder storage
Equipment				
Domestic Water Heater	F		P8	Gas-fired, sealed combustion
Drench Shower Station	NA			
Recirculation Pump(s)	D	$5,000	P9	Add pump (code issue)
Water Softener	NA			No water softener installed
Thermal Mixing Valve (TMV)	D	$10,000	P10	Add TMV's (code issue)
Grease Interceptor	NA		P11	Verify if unit is installed
Kitchen Equipment	F		P12	
Plumbing Fixtures	F		P13	
Oxygen Storage	D		P14	See Architectural Summary Report

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Backflow Prevention	C		P15	1 ½" hose connection
"Shop" Air Compressor	NA			
Laundry Equipment	F		P16	Milnor commercial unit
Drain Tile Sump/Pumps	F		P17	Duplex pumps, PVC discharge piping
Sanitary Sump/Pump	F		P18	Simplex
Ambulance/Truck Garage	F		P19	Trench drain, garage catch basin
Exterior				
Storm Drainage, Roof Drainage	F		P20	Discharge to underground storm
Lawn Irrigation	NA			
Utilities	F		P21	

NOTES:

P1. Water piping is copper, soldered joints. Good condition.

P2. Original sanitary is cast iron, no-hub connections. Pump discharge is galvanized with threaded connection.

P3. Building is served by gutters and downspouts. Downspouts are picked up underground by storm sewer. Clearwater discharge piping from the pumps is PVC and cast iron, no-hub.

P4. Ball valves are installed. Gate valve on the sanitary discharge piping.

P5. Building is served by a 4" water main – combined fire protection and domestic. 2" water meter with 3-valved by-pass in the basement.

P6. Water piping is insulated with glass fiber insulation.

P7. Code issues: No thermostatic mixing valve (TMV) at the heaters. Add TMV's per code. No recirculating pump at the south heater. Add recirculating pump. Hot water piping length exceeds 100'-0" per code. Gas cylinders are stored in a hallway – should be stored in a 1 hour rated room.

P8. Water heaters are gas fired, sealed combustion vented to the outdoors. North heater is an AO Smith Cyclone, Model BTH-199, 100 gallon, 100,000 BTU. South heater is an AO Smith Cyclone Model BTH-150, 100 gallon, 100,000 BTU.

P9. Install hot water recirculation pump to south heater. Length of hot water piping exceeds 100'-0" per code.

P10. Add TMV's to water heaters. Set hot water temperature to 110° F maximum temperature. Code issue.

P11. Grease interceptor: original plans showed a grease interceptor, 15gpm, 30# unit. Verify if unit is installed.

P12. Kitchen equipment: 2 compartment sink with garbage disposal. No dishwasher.

P13. Plumbing fixtures: Most of the fixtures are ADA-compliant. WC's are wall-hung with flush valves. Lavatories are vitreous china set in the countertop, lever handle faucets. Urinals are wall-hung with battery operated flush valves. Showers are built-up. One ADA shower in Men's/Women's toilet rooms. Men's toilet room also has a janitor's curb installed for clean-up. Single unit Elkay electric water cooler installed outside the kitchen area. Kitchen sink is double compartment stainless steel with garbage disposal. Garage has several cold water service faucets with hose thread vacuum breaker connections. 1 ½" hose connections have an elevated atmospheric vacuum breaker installed. Non-freeze sill faucets installed on the perimeter of building.

P14. Small gas cylinders are installed in a hallway. This is a code issue. Cylinders should be stored in a 1 hour rated room.

P15. There is a Watts 009 RPZ backflow in the boiler room for the HVAC boiler. 1 ½" hose connection in the garage has an elevated atmospheric vacuum breaker installed. Faucets with hose connection ends have a threaded hose end vacuum breaker installed. All backflow prevention is compliant.

P16. Commercial Milnor washer (and dryer) installed off the garage area.

P17. Zoeller duplex submersible pumps serve the building drain tile and a Clearwater drain in the basement.

P18. Zoeller simplex submersible pump serves the floor drain(s) in the basement mechanical room.

P19. Garage: trench drains which discharge to a garage catch basin.

P20. Building roof pitches and water is directed a gutter and downspout system. Downspouts direct to the underground storm sewer. Parking lots direct to interior catch basins.

P21. Utilities are located in Finger Road. Building is served from a 4" water main-combined fire protection and domestic water. Existing 12" water main in street. 4" sanitary sewer connects to an 8" sewer at the property line. (2) 6" storm sewers (east & west) connect to an existing 34"x 53" oval storm lateral.



Water Meter and Sump Pits



Water Meter



Water Meter and Sump Pits



Glass Fiber Insulation



Water Heater Expansion Tank



Water Heater



Kitchen Sink



Garbage Disposal at Kitchen Sink



Water Closet – ADA



Urinals Regular Height & ADA



Lavatories – Men's



Safety Covers on Lavatories



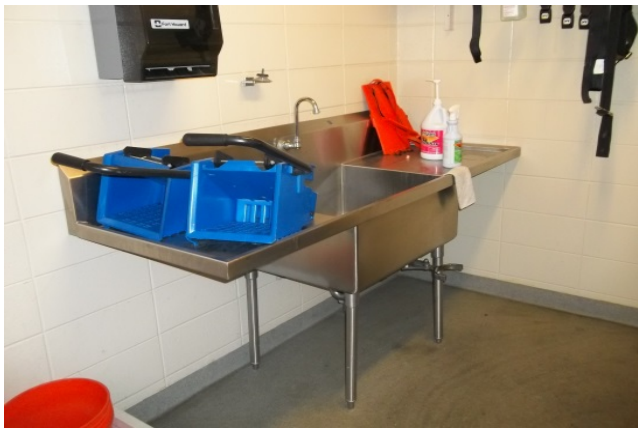
Water Closet & Lavatory



Shower – ADA



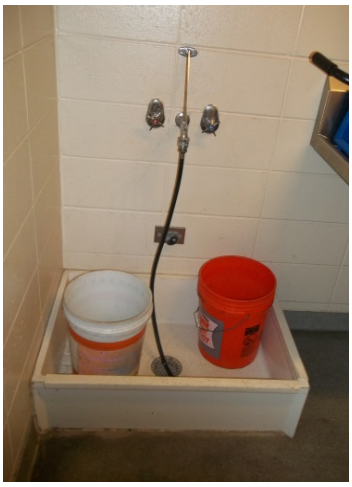
Shower – Women's



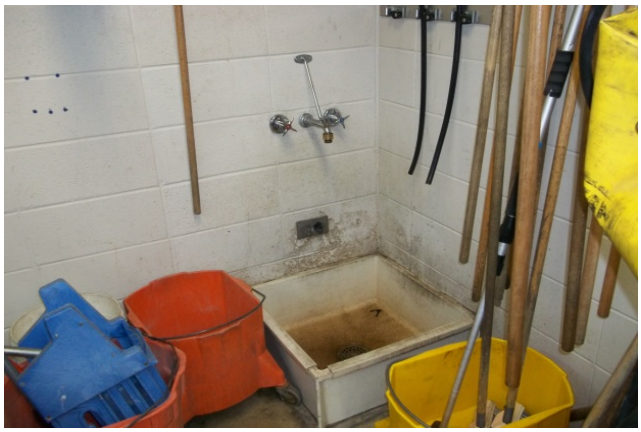
Clean-up Sink



Electric Water Cooler



Janitor's Curb



Janitor's Curb



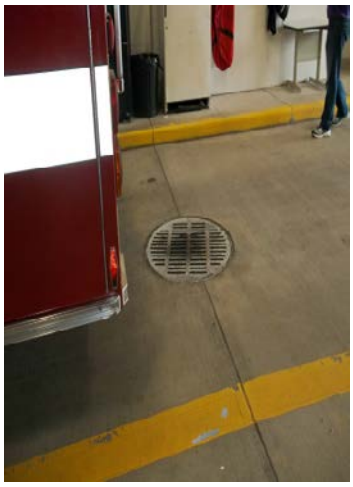
Commercial Laundry Unit



1 ½" Hose Connection



Trench Drain



Garage Catch Basin



HWR Recirculation Pump



Gutter & Downspout



Downspout Non-freeze Sill Faucet



Gutter & Downspout



Gutter & Downspouts



Parking Lot – Catch Basin



Water Heater on Balcony



Cylinder Storage – Hallway

FIRE PROTECTION SYSTEMS

Summary

Fire Station #5 was constructed in 1996 and was fully sprinkled at that time. The original equipment installed is still in service and overall appears to be in good working order. The system is tested and maintained on a regular basis.

The only deficiency found was a minor offense that does not have a cost associated with its remedy. In Room 129 straps were found hanging from the sprinkler piping. Nothing is allowed to be hung from sprinkler pipes. Removing these straps from the sprinkler piping will remove the deficiency found.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

FIRE PROTECTION	GRADE	BUDGET COST	NOTES	COMMENTS
Water Service	**C**		**FP1**	4" Underground
Backflow Prevention	**C**		**FP2**	Double Check Valve
Fire Pump	**NA**			
Fire Pump Controller	**NA**			
Jockey Pump	**NA**			
Jockey Pump Controller	**NA**			
Wet Pipe Sprinkler System	**C**			
Valves	**C**		**FP3**	OS&Y Gate and Butterfly Valves
Piping	**D**	No Cost	**FP4**	Black Steel
Sprinkler Heads	**C**		**FP3**	Upright and Pendent
Percent of Building Unit Sprinkled	**100%**			
Other Fire Protection Systems				
Pre-action System	**NA**			
Kitchen Hood System	**C**		**FP5**	Ansul R102 Wet Chemical System

NOTES:

FP1. The underground water main is a 4" main that enters the building on the north wall of the mechanical room. The 4" main supplies both the Fire Sprinkler System and the Domestic Water System. A 4" main that serves both systems is acceptable when calculations are performed and indicate that a 4" main is adequate for both systems.

FP2. The backflow preventer is a 4" Ames 2000SS in good to new condition. OS&Y Gate Valves are located on either side of the backflow preventer and also appear to be in good to new condition.

FP3. The valves, piping, and sprinkler heads appear to be in good to new condition. The sprinkler heads used are a mix of upright and pendent sprinkler heads with all rooms and closets protected with sprinkler coverage. The butterfly valves on the system riser are equipped with internal tamper switches. These switches are not wired to the fire alarm system but are chained in the open position. This meets the requirements of NFPA 13.

FP4. The pipe is black steel pipe with a mix of threaded and grooved fittings and does not show any sign of leaking or corrosion. In Room 129 straps are hung from the sprinkler piping. This is a violation of NFPA 13.

FP5. The Ansul Wet Chemical System appears to be in good condition. Blow off caps are present on the discharge nozzles and the system appears to be in good working order.



Water Service and Double Check Valve BFP



Butterfly Valve Tamper Switch not Wired



Sprinkler Head Below Stair



Straps Hanging from Sprinkler Pipe



Ansul Wet Chemical System



Ansul Wet Chemical System

HVAC SYSTEMS

Summary

The building was constructed in 1997. The equipment appears to be, in general, all original equipment. There are no visible indications that the building or equipment has been significantly modified.

The living quarters is served by a modular air unit, which is located in a basement mechanical room. The air unit utilizes split system DX cooling to condition the air. The condensing unit is located on grade adjacent to and above the mechanical room. The compressor operated continuously during site visit, while the condenser fan cycled approximately every 30 seconds with a 5 second run time. When operational the fan was noisy and could be heard inside the sleeping room.

Ventilation air is distributed to each room where a reheat coil will heat the air to regulate the space temperature. Wall mounted fin tube radiation provides additional heat along some of the perimeter rooms.

Multiple exhaust fans serve the janitor's closet, toilet rooms and locker rooms. The units are quite dirty and the unit in the janitor's closet appears plugged. Exhaust air is discharged through the roof.

The kitchen ventilation hood is served by a roof mounted fan. The hood is a type 1 hood with an angled grease filter and a fire suppression system. The unit appears to meet current code requirements.

A hot water boiler system is located in a basement mechanical room. The pumps operate lead/lag and serve a single boiler. The hot water is distributed to reheat coils, fin tube radiation, convectors and cabinet heaters located throughout the living quarters. The combustion air duct terminates near structure above, it does not terminate near the floor, and a sprinkler pipe is located directly above the outside air opening.

The gas meter and electric meter are located in close proximity. It appears that the electric service has been reworked and the meter is not in compliance with WPS standards which reference NFPA and the National Electric Code.

The controls are a mix of pneumatic and electric. An air compressor for the living quarters is located in the basement mechanical room. Apparatus room controls are electric. Some of the units in the living quarters, such as the unit heater in the boiler room, utilize electric controls to cycle the fan. An air compressor for the PlymoVent system was not located. The unit is possibly located on the apparatus mezzanine, concealed behind some storage.

The apparatus garage is served by (2) gas fired make-up air units. Radiant heaters are also utilized to heat the garage. Two exhaust fans, located on the garage roof, provide the space with the required exhaust. A gas detection system, for each fan, is located in the garage. This system, when installed, allowed the exhaust system to remain off except for 5 hours a day and if gas was detected thereby providing energy savings. A truck exhaust system (PlymoVent) is connected to each truck and utilized to capture and expel exhaust fumes as trucks leave during fire calls.

A hazardous storage room is ventilated by a dedicated exhaust fan. This fan is located on the side of the building. A hose dryer is vented to the outdoors. A boot dryer is vented to the outdoors. The laundry dryer is vented into the turnout room. Multiple exhaust fans serve storage rooms, toilet rooms, and the turn-out room.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air Unit			**H1**	Installed 1997.
Housing	**F**			
Air intake	**C**			
Condenser	**CP**	$15,000	**H1**	Carrier 38AKS012. Housing beginning to rust, condenser fins are bent. Compressor runs continuous, fan short cycles and is quite loud.
Fan	**F**			4800 CFM, 5HP.
Filters	**F**			30% filters
Controls	**C**			Pneumatic actuation.
Ductwork	**C**			Original to the 1997 installation. Return fan in poor location creates rumbling noise in the occupied area.
Insulation	**C**			Where viewed the insulation appears intact.
Humidity	**HP**	$10,000	**H1**	Residential type unit. Manually filled. Humidification is not a code requirement.
Occupied Space Ventilation (Basement)	**C**			A cabinet heater is installed in the exercise area with ducted outside air.
Occupied Space Thermal Comfort	**HP**	$3,000	**H1**	All thermostats labeled "Do not touch". Possible control sequencing issue.
Exhaust Fans				
Toilet/locker room exhaust	**F**		**H2**	Original units.
Exhaust Ductwork	**CP**	$2,000	**H3**	Dust/lint build-up on grilles/ducts. Janitors exhaust grille is plugged almost solid. Reduced ventilation due to plugging grilles.
Kitchen Hood, Fan and Ductwork	**C**		**H4**	Type 1 hood, fire suppression, and angled filter.
Boiler System	**C**		**H5**	Original to 1997 construction.
Boilers	**C**			Burnam boiler, 462 MBH input, 389 MBH output
Pumps	**C**			Taco 1 HP lead/lag pump 36GPM@40 feet
Piping	**D**	$6,000	**H5**	Copper water piping, steel gas piping. Gas meter and electrical meters are too close together.
Pipe Insulation	**C**			Appears intact wherever visible.

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Room Terminal Units	C			Convectors, cabinet heater, fin tube pneumatically controlled valves. Electric control for fan cycling.
Mechanical Room Ventilation	HP	$1500	H6	Combustion air venting is not compliant. No low vent termination. Water pipe located over vent.
Controls				
Air Compressor	C			1 HP duplex unit
Room Control	C			
Garage Ventilation			H7	
Make-up Air Unit	C			Gas fired units suspended high in apparatus room. (2) units @ 350 MBH.
Exhaust	C			(2) 1,500 CFM fans. Multiple fans for storage and turn-out rooms.
Truck Exhaust	C			PlymoVent.
Control	C			Electric.
Dryer Exhaust	D	$2,000	H8	Vent terminates inside. Originally vented through roof (now abandoned.)

NOTES:

H1. Air unit is original to the 1997 construction. Expected useful life is 20-25 years depending on maintenance and operation of the unit. The unit is beginning to show its age. The condensing unit is rusting and the condenser fins are damaged. The compressor runs continuously while the fan short cycles. The condenser is quite loud and can be heard in the sleeping room. It is recommended to plan for the replacement of the condensing unit in the near future and the air unit in approximately 5 years. When the unit is replaced, consider relocating the return fan to reduce vibration and noise issues in the basement spaces.

Ventilation air is distributed throughout the occupied space where reheat coils will heat the air to provide individual room comfort. The boiler must remain operational to allow the reheat system to operate and maintain individual room comfort. The boiler was disabled. Recommend review of the control sequences to ensure the units operate as intended to achieve the desired results.

A portable residential style humidifier is located in the sleeping room. This indicates that the occupants are attempting to regulate the building humidity to improve their comfort. This unit will actually improve humidity only slightly, but may have a greater psychological effect. This is because the air unit will introduce a greater amount of dry outside air than this unit can properly humidify. To humidify this building, it is recommended to install an electric or gas fired humidifier that is sized to serve the entire living quarters.

H2. Multiple exhaust fans are located throughout the facility and the apparatus area to ventilate storage rooms, toilet rooms, and janitor's closets. The fans are typically approaching the end of their expected useful life. No immediate replacements appeared to be necessary based on a visual inspection, however replacements in the near future will be necessary.

H3. Dust building up is visible on the grilles and visible portion of the duct. Some of the grilles were coated black and are plugging, reducing the ventilation air flow. Duct cleaning and air balancing is recommended to ensure proper ventilation rates within these areas.

H4. The kitchen hood is a type 1 hood, equipped with fire suppression and an angled grease filter. Unit appears to be in compliance with current requirements.

H5. The boiler system is original to the 1997 construction. Boiler system will have an expected useful life of 25-30 years depending on maintenance practices. This boiler system is piped with lead/lag pumps. There is no filter unit, like stations 2 and 7. Future installation, when boiler is replaced, is recommended to aid in removing suspended particles from the heating system.

The gas and electric meter are located immediately adjacent to each other. Public service requirements are 2' to 4' apart depending on arrangement. The electrical service appears to have been revised but the meter may have been set in this position since the 1997 construction. The deficiency is tagged as the installation does not meet current construction guidelines and requirements.

H6. The boiler combustion venting is high in the room. There is no duct terminating low in the room as required by code. A low vent is recommended. However, as this system has operated for 18 years, it is recommended to correct the deficiency when the boiler is replaced.

H7. The apparatus garage is currently served by gas fired make-up air units and radiant heaters. The garage exhaust is served by power roof ventilators with additional fans serving the hazardous storage room and ancillary storage rooms. A gas detection system is installed in the garage to take advantage of a code provision to allow the system to operate for 5 hours a day and not continuously, which provides significant energy savings. Under current code a small exhaust fan could be installed to exhaust the garage continually and this would provide additional energy savings. No recommendations for immediate replacement or installation of equipment are made at this time.

A PlymoVent exhaust system is connected to each truck parked in the garage. This system operates whenever a truck is started and the vehicle exhaust is expelled from the garage. The hoses, where attached to the trucks, are showing some signs of wear and tear.

H8. A laundry dryer is located in the turnout room and terminates inside the room. The original vent is abandoned, as it is not constructed of the proper material, is too long, and has too many elbows. It is recommended to replace the vent and terminate the dryer vent outside.



Air Unit



Condensing Unit



Basement Cabinet Heater



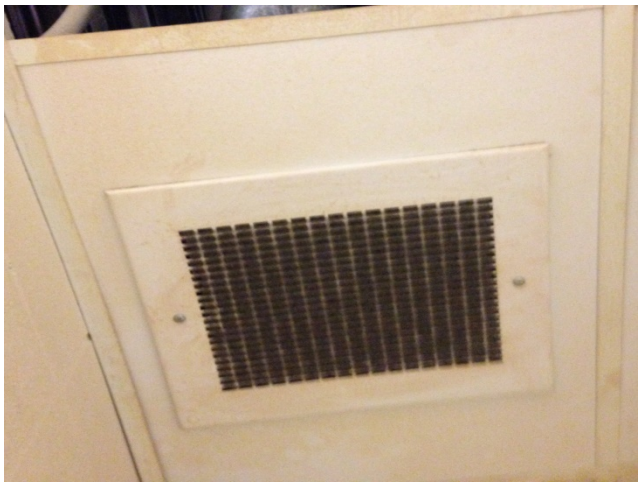
Boiler Room Unit Heater



Boiler Room Venting



Kitchen Hood



Typical Exhaust Grille



Typical Supply Grille



Typical Fin Tube Radiation



Boiler Control



Humidifier



Boiler



Hot Water Pumps



Electric Thermostat



Gas Meter



Temperature Control Air Compressor



Pneumatic Thermostat



Garage Make-up Air Unit



Garage Radiant Heater



Garage Gas Detection



Garage Heating Controls



Generator Room Venting



Abandoned Dryer Vent



Grille Gas Connection



Garage Exhaust Vent



Truck Exhaust (PlymoVent)



PlymoVent Exhaust Fan



Dryer Exhaust Vent



Hose Dryer



Hazardous Exhaust Fan

ELECTRICAL SYSTEMS

Summary

The building is served by a 600 Amp, 120/208 Volt, three-phase electrical service. The panels are in good condition and have capacity for the future. The emergency generator serving the building is in fair condition. The emergency system is fed from a single transfer switch and panel board. The equipment is in fair condition and has some future capacity. An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads. Storage is currently partially blocking the code required 3-feet for electrical clearance for Panels C and E2.

The outlets within the garage are not GFCI protected. Exterior outlets are GFCI, but their covers are not weatherproof while-in-use. Lighting fixtures are in good to fair condition and utilize T8 lamps and ballasts, incandescent and compact fluorescent lamps. There are several fixtures with broken or missing lenses. These should be replaced or repaired. There are occupancy sensors located in the toilet rooms, but the facility should install occupancy sensors in offices, dining room, storage rooms and janitor's closets. HID building mounted fixtures are in good condition; consideration should be given to replacing the HID fixtures with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition and the facility is pulling Cat 5e and Cat 5 data and voice cabling and coax for CATV. The fire alarm system includes stand-alone smoke detectors and carbon monoxide detectors throughout the building which are in good condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Electrical Service				
Utility Service Entrance	C		E1	Pad mounted utility transformer serves 600 Amp underground electrical utility service and enters the building in the basement.
Normal Power Distribution Equipment				
Main Distribution Panel	C			600 Amp Square D I-Line panel in good condition.
Branch Panels	C		E2	Square D NQOD panels in good condition with future capacity.
Emergency Power Distribution Equipment				
Generator	F			19 KW Kohler natural gas generator in fair condition.
Transfer Switch	HP	**$5,000**	E3	Kohler 70 Amp ATS in fair condition.
Branch Panel	HP	**$10,000**	E2, E3	Two Square D panels with future capacity. Mixed loads.
Power				

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Receptacles	D	$1,000	E4	Garage outlets and outlets within 6' of sinks need to be GFCI. Provide weatherproof while-in-use covers for all exterior outlets.
Lighting				
Garage	C			Industrial fixtures and surface mounted wraps with T-8 lamps in good condition.
Office spaces, conference rooms, and corridors	C			Recessed acrylic lens troffers and suspended wrap-arounds with T-8 lamps in good condition.
Sleep Rooms	C	$100	E5	Recessed acrylic lens troffers with T-8 lamps and wall mounted incandescent sconces at each bed in good condition.
Toilet Rooms	C			Recessed troffers, surface mounted industrials and wrap-arounds in good condition.
Mechanical Spaces, Storage Rooms, Utility Areas	F	$2,000	E6	Industrial strips and surface mounted wrap-arounds with T-8 lamps, some fixtures have broken lenses, others are in good condition.
Exterior	C	$5,000	E7	HID parking lot poles, wall packs and flagpole light in good condition controlled by photocell.
Lighting Controls				
Offices	HP	$1,000	E8	Add occupancy sensors
Toilet Rooms/ Small Storage Rooms	F	$500	E8	Toilet rooms have occupancy sensors in good condition; add sensors in janitor and storage rooms.
Emergency Egress Lighting and Exit Signs				
Corridors	C			Fixtures connected to emergency panel.
Exit Signs	C			LED type in good condition.
Fire Alarm Devices				
Smoke Detectors	C			A few stand-alone smoke detectors and carbon monoxide detectors throughout the building.
Telecommunications				
Data/Voice	C			Cat 5 and Cat 5e cabling

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
CATV	C			Coax

NOTES:

E1. The electric meter is located adjacent to the gas meter which does not meet current WPS requirements. If the electrical utility service were updated in the future, the electric and gas meter would require being located further apart.

E2. Code required 3-feet for electrical clearance and clear space above the equipment is not being fully maintained.

E3. Recommend providing an additional automatic transfer switch and panel board to separate the critical and equipment branch loads onto a new panel and leave the existing panel with the life safety loads.

E4. Replace all outlets located in the garage area with GFCI type device. Add weatherproof while-in-use covers on exterior outlets. Replace existing outlets within 6-ft of sinks with GFCI type device, unless they are currently protected from a nearby GFCI outlet. If this is the case, the outlet should be labeled per NEC requirements.

E5. Replace incandescent lamps with compact fluorescent or LED type for energy savings.

E6. Consideration should be given to replacing older fixtures with new. Replacement or repair should be done on fixtures with broken or missing lenses.

E7. Consider replacing all HID fixtures with more efficient LED in the future.

E8. Occupancy sensors should be installed in the meeting room, classroom, offices, storage rooms, and janitor's closets to provide additional energy savings. If areas are renovated, controls will be required to be updated to meet current energy code.



Main Electrical Service Meter



Utility Transformer



Fiber Entrance and Data Rack



Data and Phone System



Surge Suppression



Main Electrical Distribution Panel



Generator



Automatic Transfer Switch



Panel A



Panel B



Panel C



Panel D



Emergency Panel E2



Emergency Panel E1



Lighting Contactor



Post Mounted Receptacle



Exterior Receptacle



Plug Strip



Exit Sign and Wireless Access Point



Hazardous Incandescent



Sleeping Room Lighting



Sleeping Room Sconce



Office Lighting



Surface Wraps Missing Lens



Garage Outlet and Door Controller



Garage Passage Wall Lighting



Garage Lighting



Dining Room Lighting



Building Mounted Fixtures



HID Wall Pack and Flag Pole Lighting



Stand Alone Carbon Monoxide Detector



Stand Alone Smoke Detector



HID Wall Pack Lighting



HID Parking Lot Pole Light

EVALUATION

OF

CITY-OWNED FACILITITES

FIRE STATION #6

August, 2015

FIRE DEPARTMENT

SUMMARY

Date of Visit: May 28, 2015
Address: 1701 W. Mason Street

Building Description
The 1968 symmetrical, single-story, California style building places the vehicle/apparatus room at the center of the two lower wings. The north wing houses the majority of fire department living and working spaces. The south wing includes a large room on the west side used for fire department training in the winter, and park shelter space in the summer months. The Men's and Women's toilets for the park shelter are accessed from both the south exterior and a corridor from the training room on the interior. There is a basement under the south wing only.

Existing roofing is a fully adhered EPDM membrane, installed in 2014. The downspouts at the east face discharge directly to grade and extensions are recommended for getting the storm water away from the building foundation.

Code/Accessibility
The Wisconsin building code at the time of construction would have placed this building in the Wisconsin Commercial Code Chapter 54 Business. It is presumed to have complied with code at the time it was built.

Several doors to the facility do not provide the amount of maneuvering clearance required to be accessible. Some interior doors have knob handles, which are not accessible, and not as easy/fast to use.

The Women's room (2007) and recent shower room (2013) met applicable IBC at the time of renovation, and meet current accessibility guidelines. The public toilet rooms used in the summer months in association with the park shelter do not have any accessible fixtures.

Structural System
The structure is a frame of glued-laminated wood beams and columns with tongue-and-groove wood roof decking.

Plumbing Systems
The original piping is in fair condition; it could be replaced as needed when issues arise. A thermal mixing valve (TMV) and hot water recirculation pump (and piping) should be added to the system. Hot water temperature to the public toilet rooms **exceeded 145° Fahrenheit**, major scalding potential. Building utilities in general appear adequate.

The oxygen and air cylinders should be stored in a 1-hour fire rated room.

This building is not equipped with an automatic fire sprinkler system. However the exhaust hood in the kitchen should have an Ansul (or equal) kitchen suppression system installed.

HVAC Systems
The majority of the HVAC systems have been upgraded over the years.

The sleeping/dining area is served by a packaged roof top air unit with gas fired heat. The unit is controlled by two thermostats, one located in the dining room and one located in the sleeping room.

The TV room area and basement work out area is served by a residential style furnace with split system DX air conditioning. The meeting room area is served by a residential style furnace. Residential style humidifiers are located in the facility's sleeping rooms.

The kitchen hood appears to be a type 1 hood, with a horizontal grease filter.

A truck exhaust system (PlymoVent) is connected to each truck and utilized to capture and expel exhaust fumes as trucks leave the building. The original room exhaust and make-up air fans have been removed. Gas fired unit heaters provide this room with heat.

Electrical Systems

The building is served by a 400 Amp, 120/208 Volt, three phase electrical service. The panels are in good condition, and have capacity for the future. The emergency generator serving the building is in fair condition. The emergency system is fed from a single transfer switch and panel board. The equipment is in good condition and has some future capacity.

An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads. Other minor safety and efficiency changes are recommended.

The server equipment is in good condition and the facility is pulling Cat 5e and Cat 5 data and voice cabling and coax for CATV. The fire alarm system includes stand-alone smoke detectors and carbon monoxide detectors throughout the building which are in good condition.

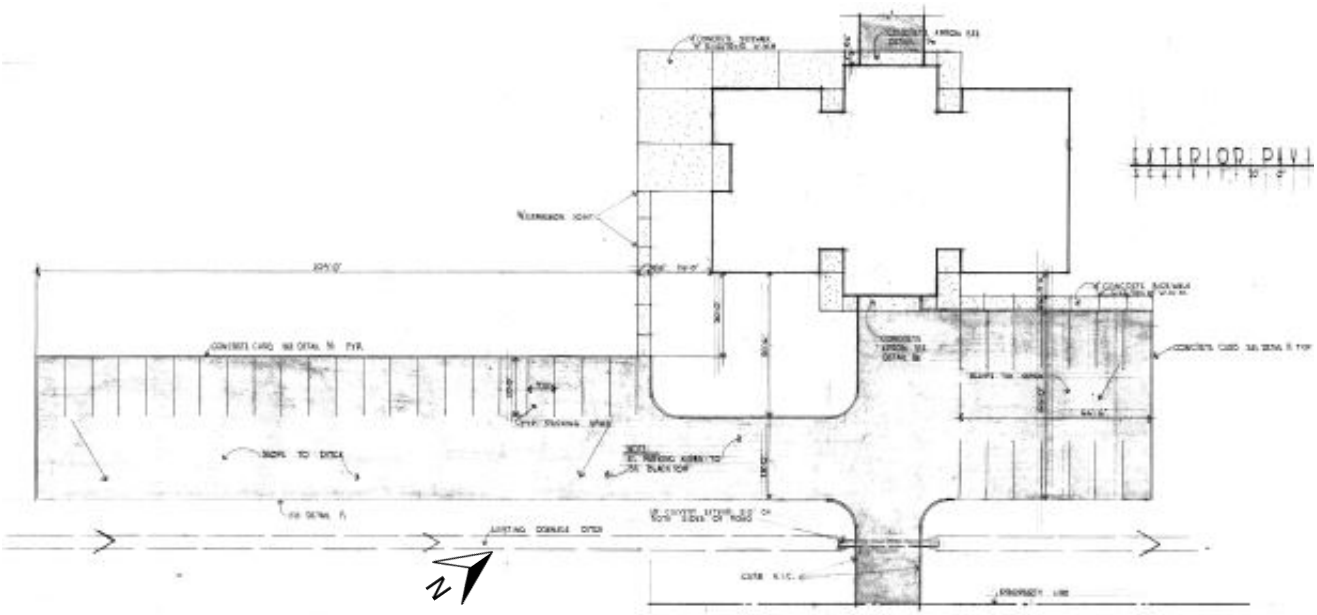
Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural	Oxygen Tank Storage			**$15,000**
Code/ADA			Accessible toilet	**$6,000**
Structural				**NA**
Fire Protection				**NA**
Plumbing			Insulation	**$5,000**
	Recirculation Pump(s)			**$6,000**
	Thermal Mixing Valve (TMV)			**$6,000**
Plumbing Subtotal				**$17,000**
HVAC Systems			Humidity	**$1,000**
			Controls (Air Unit)	**$20,000**
		Air Intake		**$1,500**
		Controls		**$3,000**
	Ductwork			**$8,000**
			Humidity (Residential)	**$2,000**
			Public Toilet Rooms	**$1,000**

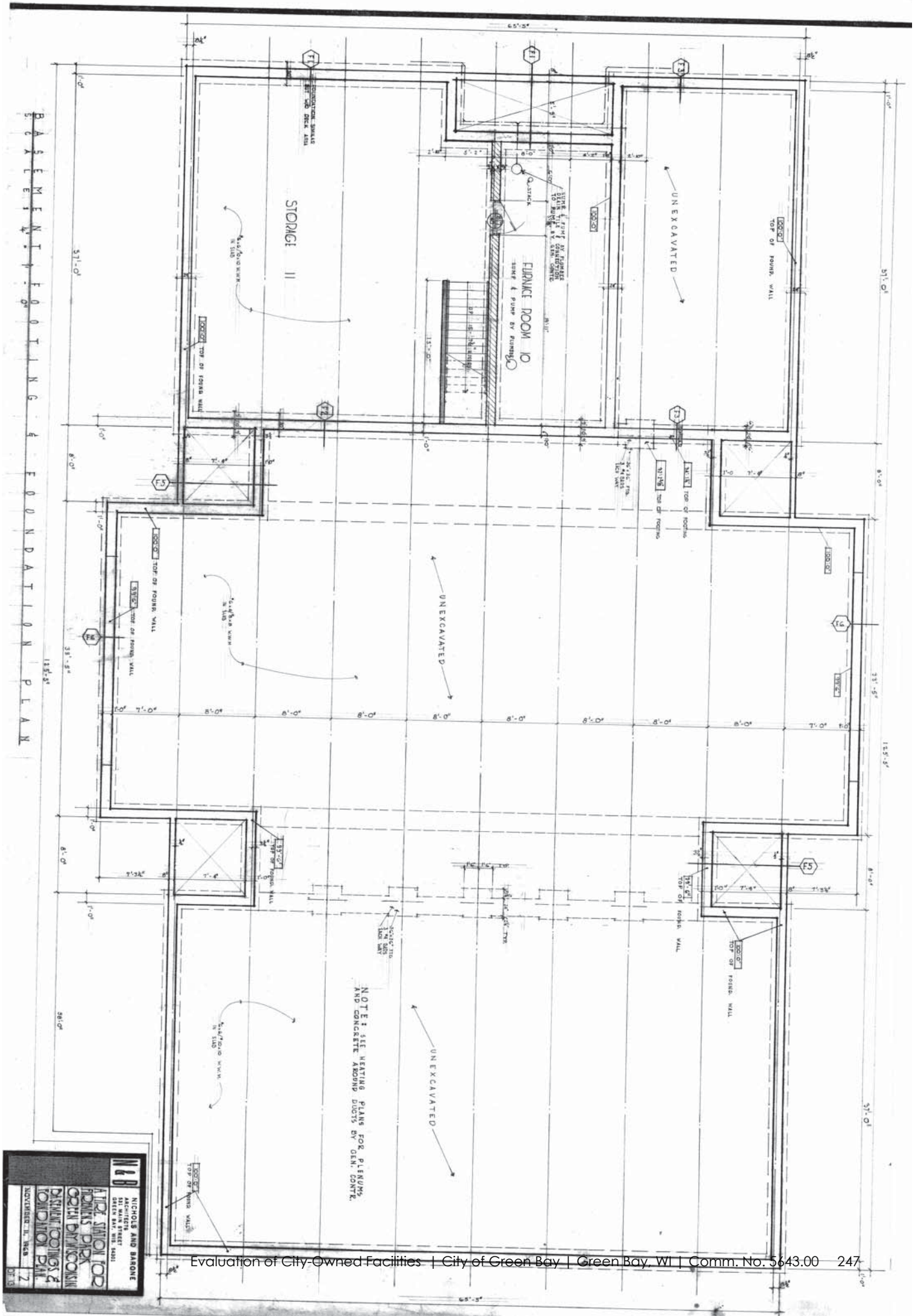
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
			Kitchen Hood, Fan and Ductwork	**$25,000**
			Building Ventilation	**$3,000**
	Make-up Air Unit			**$110,000**
	Dryer Exhaust			**$500**
HVAC Subtotal				**$175,000**
Electrical			Transfer Switch	**$5,000**
			Branch Panel	**$10,000**
	Receptacles			**$1,000**
			Conference or Meeting Rooms	**$1,000**
			Offices	**$1,000**
Electrical Subtotal				**$18,000**
Building Total				**$231,000**

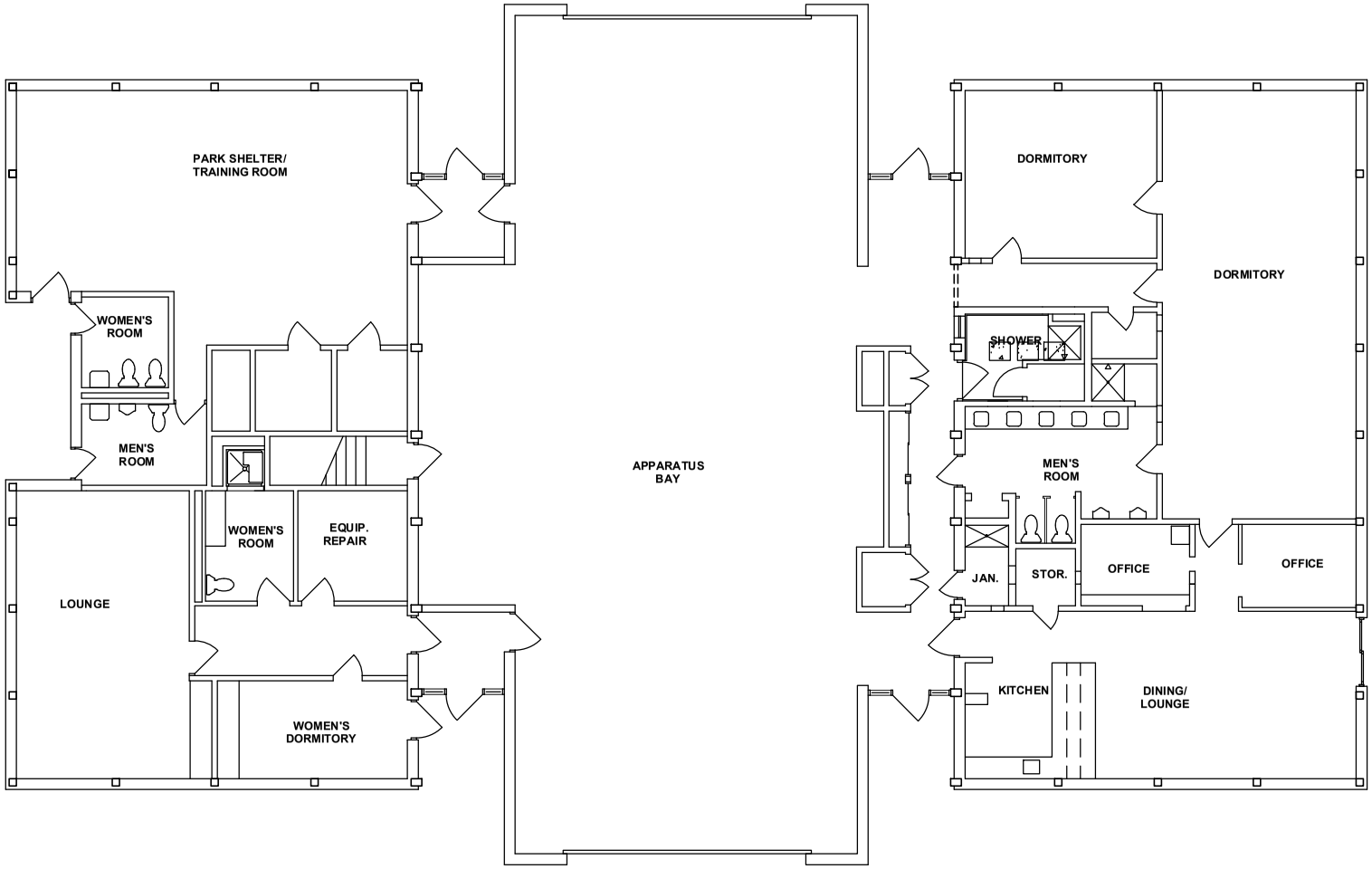


Site Plan



Aerial View of Site


BASEMENT - FOOTING & FOUNDATION PLAN
SCALE 1/4" = 1'-0"
STORAGE 11
FURNACE ROOM 10
UNEXCAVATED
UNEXCAVATED
UNEXCAVATED
NOTE: SEE HEATING PLANS FOR PLENUMS AND CONCRETE AROUND DUCTS BY GEN. CONTR.
NICHOLS AND BARONE
ARCHITECTS
GREEN BAY, WIS.
A FIRE STATION FOR ROBERTS PARK
OREN DAY WISCONSIN
BASEMENT FOOTINGS & FOUNDATION PLAN
NOVEMBER 11, 1968
A-2



FIRE STATION #6
FIRST FLOOR

1/16" = 1'-0"

ARCHITECTURAL

Building Description

The exterior form of Fire Station #6 and its adjoining park shelter is symmetrical, although the rooms inside of each wing differ. The1968 single-story, California style building places the vehicle/apparatus room at the center of the two lower wings. There is a basement under the south (park shelter) wing only.

The north wing houses the majority of fire department living and working spaces. There is an aluminum frame glazed entry vestibule at both the east and west sides, providing access to both apparatus bay and living quarters. Perimeter rooms include kitchen, dining, one office, and dormitories. Interior rooms include office, storage, bathroom, and linen closet. Additional interior rooms are accessed from a corridor open to the apparatus bay, as opposed to the occupied spaces. They include storage rooms, a work counter, furnace room, and a recently (2014) remodeled additional shower room.

The south wing includes similar, symmetrical glazed entry vestibules on the east and west side. Between these vestibules is another open work area for the fire department, housing work bench, tools, drying racks and equipment, and the door to the basement area. A large room on the west side is used for fire department training in the winter, and park shelter space in the summer months. Two locked storage rooms open off the large room. The Men's and Women's toilets are accessed from both the south exterior and a corridor from the training room on the interior.

The east side of the south wing includes the fire department's lounge, a women's rest room (2007) and shower, a small dormitory, and equipment repair room. The basement houses the work-out space, storage, and mechanical equipment.

Doors

Dark bronze colored aluminum doors and sidelights are at all four vestibule entrances. Sliding patio doors in the lounge are wood. A piece of wood trim has been placed along the threshold at the interior, apparently to stop drafts. Most interior doors are flush wood, probably birch veneer.

An exterior door from the south side dormitory room has been covered with paper and duct tape for privacy, but the door remains in the wall. The door from the apparatus room to the kitchen is a different stain color, with white steel framed double-hung half-light window in it. Sectional overhead doors are located at both sides of the apparatus bay for drive-through access.

Windows

Windows are primarily fixed, dark-bronze anodized aluminum, and not original to the building. Most appear to be in good working condition and no leaks have been reported.

The apparatus room includes clerestory windows on the north and south. The occupied spaces have high windows north and south and the majority of the original windows were infilled on the east and west. Openings were infilled with stucco to match the transom of the garage door on the apparatus room.

The fenestrations, both in-filled and existing, make a continuous band at the perimeter of the building. The mullion lines and trim work are aligned with the glu-lam construction and are finished to match.

Some of the clerestory windows to the apparatus room have been infilled with either stucco-finished insulated panels and/or mechanical ventilation or exhaust.

Sealants at perimeter of fenestrations appear generally in good condition. Annual inspection for ruptures, tears and cracking should be continued.

Building Envelope

Exterior walls

Exterior wall comprised of modular sized face brick, concrete block back-up to a height approx. 5'-0" above grade and stucco above. No insulation noted at the masonry; stucco panel make-up is unknown.

The sectional overhead doors, facing plan east and west, include (2) windows near each jamb and appear to be in good, operating condition. The transom panel above the doors are finished with stucco and wood trim.

Original face brick appears in good condition including the mortar. Some chips observed at the jambs of the garage door openings.

The rakes and eaves form a significantly sized and low overhang, clad with a variety of wall panel strategies and colors. Extensive 'oil canning' and denting noted in the fluted panel and other exterior metal. The soffits are a solid stucco with blank-off cover panels at the removed light fixtures and several cracks were observed.

A residential style, sliding patio door was added off the kitchen. The face brick was cut back and patched with non-matching mortar. The high windows were in-filled with wood paneling.

Roof

Existing roofing is a recently installed, fully adhered EPDM membrane. Roof was installed circa 2014. Multiple rooftop units and penetrations noted. Flashings and trim appear to have been salvaged from an earlier roof. On the north side, a residential-style gutter occurs at an added patio door off the kitchen. No downspouts are included.
The east face is fully guttered with downspouts at either end. The downspouts discharge directly to grade and extensions are recommended for getting the storm water away from the building foundation.

The sill/flashing line at the clerestory windows of the apparatus room is very shallow.

Interior Finishes

Floors

Offices, dormitories, lounge and meeting spaces are carpeted. The kitchen and dining area has 12"x12" glazed tile floor. All bathrooms have 2"x2" ceramic mosaic tile floor. Other interior areas such as storage, work-out and equipment repair rooms have 12"x12" composite tile. The large meeting room/park shelter area is half carpet, have composite tile.

Areas that are open to the apparatus bay have quarry tile floor finish, while the vehicle area itself is concrete. Basement storage rooms have sealed or painted concrete floors.

Walls

Walls are primarily either painted concrete masonry units (CMU) or gypsum board. Dormitory rooms have CMU to a height of approximately 5'-4", with gypsum board above. A wood trim covers the joint between materials.

Some exposed brick is used in the area open to the apparatus bay. Glazed ceramic tile (4 ¼" x 4 ¼") is used as a wainscot at the kitchen, original bathrooms and janitor room. The recent shower room addition has full height ceramic tile walls. The 2007 Women's room has gypsum board walls with a prefabricated shower.

Ceilings

Interior areas generally have 2'x2' lay-in acoustic panel ceilings with a white semi-recessed grid. Heavy timber beams from the roof structure are visible in most of the building's perimeter rooms. The ceiling of the apparatus bay is exposed structure, extending up to the underside of the roof deck, which is painted white.

Casework

Casework appears to be original: medium stained oak flat panel door and drawer fronts with chamfered edges on oak frame. Counters are plastic laminate. Wood-look laminate wardrobe units are used in the dormitories to separate sleeping quarters.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	C		n/a	
Exterior Facade Condition	C		n/a	
Metal gutters and downspouts	F	$5000	A1	
Windows	C		A2	
Ceilings	C			
Oxygen Tank Storage	D	$15,000		One hour rated room required
Flooring				
Carpet	C			
Composite tile	C			
Ceramic and quarry tile	C			

NOTES:

A1. Provide full gutters and downspouts at north side. Provide downspout extensions at south side.

A2. Although a variance was granted to allow the windows in one of the dormitory rooms to be replaced with wall panel, it would be preferable to install better performing windows and be able to provide natural light to an occupied space.



East Elevation



West and South Elevations



Sliding Patio Doors (North Elevation)



Basement Work-out Room



Training/Park Shelter



Lounge (South Wing)



Dormitory (South Wing);
Paper-covered Door



Women's Room (South Wing)



Shower (North Wing)



Kitchen & Dining



Office



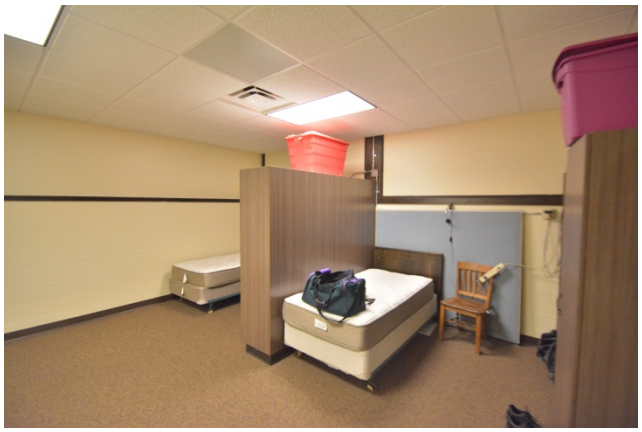
Corridor, North Wing



Southwest Vestibule



Dormitory



Dormitory with No Windows



Central Apparatus Bay



Park Shelter Restroom Entries

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1968	**Gross Area**	Basement: 1,643 SF First Floor: 8,322 SF
Occupancy Classification *(Chapter 3 of IBC)*	**S-1** Moderate-hazard Storage non-separated from **B** Business and **R-3** residential		
Construction Type *(Chapter 6 IBC)*	Construction Type II-A (Primary structure of non-combustible materials and 1hr rated roof)		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**. Recent women's room (2007) and shower room (2013) updates to the building have met both IBC applicable at the time and ADA guidelines.

The Wisconsin building code at the time of construction would have placed this building in the Wisconsin Commercial Code Chapter 54 Business. Its class of construction would likely have been Fire Resistive Type A, which is similar to IBC Type II-A. Criteria for this rating include a 1 hour rated roof, which is met by the 2 ½" thick wood ceiling structure.

The IBC does not specify fire stations as being Business occupancy, therefore the building occupancy may be determined more by usage of space. For Fire Station #6, both the basement and 1st floors are non-separated B-business, S-1 storage and R-3 residential.

Egress

There are multiple at-grade egress doors around the facility. Although there are more than would be required for the number of occupants, several doors have materials stored either interior or exterior which are partially obstructing the door. It is recommended that any doors currently available for use as egress be cleared of such obstructions.

Shafts

The only stair in the facility connects the basement with the main level, accessed via the apparatus room. The stair is unenclosed at the basement level, but enclosed at the apparatus room. Since the stair connects only the two levels, this amount of enclosure complies with current code (708.2, exception 7).

A duct shaft between basement mechanical room and the upper level is noted as 2 hour rated in the original construction documents. This would exceed the current requirement for 1 hour rating of a shaft connecting fewer than 4 floors.

Handrails

The existing handrails at stairs are approximately 32" above the toe of the stairs, which is slightly lower than current code requirement of 34" minimum. There are no handrail extensions at top or bottom of stair.

Summary of Accessibility/ADA Compliance

The following summary of accessibility is provided for owner reference, with the acknowledgement that persons using this building can only do their job if they do not have accessibility needs. That said, certain upgrades, such as lever door handles, could be done that would make operation easier and quicker. As noted above, accessibility may be mandated by code based on the extent of work being done.

Accessible Route

The multiple at-grade egress routes have been noted above, however, there are several doors which do not provide the amount of maneuvering clearance required to be accessible: the interior doors at the SW vestibule, the door to the living quarters at the SE vestibule, the door to the dormitory at the NW passage, and the door to the basement.

Doors

Doors that date from the time of the original construction have a mixture of push/pulls and knob handles, which are not accessible, and not as easy/fast to use. Doors added or changed as a result of various renovations over the years, such as the Women's rest room and the basement Conference Room, have lever handles.

Plumbing Fixtures

The Women's room (2007) and recent shower room (2013) met applicable IBC at the time of renovation. Since that time, an additional vertical grab bar has been added to the requirements for grab bars at toilets. Toilet rooms original to the construction of the building have stalls with side grab bars, but these do not meet current accessibility guidelines. The Men's room does not provide accessible toilet or shower. An accessible shower is provided in a separate room, and if necessary, the Women's single-user room could be utilized for an accessible toilet.

The public toilet rooms used in the summer months in association with the park shelter do not have any accessible fixtures. Neither toilets nor lavatories have the required clear floor space, and the toilets do not have compliant grab bars.

In the living quarters, the kitchen sink is at a rim height of 36", which is above the 34" that would be required for side approach access.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Stair shafts/circulation	C			
Handrails/guardrails	F			Handrail height is not a safety issue
Accessible route	F		CA1	
Doors	C F		CA2	
Plumbing fixtures	C F			Newer renovations are compliant
Accessible toilet	HP	$6,000	CA3	Creating 1 accessible toilet is recommended.

NOTES:

CA1. Clear available egress doors of obstructions/stored items. Doors that do not provide proper maneuvering clearances would require remodeling to address, as switching the door swing would create a different obstruction to egress in most cases.

CA2. Lever handles would comply with accessibility codes and facilitate ease of use. Lever handles are code requirement for any new or renovated work.

CA3. An accessible rest room should be provided for public use. Restroom should include toilet with grab bars and lavatory.



Entrance



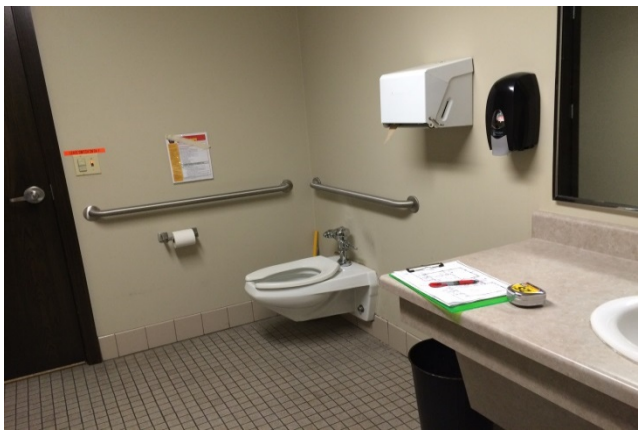
Obstructed Egress



Various Door Hardware



Kitchen



Women's Room



Public Men's Room



Women's Room



Shower Room

STRUCTURAL SYSTEM

Summary

The structure is a frame of glued-laminated wood beams and columns with tongue-and-groove wood roof decking.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1968 (Nichols and Barone)
Structure Type				
Foundations	**C**			Cast-in-place concrete foundation and/or basement walls bearing on individual spread or continuous strip footings.
Basement	**C**			Under the southeast corner of the building only. Floor is a 4" concrete slab on grade with 6x6 - 10/10 welded wire mesh reinforcing.
1st Floor	**C**			a. Southeast area over basement is 10" precast concrete plank with 2" concrete topping over concrete beams. b. Remaining work/living quarter's areas are a 4" concrete slab on grade with 6x6 - 10/10 welded wire mesh reinforcing. c. Apparatus garage is a 6" concrete slab on grade with 6x6-8/8 wire mesh reinforcing.
Roof	**C**			7" wide x varying depth glued-laminated wood beams with 2 ½" thick tongue-and-groove wood decking supported by 7"x11 3/8" glued-laminated wood columns.
Occupancy Category	**NA**			Occupancy Category IV
Construction Type	**NA**			Construction Type **II-A** (1-hour beams & columns, 2-hour floor slab, 1-hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			N/A
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

PLUMBING SYSTEMS

Summary

Fire Station #6 was constructed in 1968. Toilet room renovations occurred in 2007 and 2013. The original piping is in fair condition; it could be replaced as needed when issues arise. Insulation could be added to the older hot water piping for energy savings. A thermal mixing valve (TMV) and hot water recirculation pump (and piping) should be added to the system. Hot water temperature to the Public Toilet rooms **exceeded 145° Fahrenheit**, major scalding potential. These are code issues which should be corrected.

Another code issue is the storage of oxygen and air cylinders. The oxygen and air cylinders should be stored in a 1-hour fire rated room.

Plumbing fixtures in the original Men's toilet room could be updated to conserve water. Fixtures in the Women's 2007 toilet room are newer and are set up to be accessible. Unisex shower installed in 2013. Building utilities in general appear adequate.

This building is not equipped with an automatic fire sprinkler system. However the exhaust hood in the kitchen should have an Ansul (or equal) kitchen suppression system installed.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	PVC & cast iron
Storm/Clearwater Piping	F		P3	Cast iron
Valves	F		P4	Gate & ball
Domestic Water Service	C		P5	2" main with 3-valve bypass
Insulation	HP	$5,000	P6	Fiberglass & elastomeric. Asbestos-1968
Code Issues	D		P7	Hot water temp., cylinder storage
Equipment				
Domestic Water Heater(s)	F		P8	Installed in 1994 and 2014
Drench shower station	NA			
Recirculation Pump(s)	D	$6,000	P19	Add pump (code issue)
Water Softener	NA			No water softener installed
Thermal Mixing Valve (TMV)	D	$6,000	P10	Add TMV (code issue)
Grease Interceptor	NA			No grease interceptor required.
Kitchen Equipment	F		P11	
Plumbing Fixtures	F		P12	

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Oxygen Storage	D	See Arch	P13	Oxygen and air cylinders; See Architectural Summary report
Backflow Prevention	C		P14	1 ½" hose connection
"Shop" air compressor	NA			
Laundry equipment	F		P15	
Clearwater sump/pump	F		P16	
Ambulance/Truck Garage	F		P17	Trench drain, oil interceptor
Exterior				
Storm Drainage	F		P18	Catch basin
Lawn Irrigation	NA			
Utilities	F		P19	

NOTES:

P1. Water piping is copper, soldered joints. Fair condition.

P2. Original sanitary is cast iron. Some PVC piping in the basement area.

P3. No storm piping. Roof pitches to the north and south. Higher roof dumps on the lower roof. There are sections of gutter above building entrances.

P4. Older valves are gate, newer valves are ball.

P5. Building is served by a 2" water main. 2" water meter with 3-valved by-pass in the south basement.

P6. Insulation is missing at the water heater. Some elastomeric insulation has been added to piping. Older original 1968 insulation probably contains asbestos and will require abatement. Asbestos abatement by owner – TBD.

P7. Code issues: north water temperature is set at 117° Fahrenheit, maximum temperature to be 110° Fahrenheit. South water heater temperature **exceeded 145° Fahrenheit**. (This water heater serves the laundry, but also serves the public toilets which are used by the people in Fireman's' Park). No thermal mixing valve (TMV) at the heater. Add TMV per code. No recirculating pump at heater. Add recirculating pump, hot water piping length exceeds 100'-0" per code. Oxygen and air cylinders should be stored in a 1-hour fire rated room.

P8. North water heater is gas fired, AO Smith, Model FCG 75 300, 75gallon, 75,000 BTU. Installed in 2014. South water heater is an AO Smith Model BT 100 230, 76 gallon, 76,000 BTU. Both units are gas fired and direct vented to exterior. Hot water connection at heater is 1".

P9. Install hot water recirculation pumps. Length of hot water piping exceeds 100'-0" per code. Hot water to kitchen sink and toilet rooms was excessive.

P10. Add TMV to water heaters or public lavatories. Set hot water temperature to 110° Fahrenheit. Code issue.

P11. Kitchen equipment: 2 compartment sink with garbage disposal. No dishwasher.

P12. Plumbing fixtures: Men's and Women's public toilet rooms – wall hung WC, Sloan Royal flush valve 3.5 gpf 16" aff. Lavatory – wall hung with metering faucet, rim 34" aff. Urinal, floor mounted with Sloan Regal flush valve. Lavatories are ADA-compliant, WC's are not compliant. Women's toilet room (2007) ADA. WC is wall hung with flush valve at 18" aff. Lavatory in countertop, rim at 34" aff. Single stall ADA shower with Powers shower valve. Newer (2013) Unisex built-up shower has Power shower valve. Single unit EWC-spout at 40" aff. Men's original toilet room has newer tank-type WC's, 1.6 gpf, rim at 16" aff. Lavatories in countertop rim at 16" aff. Urinals are floor mounted with flush valve. Built-up shower with Moen shower valve. Janitors' curb has a vacuum breaker on spout.

P13. Small air cylinders are stored in a hallway, oxygen in the garage – both should be stored in a 1-hour rated room. Code issue.

P14. 1 ½" hose connection in the ambulance garage has a Watts 188A atmospheric vacuum breaker.

P15. Milnor commercial laundry unit – gear Guardian 8. Hot water temperature at 145° Fahrenheit.

P16. Sump and top mounted Weil pump in the basement. Check valve installed in pump discharge. Floor drain in the basement drains into this pit. Sump/pump discharges to the basement sanitary sewer. No high water alarm installed.

P17. Ambulance garage: trench drains and a garage catch basin installed.

P18. East parking lot pitches to a storm catch basin. West parking lot pitches to West Mason Street. Roof discharges to grade with downspouts.

P19. Building is served by a 2" water main from West Mason Street. 4" sanitary discharges to West Mason Street. West parking lot site pitches to an east ditch along the property line.



Water & Sanitary Piping – Boiler Room



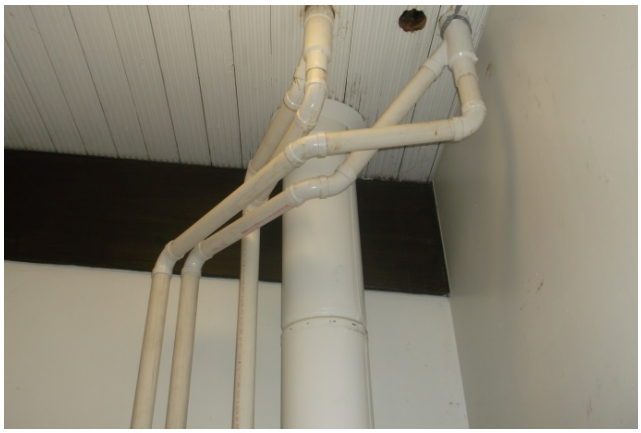
Gate Valve – Water Piping



Water Piping – Insulated



Water & Sanitary Piping Serving Newer Toilet Room



Boiler Breeching & Vent Piping



Water Service, Water Meter with By-pass



Commercial Laundry Unit - Garage



Water Heater – South Side



Water Heater – South Side



Kitchen – Double Sink



Sump Pit & Pump



Men's Public Toilet Room



Men's Public Toilet Room



Urinals – Men's



Urinals – Men's



Lavatories – Men's



Tank-type WC in Men's



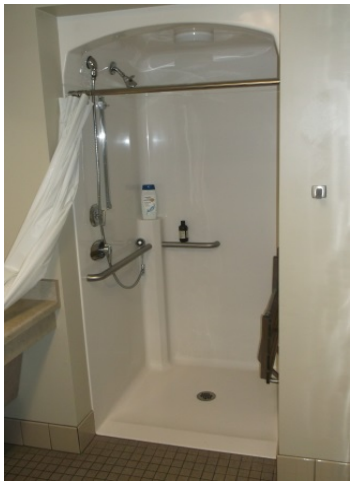
Shower – Men's



WC – Women's (Newer ADA Toilet Room)



Lavatory – Women's (Newer ADA Toilet Room)



Women's Shower -ADA



Built-up Shower



Cylinder Filling Station



Empty Tank Storage



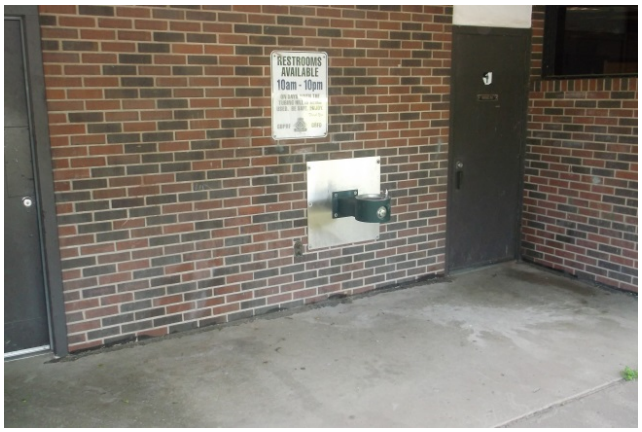
Cylinder Storage



Cylinder Storage - Garage



Trench Drain in Garage



Water Cooler – Southside of Building (Park)



Gutter & Downspouts



Gutter & Downspouts



Gutter & Downspouts



Water Heater – North Side



Water Heater – North Side

HVAC SYSTEMS

Summary

The facility is split into three areas, the apparatus room/storage, a sleeping/dining area, and a TV/meeting area. There are two toilet rooms which are used by the public in the winter and the parks department in the summer. The meeting area is also used by the parks department in the summer. The majority of the HVAC systems have been upgraded over the years. The underground ductwork serving the sleeping areas has been abandoned. The original ductwork serving the TV/meeting area appears to be original to the facility.

The sleeping/dining area is served by a packaged roof top air unit with gas fired heat. The air unit system provides either heated or cooled air to the living quarters as required to maintain space temperature. The unit is controlled by two thermostats, one located in the dining room and one located in the sleeping room. Control is low voltage electric.

The TV room area and basement work out area is served by a residential style furnace with split system DX air conditioning. The meeting room area is served by a residential style furnace. Control is low voltage electric.

Residential style humidifiers are located in the facilities sleeping rooms.

Toilet/shower rooms located adjacent to the sleeping room are ventilated by a power roof ventilator fan. The Women's toilet located adjacent to the TV room is ventilated with a ceiling exhaust fan. The public toilet rooms are served by a roof mounted exhaust fan which draws air through the abandoned ceiling fans within each room.

The kitchen ventilation hood is served by a roof mounted exhaust fan. The fan discharges approximately 22" above the roof. The kitchen hood appears to be a type 1 hood, with a horizontal grease filter. A stove with side griddle is located beneath the hood.

A truck exhaust system (PlymoVent) is connected to each truck and utilized to capture and expel exhaust fumes as trucks leave the building. The original room exhaust and make-up air fans have been removed. Gas fired unit heaters provide this room with heat.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air Unit			**H1**	Installed 2014. Trane roof top packaged YSC series, 6 ton cooling with gas heat.
Housing	**C**			
Air intake	**C**			
Condenser Fins	**C**			
Fan	**C**			2400 CFM, 1 HP
Filters	**C**			30% filters
Controls	**HP**	$20,000		Two thermostats for averaging temp.
Ductwork	**C**			
Insulation	**C**			
Humidity	**HP**	$1,000	**H1**	Residential type unit. Manually filled. Humidification is not a code requirement.
Residential Style Furnaces			**H2**	Guardian 80,000 BTUH, 79,000 BTUH output Goodman 80,000 BTUH (approx.)
Housing	**C**			
Air intake	**CP**	$1,500	**H2**	Outside air damper is wide open, does not appear to be balanced.
Condenser Fins	**C**			
Fan	**C**			
Filters	**C**			1" filter
Controls	**CP**	$3,000	**H2**	Single zone, low voltage.
Ductwork	**D**	$8,000	**H2**	Duct in workout room is located over electrical panels. One grille is blocked off.
Insulation	**C**			
Humidity	**HP**	$2,000	**H2**	Residential type unit. Manually filled. Humidification is not a code requirement.
Exhaust Fans				
Men's Room Exhaust	**C**		**H3**	Power roof ventilator
Women's Room Exhaust	**C**		**H3**	Ceiling exhaust fan
Public Toilet Rooms	**HP**	$1,000	**H3**	Power roof ventilator, abandoned ceiling fans. Cords sticking out of the fans.
Ductwork	**C**			

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Kitchen Hood, Fan and Ductwork	HP	$25,000	H4	Type 1 hood. Roof mounted fan exhausts too close to roof. Fan near roof edge. Galvanized ductwork. Horizontal grease filter.
Building Ventilation	HP	$3,000	H5	Door grilles are open or blanked off with card board between living space and garage.
Garage Ventilation			H6	
Make-up Air Unit	D	$110,000	H6	No make-up or exhaust. Gas fired heaters for room heat only.
Truck Exhaust	C			PlymoVent.
Dryer Exhaust	D	$500	H7	Terminates inside.

NOTES:

H1. The air unit is one year old. Expected useful life is 20 years. The unit has a master zone terminal to set the unit to heating or cooling mode. The air unit is a single-zone system using two thermostats to control the air unit temperature. There has been some dissatisfaction with the single zone, two thermostat averaging control approach as the unit serves 5 zones (including lockers, sleeping, office, and dining areas). The city has previously investigated an option to install regulating dampers to provide zone control. These would be dampers similar to those at other facilities. Those facilities have additional difficulties with manual radiation control, this facility does not. Damper regulation will improve thermal comfort, however additional thermal comfort can be achieved by installing reheat coils (electric), on each zone damper.

A portable residential style humidifier is located in the sleeping room. This indicates that the occupants are attempting to regulate the building humidity to improve their comfort. These units will actually improve humidity only slightly, but may have a greater psychological effect. This is because the air unit will introduce a greater amount of dry outside air than these units can properly humidify. To humidify this building, it is recommended to install an electric or gas fired humidifier that is sized to serve the entire building.

H2. A residential style furnace serves the TV room and another serves the meeting room areas. The unit's ages could not be verified from an initial inspection but appeared to be in good physical condition. This type of unit will have an expected useful life of 20 years. Each unit is controlled from a single thermostat. The TV room unit also serves the basement workout area, which causes this area to over cool. One grille has been blocked off with a bundled up cloth. The lower level would benefit from the installation of a zone damper and thermostat to control its space temperature separate from the upstairs TV room.

There is an outside air connection to each furnace. The balancing dampers appear to be fully open on the units. It is recommended to balance the outside air quantities so the rooms receive adequate outside air ventilation, without over ventilating and wasting energy.

The furnaces are sealed combustion. The vents rise up through a storage room adjacent to the water heater vent. These vents should be concealed within a rated chase to maintain a fire rating from the basement to the roof. A rated enclosure is recommended.

Electrical gear/panels have been installed beneath the ductwork in the workout room. Code requires the space above the panels be kept clear to structure above. It is recommended that the ductwork be shifted away from the exterior wall and electrical panels.

A dehumidifier is located in the work-out room. Basements generally get cool, clammy, and have a high relative humidity. A separate thermal zone arrangement as indicated above will help control the space temperature and humidity to allow the occupants to feel more comfortable when occupying the space. The dehumidifier could then be relocated into the storage room where dehumidification will still be necessary.

The occupants have installed residential style humidifiers in the TV area as well. It is recommended to install a humidifier, matched to each residential furnace. This will control humidity throughout the occupied area and improve overall comfort.

H3. The power roof ventilator serves the Men's shower/toilet room. The Women's toilet/shower is served by a ceiling fan which is manually controlled. Public toilets are served by a roof mounted fan ducted to the abandoned ceiling grilles. The cords are sticking out of these fans. It is recommended to replace the public toilet fans with ceiling grilles.

H4. The kitchen hood appears to be an older type 1 hood. For stove top appliances, where grease vapors may be exhausted, a type 1 hood is required. The ductwork is galvanized and not sealed liquid tight. The grease filter is placed horizontally in the vent discharge. This position is inadequate as grease can drip from the filter into the food product being prepared on the stove top. The fan is located too close to the roof and the roof edge. It is recommended to install a type 1 hood equipped with a fire suppression system and vented with approved liquid tight ductwork and a new rated exhaust fan.

H5. The living spaces are to be positively pressurized in relation to the garage. The initial appearance is the spaces are positive to neutral, however, the doors between the living space and the garage contain door grilles, which allows the free transfer of air between spaces. Most of these grilles are blocked with cardboard. It is recommended to blank-off the louvers with a more permanent material or replace the doors to maintain the separation.

H6. A PlymoVent exhaust system is connected to each truck parked in the garage. This system operates whenever a truck is started and the vehicle exhaust is expelled from the garage. The fan is mounted on the roof. The garage is heated with (2) gas fired unit heaters.

An enclosed garage has specific exhaust code requirements and the garage is required to have a negative pressure in relation to the living quarters. A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. The PlymoVent truck exhaust system alone does not meet the ventilation requirements for an enclosed garage. A garage exhaust fan upgrade project to install new make-up fan, radiant heaters, exhaust fan and control systems is necessary to improve garage ventilation and occupant safety.

H7. A laundry dryer is located in the apparatus garage. The dryer terminates inside the room. This termination allows warm, moist air to be vented directly into the garage. It is recommended to vent this unit to the outside.



Roof Top Air Unit Connections



Roof Exhaust Fan (Typical)



Public Toilet Ceiling Mount Fan (Typical)



Kitchen Exhaust Fan



Kitchen Hood (Inside View)



Furnace (Typical)



Furnace (Return Duct)



Condensing Unit



Supply/Return Grilles



Blanked Off Door Grille



Home Humidifier in Sleeping Room (Typical)



Dehumidifier (Basement)



Garage Heater (Typical)



Boot Dryer Vented to Old Exhaust Vent



Ceiling Fan (Women's Toilet)



Condensing Unit



Furnace Thermostat (AHU Similar)



PlymoVent Fan, Toilet Exhaust Fan



Duct Over Electrical Gear



Combustion Vents



Basement Grille (Blanked Off)



Laundry Vent

ELECTRICAL SYSTEMS

Summary

The building is served by a 400 Amp, 120/208 Volt, three phase electrical service. The panels are in good condition, and have capacity for the future. The emergency generator serving the building is in fair condition. The emergency system is fed from a single transfer switch and panel board. The equipment is in good condition and has some future capacity.

An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads. Exercise equipment is currently inhibiting the code required 3-feet for electrical clearance. HVAC ductwork is also currently inhibiting the code required working clear space above the electrical equipment.

The outlets within the garage and exterior mounted outlets are not GFCI protected. Exterior outlet covers are also not all weatherproof while-in-use. Lighting fixtures are in good to fair condition and utilize T8 lamps and ballasts, incandescent and compact fluorescent lamps. There are several fixtures with broken or missing lenses. These should be replaced or repaired. There are occupancy sensors located in the toilet rooms, but the facility should also install occupancy sensors in offices, conference rooms/classroom, storage rooms and janitor's closets. HID building mounted fixtures are in fair condition; consideration should be given to replacing with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition and the facility is pulling Cat 5e and Cat 5 data and voice cabling and coax for CATV. The fire alarm system includes stand-alone smoke detectors and carbon monoxide detectors throughout the building which are in good condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Electrical Service				
Utility Service Entrance	C			400 Amp underground electrical utility service enters the building in the basement storage room.
Normal Power Distribution Equipment				
Enclosed Circuit Breaker and Wireway	C		E1	400 Amp enclosed circuit breaker feeds a wireway that is tapped to feed panels and equipment, in good condition.
Disconnects	C		E1	Disconnects fed from the wireway feed panels and HVAC equipment, in good condition.
Branch Panels	C		E1	Three Cutler Hammer panels on 1st floor and one Square D load center in the basement – with future capacity.
Emergency Power Distribution Equipment				

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Generator	F			80 KW Cummins Onan Quiet Site II with sub-base fuel tank in fair condition.
Transfer Switch	HP	$5,000	E1, E2	Cummins Onan 400 Amp ATS in good condition.
Disconnect Switch	C		E1	200 Amp Square D disconnect on incoming generator feed to the ATS in the storage room in good condition.
Branch Panel	HP	$10,000	E2	200 Amp Cutler Hammer load center in good condition and with future capacity. Mixed loads.
Power				
Receptacles	D	$1,000	E3	Garage, kitchen, and exterior outlets need to be GFCI. Provide weatherproof while-in-use covers for all exterior outlets.
Lighting				
Garage	C			Industrial fixtures with T-8 lamps in good condition.
Office spaces, conference rooms, and corridors	F	$2,000	E4	Recessed acrylic lens troffers and surface mounted wrap-around with T-8 lamps, incandescent downlights and pendants in fair condition.
Sleep Rooms and Toilet Rooms	F	$2,000	E4	Surface mounted wrap-around some fixtures have broken lenses, others are in good condition.
Mechanical spaces, storage rooms, utility areas	F	$2,000	E4	Ceramic lamp holders with screw-in CF lamps, industrial strips with T-8 lamps, in fair condition.
Exterior	F	$5,000	E5	HID wall packs in fair condition.
Lighting Controls				
Conference or Meeting Rooms	HP	$1,000	E6	Add occupancy sensors
Offices	HP	$1,000	E6	Add occupancy sensors
Toilet Rooms/ Small Storage Rooms	F	$500	E6	Toilet rooms have occupancy sensors in good condition; add sensors in janitor and storage rooms.
Emergency Egress Lighting and Exit Signs				
Corridors	C			Fixtures connected to emergency panel.
Exit Signs	F			LED type in good to fair condition.

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Fire Alarm Devices				
Smoke Detectors	C	$200		A few stand-alone smoke detectors and carbon monoxide detectors throughout the building.
Telecommunications				
Data/Voice	C			Cat 5 and Cat 5e cabling
CATV	C			Coax

NOTES:

E1. Code required 3-feet for electrical clearance and clear space above the equipment is not being maintained.

E2. Recommend providing an additional automatic transfer switch and panel board to separate the critical and equipment branch loads onto a new panel and leave the existing panel with the life safety loads.

E3. Replace all outlets located in the garage area and exterior outlets with GFCI type device. Add weatherproof while-in-use covers on exterior outlets. Replace existing kitchen outlets with GFCI type device, unless they are currently protected from the adjacent GFCI outlet. If this is the case, the outlet should be labeled per NEC requirements.

E4. Consideration should be given to replacing older fixtures with new. Replacement or repair should be done on fixtures with broken or missing lenses. Utilize compact fluorescent or LED lamps in lieu of incandescent.

E5. Consider replacing HID fixtures with more efficient LED in the future.

E6. Occupancy sensors should be installed in the meeting room, classroom, offices, storage rooms, and janitors closet to provide additional energy savings. If areas are renovated, controls will be required to be updated to meet current energy code.



Telephone Service Equipment



Main Electrical Service Equipment



Fiber Service Entrance and Data Rack



Feeder Wire Way and Disconnects



Generator



Emergency Feeder Disconnect and 400A ATS



Existing Panel A



Existing Panel B



Existing Panel C



Existing Panel D



Generator Alarm Panel



Classroom Lighting



Pendant Lighting



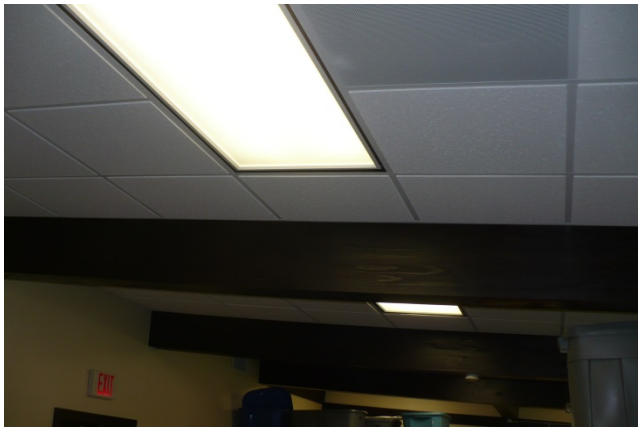
Exterior Outlet



Garage Outlets and Door Controllers



Exit Sign



Sleeping Room Lighting



Dining Room Lighting



Exterior Wall Packs



Garage Lighting



Stand-Alone Smoke Detector



Hallway Lighting

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EVALUATION

OF

CITY-OWNED FACILITITES

FIRE STATION #7

August, 2015

FIRE DEPARTMENT

SUMMARY

Date of Visit: June 3, 2015
Address: 3489 Humboldt Road

Building Description

Built in 1981, Station #7 is comprised of two rectangular forms; the two-bay apparatus room and the lower height office/residential wing. Both wings have flat roofs. The east side and half of the north end of the office/residential wing are burmed several feet into the ground. A partial basement is accessed from one stair on the interior and one stair open to the environment on the exterior, west of the office/residential wing. The open stair collects leaves and debris at the bottom.

Existing exterior wall is combination of face brick and an Exterior Finish Insulation System (EFIS). The south wall of the apparatus room incudes a disconnected solar heating panel system and conceals a concrete block trombe wall.

Tuck-pointing is required at the mortar joints below the east windows. The EFIS, in areas, is damaged. Foam-in-place insulation is prevalent at areas along the perimeter of the roof.

Most interior finishes are in acceptable condition. There has been some tile damage in the Men's room. Basement has residential grade stick-on floor tile. Plastic laminate casework has some minor chipping. Solid surface counters at toilet room lavatories are in good condition.

Code/Accessibility

No enclosure of the stair is provided or required, since it only connects 2 floors. Guard rails at the side of the exterior stair access to basement have greater than 6" openings. Due to the significant height differential, and unsecured exterior access, it is recommended that the openings be minimized to 4 3/8" maximum (at guards), to comply with current code.

Most rooms provide enough clear floor space to offer a turning radius in the room. Exceptions would be the area leading to each of the showers and locker areas, which is approximately 3'-0" wide, and the kitchen, with 4'-0" between casework. Knob hardware on doors is recommended to be replaced. Doors into toilet rooms are not wide enough to provide accessibility. Providing one accessible toilet in the building is recommended.

Structural System

The structure consists of steel roof deck and open web steel roof joists on load-bearing masonry walls and includes a partial basement. There is some minor cracking in the masonry walls at various locations in the building. Recommend tuck-pointing of approximately three courses of brick under the long windows on the north and east walls of the building.

Plumbing Systems

The original piping is in fair condition. Insulation could be added to the hot water piping for energy savings. A thermal mixing valve (TMV) and hot water recirculation pump (and piping) should be added to the system. The oxygen cylinders should be stored in a 1-hour fire rated room – not in the garage. The exhaust hood in the kitchen should have an Ansul (or equal) kitchen suppression system installed.

HVAC Systems

The living quarters is served by a modular air unit, which utilizes split system DX cooling to condition the air. Wall mounted fin tube radiation is utilized to regulate space temperatures. Kitchen and toilet rooms are served by systems on the roof.

One basement storage room has ventilation; a workshop and other storage room have none. A return grille in the work-out room indicates supply air is delivered upstairs and pulled through the open stair into the work-out room, then returned to the air unit.

A hot water boiler was replaced in 2011. It provides hot water to fin tube radiation (living quarters), convector units (locker/toilet rooms) and cabinet heater (vestibule).

The apparatus room was originally ventilated by (2) exhaust fans and (2) make-up air units which utilized solar wall technology to provide some energy efficiency in the rooms' heating requirements. The solar unit is now abandoned. A truck exhaust system (PlymoVent) is connected to each truck and utilized to capture and expel exhaust fumes as trucks leave during fire calls.

Electrical Systems

The building is served by a 400 Amp, 120/240 Volt, single phase electrical service. The panels are in fair condition, but have no capacity for the future. The emergency generator serving the building is in fair condition. The emergency system is in fair condition and has some future capacity. An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads. Some fixtures and outlets are in need of repairs and updates.

The server equipment is in good condition. The facility is pulling Cat 5e and Cat 5 data and voice cabling and coax for CATV. The fire alarm system includes stand-alone smoke detectors and carbon monoxide detectors throughout the building which are in good condition.

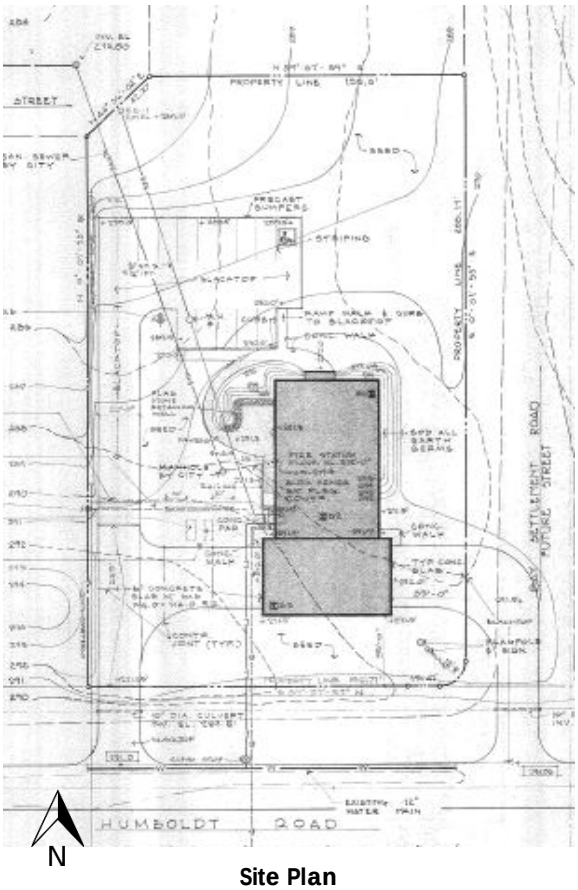
Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural	Oxygen Tank Storage			**$15,000**
Code/ADA			Handrails/Guardrails	**$8,000-$10,000**
			Grab Bars at Fixtures	**$1,000**
Code Subtotal				**$9,000-$11,000**
Structural			Masonry Bearing Walls	**$3,000**
Fire Protection				**NA**
Plumbing			Insulation	**$10,000**
	Recirculation Pump(s)			**$6,000**
	Thermal Mixing Valve (TMV)			**$6,000**
Plumbing Subtotal				**$22,000**
HVAC Systems			Housing	**$40,000**
			Humidity	**$10,000**
	Occupied Space			**$10,000**

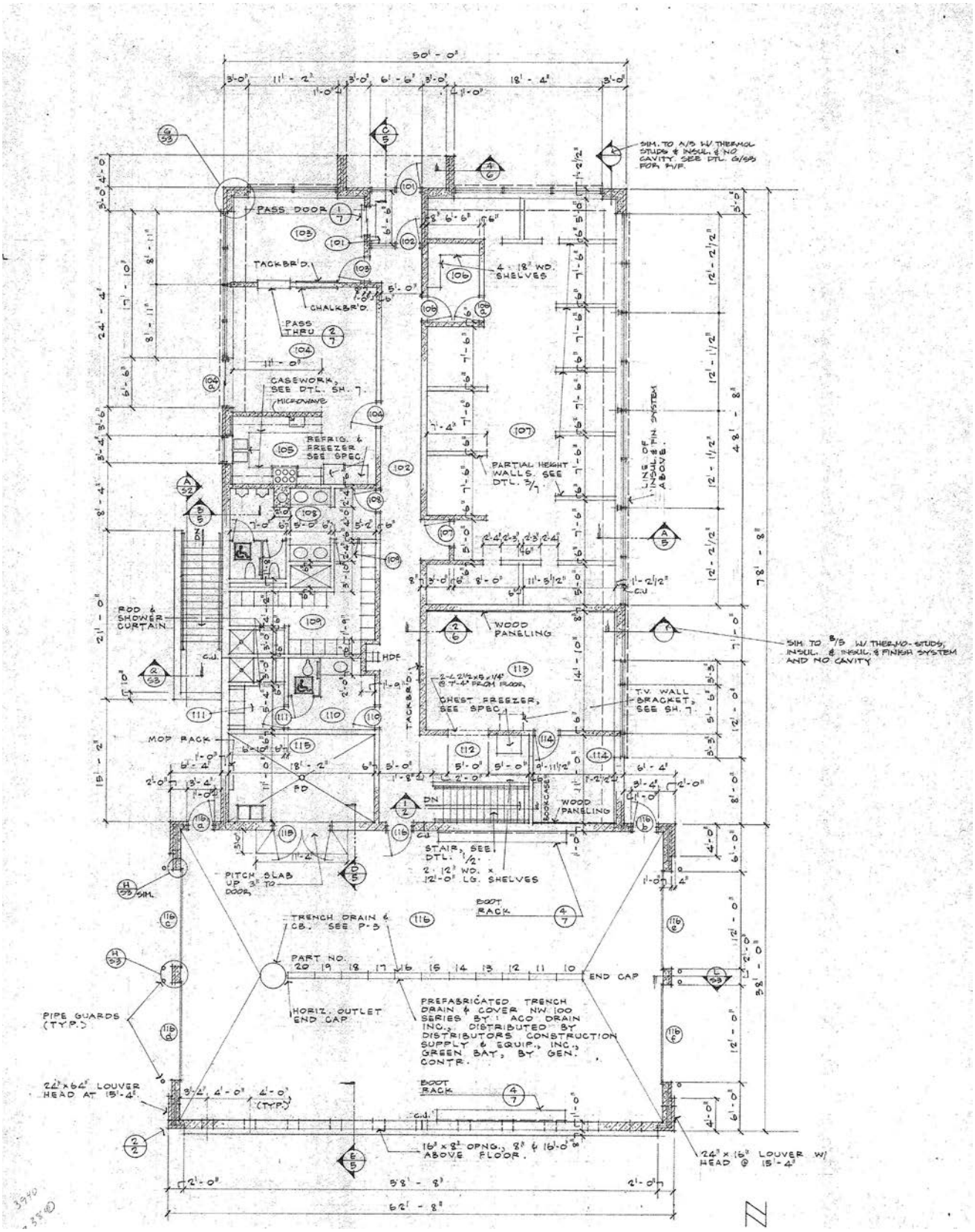
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
	Ventilation (Basement)			
			Occupied Space Thermal Comfort	**$20,000**
			Exhaust Ductwork	**$4,000**
			Kitchen Hood, Fan and Ductwork	**$10,000**
	Piping			**$4,000**
	Mechanical Room Ventilation			**$500**
	Exhaust			**$60,000**
			Control	**$10,000**
HVAC Subtotal				**$168,500**
Electrical			Transfer Switch	**$5,000**
			Branch Panel	**$10,000**
	Receptacles			**$1,000**
			Offices	**$1,000**
Electrical Subtotal				**$17,000**
Building Total				**$236,000-$238,000**



Site Plan



Aerial View of Site



Basement Plan
(Not to scale)

ARCHITECTURAL

Building Description

Built in 1981, Station #7 is comprised of two rectangular forms; the two-bay apparatus room and the lower height office/residential wing. Both wings have flat roofs. The east side and half of the north end of the office/residential wing are burmed several feet into the ground.

A partial basement is accessed from one stair on the interior and one stair open to the environment on the exterior, west of the office/residential wing. The open stair collects leaves and debris at the bottom. A louver from the mechanical room into the exterior stair shaft creates uncomfortable vibration within the shaft. The basement includes work-out and recreation room, storage, shop and mechanical rooms.

The main level includes a public entry from the north, next to the only office in the building. Dining and kitchen include windows and a sliding patio door to the west. Also on the west are Men's and Women's restrooms, locker rooms and mechanical room. The east side includes a lounge, study and dormitory. A laundry and storage room is accessed from the apparatus bays.

Building Envelope

Exterior walls

Existing exterior wall is combination of face brick and an Exterior Finish Insulation System (EFIS). The south wall of the apparatus room incudes a disconnected solar heating panel system and conceals a concrete block trombe wall. The conceptual intent of the trombe wall is the energy and heat of southern, solar sunlight is absorbed throughout the day by a combination of vented air space and material thermal mass – and that energy is released into the building at night to reduce loads required by a mechanical heating system. The solar panels are very 'oil canned' and showing their age.

The typical wall construction is comprised of 4" modular face brick, 2" cellulous insulation and 6" concrete block. There are areas of uninsulated masonry wall. The EFIS system is typically backed with structural studs and batt insulation.

The east and west elevations include an earth berm and planter at the northwest corner. The retaining wall of the planter is built of stacked flag stone. The perimeter insulation appeared separated from the building along the north wall of the planter.

The apparatus room includes some subtle brick detailing at the openings. The public entry sequence is sheltered with a poured-in-place concrete cap. There is exterior basement access along the west elevation.

Tuck pointing is required at the mortar joints below the east windows. The EFIS, in areas, is damaged. Foam-in-place insulation is prevalent at areas along the perimeter of the roof.

Windows

Bronze, aluminum windows throughout appear original to the building and in good working order.

Sealants at perimeter of fenestrations appear generally in good condition. Annual inspection for ruptures, tears and cracking should be continued.

Roof

The living quarters and the apparatus room's existing roofing is a fully adhered EPDM membrane, installed approximately 2007. Leaks and repair reported around (1) of the two roof drains; no further issues have been reported.

Typical penetrations noted: vent pipes, antennas, various mechanical.
One roof drain screen was clogged with debris. Regular inspection and cleaning recommended.

Interior Finishes

Floors

The basement workout and recreation room has a residential grade stick-on composite tile floor. Storage, shop and mechanical areas are sealed concrete.

The locker and bathrooms have 2x2 ceramic tile floors with glazed sanitary cove base. There is some damage and attempt at repair under one of the Men's room urinals. Corridors, office, kitchen, dining and closets on first floor have commercial grade composite tile. Stairs have rubber tread-and-risers. Lounge, study and dormitory are carpeted.

Walls

All walls are painted concrete, with the exception of the lounge and study, which each have one wall of wood paneling. The basement shop room is also wood panel covered on its interior walls. The showers are plastic stall units.

Doors

Overhead sectional doors are insulated, seven-panel doors with four lights. Operators are in good working order.

Interior doors are flush, oak veneer, some with 6" x 30" lights. Exterior doors and mechanical room doors are painted metal. Both sides of public entry vestibule are dark bronze aluminum with full side light.

Ceilings

The majority of ceilings are 2'x2' lay-in acoustic tile. Gypsum board soffits are used at casework locations. Open basement, apparatus and mezzanine areas are exposed structure.

Casework

Casework at kitchen is plastic laminate at tops. There is minor chipping. The cases are flat-panel oak veneer construction. There is chipping at some doors. Wood grain plastic laminate is used at the reception window between vestibule and station office. Toilet partitions are painted metal, some wear evident. Lavatory counters at toilet rooms are solid surface material, in good condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	C			
Exterior Facade Condition	F	$5,000	A1	
Exterior Door Condition	C			
Window Condition	C			
Foam-in-Place Insulation	F	Minimal		Should be cleaned
Flooring	F	$500	A2	
Walls	C			
Doors	C			
Ceilings	F		A5	
Casework	F		A3/A4	

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Oxygen Tank Storage	D	$15,000		One hour rated room required

NOTES:

A1. Repairs at EFIS; Tuck-pointing at east elevation.

A2. Minor tile and base repair needed at Men's room below urinal.

A3. Kitchen casework will need replacement at some point, but not critical.

A4. Toilet partitions could be repainted.

A5. Most ceiling tile appears to be sagging at the center. No action needed at this time.



South Elevation



North and East Elevations



West Apparatus Elevation



West and North Elevations



Exterior Stair



Overhead Door



Entry Vestibule



Typical Door



Lounge



Study



Women's Room



Men's Room



Kitchen



Wall at Dining



Apparatus Bays



Work-out and Recreation Room



Dormitory



Individual Dorm Space

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1981	**Gross Area**	1st floor: 6,550 SF B: 1,910 SF
Occupancy Classification *(Chapter 3 of IBC)*	**S-1** Moderate-hazard Storage non-separated from **B** Business and **R-3** residential		
Construction Type *(Chapter 6 IBC)*	Construction Type II-B		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

The Wisconsin building code at the time of construction (1981) would have placed this building in the Wisconsin Commercial Code Chapter 54 Business. Its class of construction would likely have been Fire Resistive Type B, which is similar to IBC Type II-B.

The current IBC does not specify fire stations as being Business occupancy, therefore the building occupancy may be determined more by usage of space. For Fire Station #7, the basement is non-separated S-1 Storage and B-Business. 1st floor is non-separated B-Business, S-1 Storage and R-3 residential, based on the definition of congregate living facilities as those where residents share bathroom and/or kitchen facilities.

Stair Shafts

The only interior stair shaft connects basement and first floors. No enclosure of the stair is provided or required, since it only connects 2 floors.

Handrails and Guardrails

The existing handrails at interior and exterior stairs are approximately 34" and 35 ½" above the toe of the stairs respectively, which complies with current code. Handrail extensions do not comply with current code, in that they do not continue past the bottom tread, and they do not return to the wall in some cases. They are presumed to be compliant with the code under which they were built, and thus grandfathered in as compliant.

Guard rails at the side of the exterior stair access to basement have greater than 6" openings. Due to the significant height differential, and unsecured exterior access, it is recommended that the openings be minimized to 4 3/8" maximum (at guards), to comply with current code.

Summary of Accessibility/ADA Compliance

The following summary of accessibility is provided for owner reference, with the acknowledgement that persons using this building can only do their job if they do not have accessibility needs. That said, certain upgrades, such as lever door handles, could be done that would make operation easier and quicker. In addition, tours provided of various public facilities such as this would be well served to provide accessibility to the extent feasible. As noted above, accessibility may be mandated by code based on the extent of renovation work being done.

Accessible Route
Entry to the building for fire fighters/employees is at-grade (accessible) at the west side of the building, directly from the parking lot, and from the apparatus bay. See below for notes regarding toilet room access on 1st floor. There is no elevator to the basement, but as stated above, those who use the facility will not be in need of such accessibility.

Most rooms provide enough clear floor space to offer a turning radius in the room. Exceptions would be the area leading to each of the showers and locker areas, which is approximately 3'-0" wide, and the kitchen, with 4'-0" between casework.

A transaction counter at the entry vestibule is at 42 ½" high, well above the accessible height of 34". As the public may interact with the staff at this location, making the vestibule and counter accessible should be a priority.

Doors
Doors have either knob hardware or push/pull plates. Knobs comply with neither accessibility requirements nor code, because of the need to grasp and twist in order to operate them. Lever handles provide better ease and speed of use.

The clear opening width at doors is currently required to be 32" for minimum accessibility. Several doors, including those into the toilet rooms, are only 32" wide, which provides approximately 29" of clear space to enter. The aluminum front entry doors barely comply by providing just over 32" clear between stop and face of door.

Plumbing Fixtures
The original plans for the facility indicate an accessible toilet in both the Men's and Women's rooms. As the construction of this building pre-dated the ADA, neither the rooms nor the toilet stalls comply with current accessibility codes in the following ways:

- Toilet stall dimensions are 4'-0" x 4'-8", which is less than the 5'-0" x 5'-0" required.
- Insufficient grab bars at toilet stalls
- No grab bars, seats, or wand shower heads at showers
- Wall-mounted urinals with rim height of 23 ½" (ADA max. is 17")

Lavatory sinks do comply with current height requirements of rim heights of 34".

The kitchen counters are at 36", which was standard at the time of construction. Current accessibility code would call for 34" rim height, even for obstructed high side reach.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

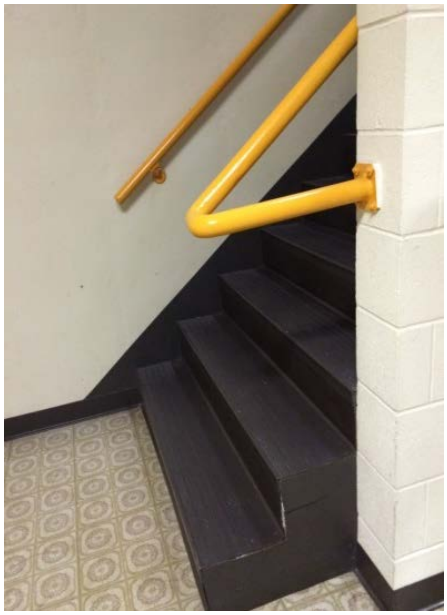
ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Code Issues				
Egress and Safety	C			
Stair Shafts	C			
Handrails/Guardrails	HP	$8,000 - $10,000	CA1	
Accessibility Issues				
Accessible Route	C / HP		CA2	
Doors	C			
Plumbing Fixtures	F		CA3	
Grab Bars at Fixtures	HP	$1,000	CA3	

NOTES:

CA1. Recommend providing code-compliant guard rails to protect rim of exterior basement stair.

CA2. Recommend modifying opening at transaction counter to provide accessible height counter.

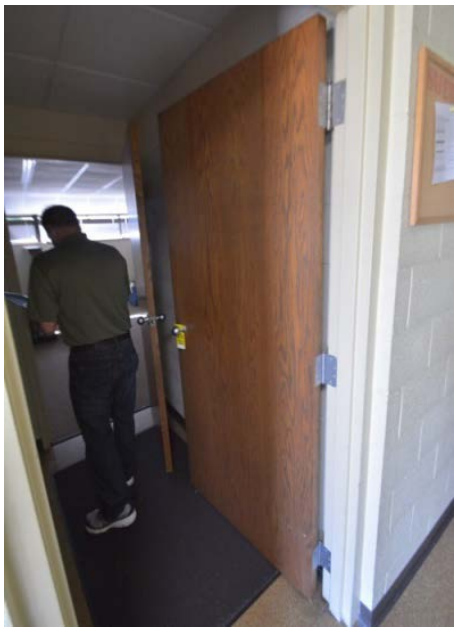
CA3. Further study is recommended to investigate the feasibility of creating one accessible toilet room. Until such a room can be created, installation of code-compliant grab bars in the existing larger toilet stalls would provide an improved accessibility situation.



Lack of Extension at Handrails



Opening Size in Guard Rail



Knob Door Hardware



Push/Pull Door Hardware



Main Entry, at Grade



High transaction counter



Entry vestibule



Kitchen (Lack of Turning Radius)



Locker and Shower Access



Lack of Grab Bars at Toilet



Urinals (Rim Height)



Shower – Non Accessible



Women's Shower – Non Accessible

STRUCTURAL SYSTEM

Summary

The structure consists of steel roof deck and open web steel roof joists on load-bearing masonry walls and includes a partial basement.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1981 (Somerville Associates)
Structure type				
Foundations	**C**			Cast-in-place concrete foundation and/or basement walls bearing on individual spread or continuous strip footings.
Basement	**C**			Under center area of building only. Floor is a 4" concrete slab on grade with 6x6 – W2.0xW2.0 welded wire mesh reinforcing.
1st Floor	**C**			a. North end is a 4" concrete slab on grade with 6x6 – W2.0xW2.0 wire mesh reinforcing. b. Area over basement is 10" precast pre-stressed concrete plank. (Only the Hose Maintenance Room includes a concrete topping.) c. Apparatus Garage floor is a 6" concrete slab on grade with 6x6 – W2.4xW2.4 welded wire mesh reinforcing.
Masonry bearing walls	**HP**	$3,000	**S1, S2**	Various assemblies of CMU, brick, and cavity walls.
Roof	**C**			1 ½" steel roof deck over open web steel joists supported by masonry bearing walls.
Occupancy Category	**NA**			Occupancy Category IV
Construction Type	**NA**			Construction Type **II-B** (1-hour exterior bearing walls, 1-hour floor slabs, 0-hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			N/A
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There is some minor cracking in the masonry walls at various locations in the building. The cracking is likely due to either slight settlement of the walls or simply volumetric changes of the masonry materials caused by temperature and moisture changes over time. This is most noticeable where two different walls (or wall types) intersect, such as in the northwest and northeast corners of the apparatus garage. This cracking is not impairing the function of the structure so there are no recommendations for remedial action at this time.

S2. Recommend tuck-pointing of approximately three courses of brick under the long windows on the north and east walls of the building.



Masonry Cracking NW Corner Apparatus Garage



Masonry Cracking NE Corner Apparatus Garage



Brick under Windows at East Wall



Brick under Windows at North Wall

PLUMBING SYSTEMS

Summary

Fire Station #7 was constructed in 1981. The original piping is in fair condition; it could be replaced as needed when issues arise. Insulation could be added to the hot water piping for energy savings. A thermal mixing valve (TMV) and hot water recirculation pump (and piping) should be added to the system. These are code issues which should be corrected.

Another code issue is the storage of oxygen cylinders. The oxygen cylinders should be stored in a 1-hour fire rated room – not in the garage.

Plumbing fixtures in the toilet rooms are older and could be updated to conserve water. Building utilities in general appear adequate.

This building is not equipped with an automatic fire sprinkler system. The exhaust hood in the kitchen should have an Ansul (or equal) kitchen suppression system installed.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	PVC & cast iron
Storm/Clearwater Piping	F		P3	Cast iron
Valves	F		P4	Gate & ball
Domestic Water Service	C		P5	4" main with 2" meter
Insulation	HP	$10,000	P6	Fiberglass
Code Issues	D		P7	Hot water, oxygen cylinders
Equipment				
Domestic Water Heater	F		P8	Installed in 2009
Drench shower station	NA			
Recirculation Pump(s)	D	$6,000	P9	Add pump (code issue)
Water Softener	NA			No water softener installed
Thermal Mixing Valve (TMV)	D	$6,000	P10	Add TMV (code issue)
Grease Interceptor	NA			No grease interceptor required.
Kitchen Equipment	F		P11	
Plumbing Fixtures	F		P12	
Oxygen Tank Storage	D	See Arch	P13	Small O2 cylinders; See Architectural Summary report

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Backflow Prevention	C		P14	1 ½" hose connection, Watts 009
"Shop" air compressor	NA			
Laundry equipment	F		P15	
Clearwater sump/pump	F		P16	
Ambulance/Truck Garage	F		P17	Trench drain, garage catch basin
Exterior				
Storm Drainage	F		P18	Catch basin –adjacent property
Lawn Irrigation	NA			
Utilities	F		P19	

NOTES:

P1. Water piping is copper, soldered joints. Fair condition.

P2. Original sanitary is cast iron. Some of the older piping has been replaced with PVC.

P3. Storm piping is cast iron. Storm piping in the ambulance garage is insulated with glass fiber.

P4. Older valves are gate, newer valves are ball.

P5. Building is served by a 4" water main - 2" water meter with 3-valved by-pass in basement.

P6. Insulation is missing at the water heater and the water piping in the garage. Glass fiber is installed on some of the water piping in the basement. Storm piping has glass fiber insulation.

P7. Code issues: water temperature is set at 119° Fahrenheit, maximum temperature to be 110° Fahrenheit. No thermal mixing valve (TMV) at the heater. Add TMV per code. No recirculating pump at heater. Add recirculating pump, hot water piping length exceeds 100'-0" per code. Oxygen cylinders should be stored in a 1-hour fire rated room. Sanitary sewer exiting the basement wall near the electrical panels is questionable.

P8. Water heater is gas fired, AO Smith Preferred, Model BT 80-300, 74 gallon, 75,100 BTU. Installed in 2009. Hot water connection at heater is 1".

P9. Install hot water recirculation pump. Length of hot water piping exceeds 100'-0" per code.

P10. Add TMV to water heater. Set hot water temperature to 110° Fahrenheit. Code issue.

P11. Kitchen equipment: 2 compartment sink with garbage disposal. No dishwasher.

P12. Plumbing fixtures: Men's locker room – wall hung WC, Sloan Royal flush valve 3.5 gpf 16" aff. Lavatory in countertop with cross handle faucet, 33" aff. Urinal, wall-hung with Sloan Regal flush valve. Single stall shower-Symmons valve. Women's fixtures are same as Men's toilet room. Single unit EWC-spout at 33" aff. Janitors' curb has a vacuum breaker on spout. Non-freeze sill faucets on east and west sides of building.

P13. Small oxygen cylinders are stored in the garage – should be stored in a 1-hour rated room. Code issue.

P14. 1 ½" hose connections in the ambulance garage have a Watts 188A atmospheric vacuum breaker. ¾" Watts RPZ backflow preventer installed for the HVAC boilers.

P15. Continental commercial laundry unit and a residential washer and dryer.

P16. Sump and submersible pump in the basement. Floor drain and condensate in the basement drain into this pit. Sump/pump discharges to the basement sanitary sewer. No high water alarm installed.

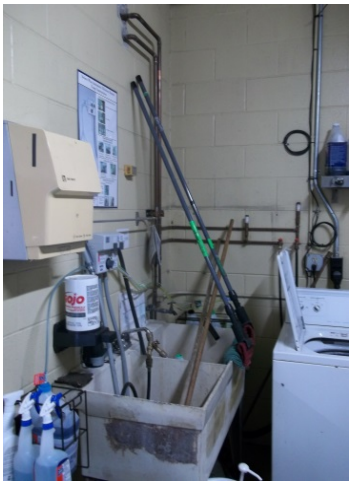
P17. Ambulance garage: trench drains and a garage catch basin installed.

P18. Parking lot pitches to a storm catch basin. Roof drains in fair condition, no secondary roof drainage. Entrance scuppers to grade.

P19. Building is served by a 4" water main (2" meter) from Humboldt Road. 4" sanitary and storm sewers discharge to Humboldt Road.



Sanitary Piping – Basement



Water piping at Sinks



Storm Piping – Garage



2" Water Meter, 3 valve By-pass



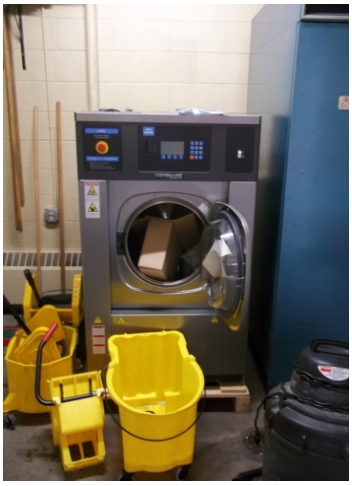
Cylinder Storage – Garage



Water Heater – Gas Fired



Water Heater – Gas Fired



Commercial Washer



Residential Washer & Dryer



2-Compartment Sink – Kitchen



Garbage Disposal at 2-Compartment Sink



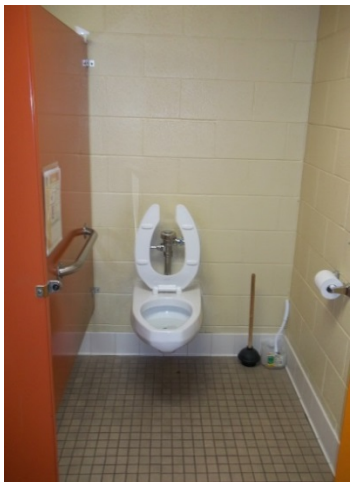
Water Closet – Women's



Lavatory – Women's



Shower – Women's



Water Closet – Men's



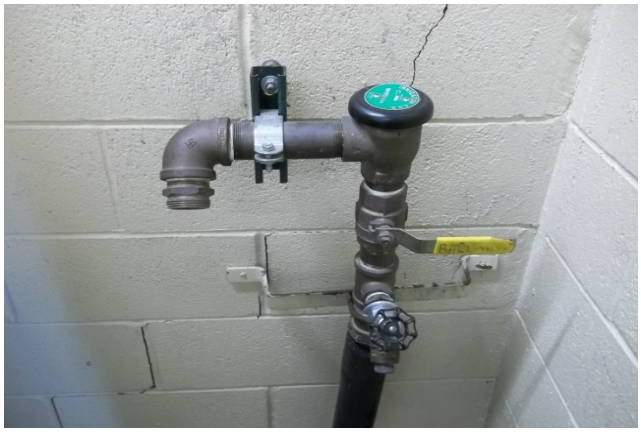
Lavatories – Men's



Urinals – Men's



Electric Water Cooler



1 ½" Hose Connection



HCW Service Faucet



Sump Pit and Pump



Non-freeze Sill Faucet



Trench Drain & Garage Catch Basin



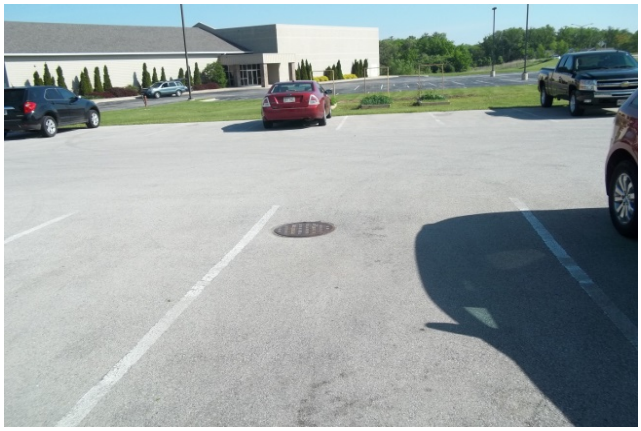
Roof Drain



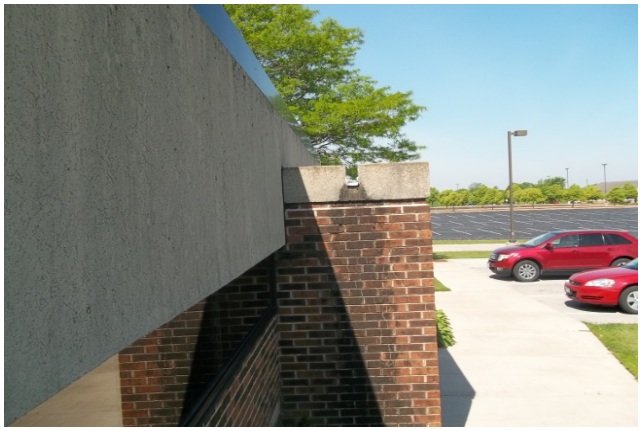
Drain at bottom of Stairs



Drainage at Planters



Catch Basin – Parking Lot



Relief Drainage at Entrance

HVAC SYSTEMS

Summary

The building was constructed in 1981. The building has had minor updates, but no major revisions. Some of the HVAC systems have been replaced in recent years.

The living quarters is served by a modular air unit, which is hung in a basement mechanical room. The air unit utilizes split system DX cooling to condition the air. The condensing unit is located on grade adjacent to and above the mechanical room. The air is distributed to each room where a zone control damper regulates the air flow to the space to maintain room temperature. Wall mounted fin tube radiation is utilized to regulate space temperatures.

The basement contains work out equipment. A workshop room was constructed, but ventilation was not installed. One basement storage room has ventilation, another has none. A return grille in the work-out room indicates supply air is delivered upstairs and pulled through the open stair into the work-out room, then returned to the air unit.

The toilet/locker rooms were originally ventilated by a power roof ventilator. An energy recovery unit is installed on the roof and appears to now serve the toilet/locker rooms. Original fan appears abandoned.

The kitchen ventilation hood is served by a roof mounted fan. The hood was replaced with a unit that appears to be type 1 rated. The unit does not have a fire suppression system.

A hot water boiler system is located in a basement mechanical room and was replaced in 2011. The combustion air ductwork was upgraded at that time. Fin tube radiation is used primarily to heat the living quarters. Convector units are located in the locker/toilet rooms, and a cabinet heater is located in the vestibule.

The controls are pneumatic. An air compressor is located in the apparatus room and in the basement mechanical room. The unit located in the apparatus room appears to be dedicated to the Plyovent System.

The apparatus room was originally ventilated by (2) exhaust fans and (2) make-up air units which utilized solar wall technology to provide some energy efficiency in the rooms heating requirements. The solar wall system is abandoned in place with an intake louver blanked off. The exhaust fans appear to only operate if manually switched on and the west fan was not operational at all. A truck exhaust system (PlymoVent) is connected to each truck and utilized to capture and expel exhaust fumes as trucks leave during fire calls. There does not appear to be a gas or occupant detection system or a time clock to control the operation of the garage ventilation.

Laundry dryer is vented through the wall adjacent to the condensing unit and electrical meter. The hose dryer in the apparatus room appears to vent into the room whereas at other fire stations it is ducted to the outdoors.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air Unit			**H1**	Appears to be original 1981. Modular unit, suspended in mechanical room. Trane Climate Changer. Unit position makes maintenance and replacement difficult.
Housing	**HP**	$40,000		Showing signs of leakage. Unit is shaking and noisy.
Air intake	**C**			
Condenser	**C**			Trane TTA072, Replaced original unit, exact age unknown, good physical condition.
Fan	**C**			2600 CFM, 1.5 HP. Fan is noisy and out of balance. Facility walls are vibrating.
Filters	**C**			30% filters
Controls	**C**			Pneumatic, replace with unit upgrade project.
Ductwork	**C**			Original. Inspect and seal with air unit replacement project. Plenum return.
Insulation	**C**			Where viewed the insulation appears intact.
Humidity	**HP**	$10,000		Residential type unit. Manually filled. Humidification is not a code requirement.
Occupied Space Ventilation (Basement)	**D**	$10,000		Basement is utilized for weightlifting and maintenance. Return air transferred through space only. No ventilation in maintenance shop.
Occupied Space Thermal Comfort	**HP**	$20,000		Zone dampers to modulate air flow only. Replace with VAV terminal for air unit efficiency and improved thermal comfort.
Exhaust Fans				
Toilet/locker room exhaust	**C**		**H2**	Original PRV remains on roof. New ERV adjacent appears to ventilate rooms. Renewair ERV, model HE1XRT, (2) fans .75HP each.
Exhaust Ductwork	**HP**	$4,000	**H3**	Grilles are beginning to rust. Dust and lint build-up is becoming visible.
Kitchen Hood, fan and Ductwork	**HP**	$10,000	**H4**	Penn FMX-15W, discharges 34" above roof.
Boiler System	**C**		**H5**	Installed 2011
Boilers	**C**			Raypak Xfyre, 600MBH input, 550 MBH output

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Pumps	C			B&G 1 HP primary B&G 1.5 HP lead/lag secondary pump 46GPM@42 feet
Piping	D	$4,000	H5	New copper pipe in boiler room. Mostly original throughout building. Electric meter located too close to gas meter.
Pipe Insulation	C			Minor damaged areas around area of maintenance. Replace with mechanical upgrade projects.
Room Terminal Units	C		H6	Convectors, cabinet heater, fin tube all appear to be thermostatically controlled.
Mechanical Room Ventilation	D	$500	H7	Combustion vent closed, needs adjustment for water heater.
Controls				
Air Compressor	C			Simplex unit for apparatus room. JCI ½ HP simplex unit updated in 2014 for the living quarters.
Room Control	F		H8	Original pneumatics. Replace with low voltage DDC during mechanical projects
Garage Ventilation			H9	
Make-up Air Unit	C			Units suspended high in apparatus room. B&G pumps on hot water coils. Solar wall is abandoned.
Exhaust	D	$60,000	H9	(2) fans, tags are unreadable. One fan does not function. Manual control. Automatic control abandoned.
Truck Exhaust	F			PlymoVent.
Control	HP	$10,000	H9	Pneumatic. Upgrade with mechanical replacements.

NOTES:

H1. Air unit appears to be the original unit, approximately 34 years old. Expected useful life is 20-25 years depending on maintenance and operation of the unit. The unit is a constant volume type with an outdoor condensing unit. The condensing unit has been replaced and appears to be in good condition. The air unit is rumbling quite loudly and vibrating badly. The vibration is being transmitted through the structure and can be felt in other areas and is shaking the maintenance room walls. The air unit's suspended location in a tight room makes unit maintenance and replacement difficult. It is recommended to replace the air unit and consider a revised location/arrangement. The duct arrangement would allow a packaged roof top unit installation, assuming roof structure can support, with minimal revisions.

The air unit supplies air to the first floor living space, where damper controllers will modulate the air to regulate space temperature. Heating is done by the perimeter fin tube radiation. The system arrangement can only regulate the space so much without cutting off required ventilation completely. To improve ventilation, a project to replace the zone dampers with reheat coils or VAV terminals with reheat coils is recommended. The heating device control should be upgraded at the same time.

A portable residential style humidifier is located in the sleeping room. This indicates that the occupants are attempting to regulate the building humidity to improve their comfort. This unit will actually improve humidity only slightly, but may have a greater psychological effect. This is because the air unit will introduce a greater amount of dry outside air than this unit can properly humidify. To humidify this building, it is recommended to install an electric or gas fired humidifier that is sized to serve the entire living quarters.

A dehumidifier was located adjacent the humidifier. This indicates that the air unit system is not capable of dehumidifying the building properly in the summer. This unit, like the humidifier, can only improve the environment slightly as the air unit delivers poorly conditioned air faster than this unit can dehumidify.

The basement is used as a return plenum. As the floors are open this is technically allowable. However, the maintenance room should be ventilated and to improve thermal comfort and dehumidify the basement it is recommended to install supply ventilation and a reheat coil, or VAV terminal to serve the basement area.

H2. The original roof mounted fan remains in place. It appears that an energy recovery unit was installed to replace the fan and the fan is abandoned.

H3. Grilles around the shower area are beginning to rust. Dust building up is visible on the grille and part of the duct. It is unknown if the energy recovery unit installation project also balanced the exhaust grilles. However, grille replacement and duct cleaning will improve air flow. System will need to be rebalanced after duct cleaning.

H4. The kitchen hood has been replaced. It is stainless steel, appears to be type 1, and the grease filter is set at an angle. No fire suppression system is installed. The installation of a fire suppression system is recommended. The fan on the roof appears to be original and rated for kitchen hood use and was code compliant at the time of installation. Current code requires the fan to discharge 40" above the roof whereas the existing unit discharges at 34". A high priority grade is given as the fan appears to be older, possibly original to buildings construction and will eventually require replacement.

H5. The boiler system was replaced as part of a 2011 building efficiency project. The boiler is a gas fired high efficiency condensing water boiler. The boiler was inspected in 2014. Lead/lag circulating pumps provide a small measure of redundancy. A micron filter was installed in 2011 to facilitate cleaning of the circulated fluid. The boiler was operational on day of visit with an outside air temperature of 68 degrees. Boilers at other facilities were off on colder days. Windows were open for natural ventilation indicating no need to heat the building. The supply water temperature was above 90 degrees. Recommend verification of the boiler control sequences to ensure compliance with owner's intentions.

The gas and electric meter are located immediately adjacent to each other. Public service requirements are 2' to 4' apart depending on arrangement. These units have been installed in this manner since the buildings construction in 1981, however the deficiency is tagged as the installation does not meet current construction guidelines and requirements.

H6. The living quarters is served by a variety of fin tube radiation, convector, and cabinet heaters. They all appear to be pneumatically controlled with original equipment (34 years old). These devices will eventually need to be upgraded and are noted under the air unit/thermal comfort tag in item H1 to be replaced during an air unit/mechanical system upgrade project.

H7. The mechanical room ventilation was upgraded during the 2011 boiler project. The outside air damper should remain partially open in the closed position to accommodate the water heater ventilation requirements. It appears the damper position has slipped and requires a readjustment to remain partially open.

H8. The air compressor in the apparatus room appears to serve the apparatus room and the air compressor in the basement mechanical room appears to serve the living quarters. Both appear to be operational. Mechanical upgrade projects should include the replacement of the pneumatic devices with low voltage DDC. This will allow the removal of the air compressor and air dryer.

H9. The apparatus garage is currently served by two high modular air units with pumped, hot water heating coils. The unit's age could not be verified but they appear older and are equipped with new hot water pumps. The pumps were operating on a 68 degree day and the garage doors were open indicating there was no need to heat the space. Recommend verification of the control sequences of the pumps and make-up air units to ensure compliance with the owners intended use.

The air units were originally designed to pull air through a solar wall system attached to the buildings south wall. This system is turned off and the system has been abandoned. One of the outside air vents has been blanked off.

The garage exhaust is served by two cabinet fans. These fans were originally interlocked to the air unit, but appear to have been disconnected. The fans are manually operated. The west fan does not operate.

The laundry dryer is located in the garage and is vented to the outside. The hose dryer does not appear to be vented to the outside as these units are at the other facilities. It is recommended to extend the hose dryer vent to the outdoors, to vent the warm moist air to the outdoors and not into the space.

A PlymoVent exhaust system is connected to each truck parked in the garage. This system operates whenever a truck is started and the vehicle exhaust is expelled from the garage. The hoses, where attached to the trucks, are showing some signs of wear and tear.

An enclosed garage has specific exhaust code requirements and the garage is required to have a negative pressure in relation to the living quarters. A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets 4 specific code provisions including the installation of a gas detection system. The PlymoVent truck exhaust system and the gas fired make-up unit alone do not meet the ventilation requirements for an enclosed garage. A garage exhaust fan upgrade project to install new exhaust fan and control systems is necessary to improve garage ventilation and occupant safety. Eventually the make-up air units will require replacement. At that time new make-up air units and radiant heaters are recommended for installation.



Air Unit



Condensing unit



Original Toilet Exhaust Fan



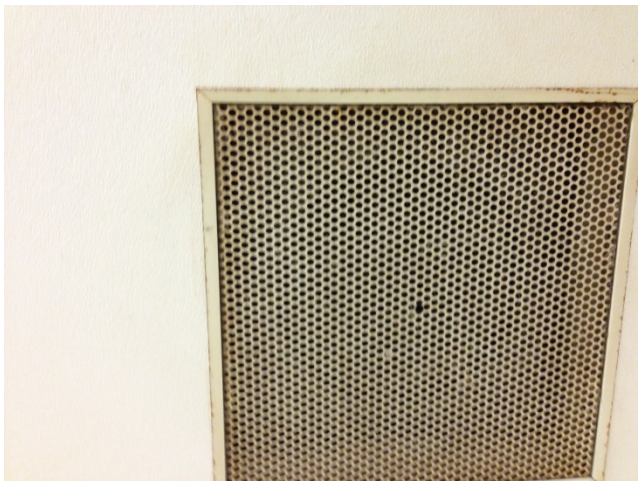
Energy Recovery Exhaust Unit



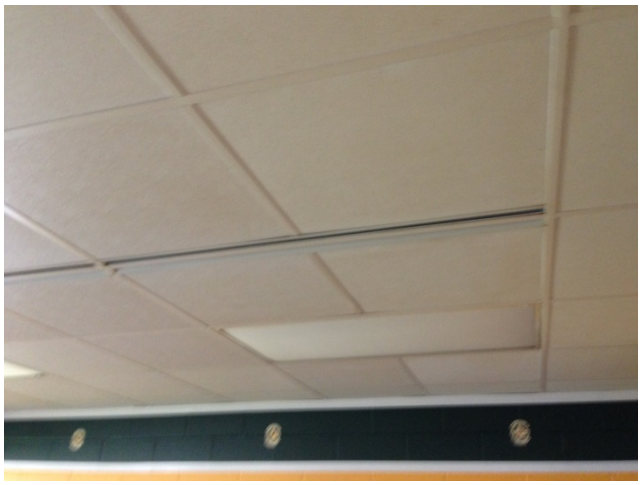
Kitchen Exhaust Fan



Kitchen Hood



Typical Exhaust Grille



Typical Supply Grille



Typical Fin Tube Radiation



Mechanical Room Ventilation Damper



Humidifier/Dehumidifier



Boiler



Hot Water Pumps



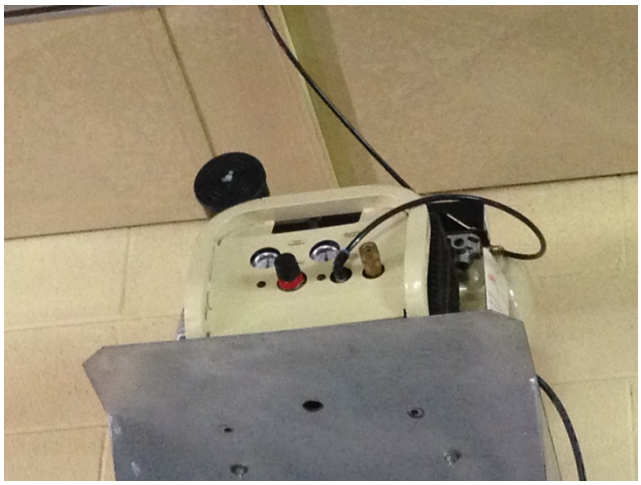
Chemical Feeder and Micron Filter



Gas Meter/Electric Panel



Temperature Control Air Compressor



Air Compressor



Air Dryer



Garage Make-up Air Unit



Garage Make-up Air Unit



Exhaust Fan Manual Switches



Garage Exhaust Fan



Solar Wall



Solar Wall Controls (Abandoned)



Garage Outside Air Louver



Truck Exhaust (PlymoVent)



PlymoVent Exhaust Fan



Dryer Exhaust Vent



Hose Dryer



Garage Exhaust Louver

ELECTRICAL SYSTEMS

Summary

The building is served by a 400 Amp, 120/240 Volt, single phase electrical service. The panels are in fair condition, but have no capacity for the future. The emergency generator serving the building is in fair condition. The emergency system is fed from a single transfer switch and panel board. The equipment is in fair condition and has some future capacity. An additional transfer switch and panel board is recommended to separate the critical and equipment loads from the life safety loads. Storage is currently partially blocking the code required 3-feet for electrical clearance for Panel B.

The outlets within the garage are not GFCI protected. Exterior outlets are GFCI, but their covers are not weatherproof while in-use. Lighting fixtures are in good to fair condition and utilize T8 lamps and ballasts, incandescent and compact fluorescent lamps. There are several fixtures with broken or missing lenses. These should be replaced or repaired. There is occupancy sensors located in the toilet rooms, but the facility should install occupancy sensors in offices, dining room, storage rooms and janitor's closets. LED and HID building mounted fixtures are in fair condition; consideration should be given to replacing the HID fixtures with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition. The facility is pulling Cat 5e and Cat 5 data and voice cabling and coax for CATV. The fire alarm system includes stand-alone smoke detectors and carbon monoxide detectors throughout the building which are in good condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Electrical Service				
Utility Service Entrance	C		E1	400 Amp underground electrical utility service enters the building in the 1st floor laundry room.
Normal Power Distribution Equipment				
Enclosed Circuit Breakers (ECB) and Wire Way	F		E1	400 Amp ECB feeds a wireway that is tapped serving ECB's feeding panels and equipment, in fair condition.
Branch Panels	F		E1, E3	Two outdated Westinghouse panels, both are full and in fair condition.
Emergency Power Distribution Equipment				
Generator	F			12.5 KW Onan natural gas generator in fair condition.
Transfer Switch	HP	**$5,000**	E3, E4	Outdated Onan 100 Amp ATS in fair condition.
Branch Panel	HP	**$10,000**	E3, E4	100 Amp outdated Westinghouse panel in fair condition and with future capacity. Mixed loads.

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Power				
Receptacles	**D**	**$1,000**	E5	Garage outlets and outlets within 6' of sinks need to be GFCI. Provide weatherproof while-in-use covers for all exterior outlets.
Lighting				
Garage	**C**			Industrial fixtures with T-8 lamps in good condition.
Office spaces, conference rooms, and corridors	**C**			Recessed acrylic lens troffers with T-8 lamps in good condition.
Sleep Rooms	**C**	**$100**	E6	Recessed acrylic lens troffers with T-8 lamps and wall mounted incandescent sconces at each bed in good condition.
Toilet Rooms	**F**	**$2,000**	E7	Recessed troffers, surface mounted industrials and wrap-arounds, some fixtures have broken lenses, others are in good condition.
Mechanical spaces, storage rooms, utility areas	**C**			Industrial strips and surface mounted wrap-arounds with T-8 lamps, in good condition.
Exterior	**F**	**$3,000**	E8	HID and LED wall packs in fair condition controlled by photocell and timeclock.
Lighting Controls				
Offices	**HP**	**$1,000**	E9	Add occupancy sensors
Toilet Rooms/ Small Storage Rooms	**F**	**$500**	E9	Toilet rooms have occupancy sensors in good condition; add sensors in janitor and storage rooms.
Emergency Egress Lighting and Exit Signs				
Corridors	**C**			Fixtures connected to emergency panel.
Exit Signs	**F**			LED type in good to fair condition.
Fire Alarm Devices				
Smoke Detectors	**C**			A few stand-alone smoke detectors throughout the building.
Telecommunications				
Data/Voice	**C**			Cat 5 and Cat 5e cabling
CATV	**C**			Coax

NOTES:

E1. The electric meter is located adjacent to the gas meter which does not meet current WPS requirements. If the electrical utility service were updated in the future, the electric and gas meter would require being located further apart.

E2. Code required 3-feet for electrical clearance and clear space above the equipment is not being fully maintained.

E3. Replace outdated panels and equipment with new panels due to limited part availability. Provide additional panel, or utilize larger tub size, to allow for future capacity.

E4. Recommend providing an additional automatic transfer switch and panel board to separate the critical and equipment branch loads onto a new panel and leave the existing panel with the life safety loads.

E5. Replace all outlets located in the garage area and exterior outlets with GFCI type device. Add weatherproof while-in-use covers on exterior outlets. Replace existing outlets within 6 feet of sinks with GFCI type device, unless they are currently protected from a nearby GFCI outlet. If this is the case, the outlet should be labeled per NEC requirements.

E6. Replace incandescent lamps with compact fluorescent or LED type for energy savings.

E7. Consideration should be given to replacing older fixtures with new. Replacement or repair should be done on fixtures with broken or missing lenses.

E8. Consider replacing all HID fixtures with more efficient LED in the future.

E9. Occupancy sensors should be installed in the meeting room, classroom, offices, storage rooms, and janitors closet to provide additional energy savings. If areas are renovated, controls will be required to be updated to meet current energy code.



Main Electrical Service Meter



Main Electrical Service ECB



Telephone System



Data Rack



Generator



100A ATS



Existing Emergency Panel



Existing Panel A



Existing Panel B



Wireway and Enclosed Circuit Breakers



Time Clock



Manual Transfer Switches for AHU



Shower Light – Missing Lens



Exterior Outlet



Garage Outlets and Door Controllers



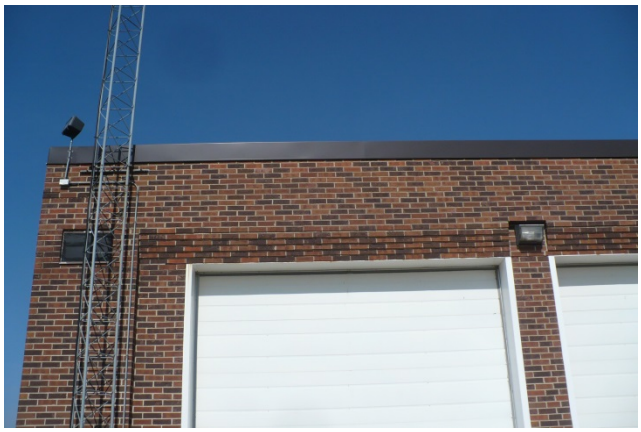
Exit Sign



Sleeping Room Lighting



Dining Room Lighting



HID Wall Pack and Flagpole Light



Garage Lighting



Stand-Alone Smoke Detector



Exterior Light with Weatherproof Switch



LED Wall Pack



Parking Lot Pole Light

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EVALUATION

OF

CITY-OWNED FACILITITES

FIRE DEPARTMENT MAINTENANCE SHOP

August, 2015

FIRE DEPARTMENT

SUMMARY

Date of Visit: July 1, 2015
Address: 1820 Mills Street

Building Description

The fire department maintenance shop is a metal building with concrete block interior wall partitions. There is a storage mezzanine over the office and toilet room. This building was designed in 1970.

No drip edge was installed where the wall panel meets the foundation wall and rusting / deterioration is prevalent. The metal skin, both inside and out, is dented, marred and fading. The door to the east (parking lot side) has significant rust on the exterior surface.

Code/Accessibility

The building is classified as Storage-Moderate Hazard (S-1) under current IBC. A rated room should be established for storage of hazardous material. Building itself is on-grade with adequate door/entry width, but bathroom is not. Recommend providing door to meet accessible width requirements.

Structural System

The structure is a pre-engineered metal building consisting of structural steel rigid frames, z-purlins, and standing seam metal roof deck with cast-in-place concrete foundations. There is minor shrinkage cracking in the slab on grade, but it is not impairing the structural integrity of the slab, and no remedial actions are recommended at this time.

Plumbing Systems

Fire department storage garage is a metal building with minimal plumbing. The building has one toilet room, which is scheduled for renovation. Garage area has trench drain(s) and a garage catch basin. Building roof is served by gutters and downspouts.

An eye wash station and thermostatic mixing valve are required to be added to the facility. Insulation on water piping is highly recommended.

HVAC Systems

The garage is served by multiple radiant heaters, multiple circulation fans, a make-up air unit/heater and multiple exhaust fans. The 5 rooms (office, bathroom, parts, storage and tanks) are served by a residential style furnace. A through-the-wall air conditioner serves the office cooling load.

Outside air should be added to the office area and garage. A larger exhaust fan is needed at the bathroom (scheduled for renovation soon).

Electrical Systems

The building is served by a 200 Amp, 120/240 Volt, three phase electrical service. The panels are in good to fair condition, and have some capacity for the future.

The outlets within the garage should be GFCI protected. The facility should install occupancy sensors in the toilet room, office, and storage room. Consideration should be given to replacing the building mounted HID fixtures with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition. The facility is pulling Cat 5 data and voice cabling.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural / Code		Hazardous materials room		**$3,000**
	Accessible door to toilet room			**$4,000**
Architectural/Code Subtotal				**$7,000**
Structural				**None**
Fire Protection				**NA**
Plumbing			Insulation	**$5,000**
	Thermal Mixing Valve			**$5,000**
Plumbing Subtotal				**$10,000**
HVAC Systems	Furnace			**$15,000**
			Through-wall A/C unit	**$3,000**
	Toilet/Locker Room Exhaust			**$4,000**
			Exhaust Ductwork	**$1,000**
	Make-up Air Unit			**$40,000**
			Exhaust	**$20,000**
			Vehicle Exhaust	**$10,000**
HVAC Subtotal				**$93,000**
Electrical	Receptacles			**$1,000**
			Offices	**$250**
			Toilet Rooms/ Small Storage Rooms	**$500**
Electrical Subtotal				**$1,750**
Building Total				**$111,750**



Site Plan



Aerial View of Site

ARCHITECTURAL

Building Description

The fire department maintenance shop is a metal building with concrete block interior wall partitions. There is a storage mezzanine over the office and toilet room. This building was designed in 1970.

Building Envelope

Exterior Walls

The exterior wall is a combination of double-sided, insulated metal wall panel and single sided insulated metal wall panel - all on a steel frame; the latter is above the eave-line. There are a multitude of penetrations, ventilation, electrical, windows, air units, etc. most of which, appear to not be original to the building. No drip edge was installed where the wall panel meets the foundation wall and rusting/deterioration is prevalent. The metal skin, both inside and out, is dented, marred and fading.

Doors

Overhead doors are uninsulated metal with four vision cut outs in one panel.
Swing doors are insulated hollow metal. Some have a half-light, but the pane in the office has been partially spray-painted to make it obscure. The door to the east (parking lot side) has significant rust on the exterior surface.

Interior Finishes

Garage area walls are the inside surface of the metal panel construction with exposed steel frame. The toilet room and storage room have concrete block walls. The office has older wood paneling, which is apparently furred out from the metal building panels, as evidenced by a set-in bookshelf in the west exterior wall.

The office and bathroom floors are ceramic mosaic tile floor. The bathroom has a 2-piece sanitary cove base at both the concrete block walls and built-in wood closets. (These elements will more than likely change with the scheduled remodeling of the bathroom.) All other areas have sealed concrete floor.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Design 1970	**Gross Area**	4,500 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group S-1 – Storage		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Occupancy

Under the description for S-1 occupancy buildings in the IBC, allowable uses include "Motor vehicle repair garages complying with the maximum allowable quantities of hazardous materials listed in Table 307.1(1)." A full investigation of all the materials kept in the storage room of the shop was not done. The quantities, types and containment devices in that room would seem to indicate that it should be considered a hazardous occupancy room.

Per IBC Table 508.4, a 2 hour room should be provided to separate a hazardous occupancy room from an S-1 occupancy building. There was no label on the existing frame to confirm fire rating, but the precast plank over the top of the room would seem to indicate that it was designed as a 2-hour rated room. The room door was removed from the opening. It is recommended that the rating of the frame be confirmed, and that a rated door be installed at the opening.

Egress and Safety
Two legal means of egress are provided. Knob door hardware could be upgraded to lever handles for better accessibility and ease of use.

Plumbing Fixtures
Bathroom is scheduled for remodeling soon. A work sink in the garage area provides hand wash area. A drinking fountain in the garage provides drinking water. Its original push bar is not operational, but staff has provided an alternate method of operation that allows the water flow to be continuous.

Summary of Accessibility/ADA Compliance

The building is on grade, with doors 36" wide or greater, which complies with requirements. Although the bathroom is slated for renovation soon, its door and frame are not part of the scope of work, and do not provide required 32" clear width access per IBC Chapter 11 and ADA.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	F			
Exterior Facade Condition	C			
Exterior Door Condition	F		A1	
CODE ELEMENTS				
Hazardous Room	CP	$3,000	A5	
Egress and Safety	F		A2	
Doors	F D	$4,000	A3	
Plumbing Fixtures	NA		A4	Bathroom will be renovated.

NOTES:

A1. Recommend replacing east exterior door which has significant rust. Recommend cleaning spray paint off vision window of west office entry door and applying an obscure film instead.

A2. Knob hardware could be upgraded to lever handles for ease of use and accessibility.

A3. Recommend providing a door/opening of code compliant width to the bathroom.

A4. Recommend cleaning and maintenance of fixtures to remain; sink and drinking fountain in the garage area.

A5. Recommend re-certifying the door frame as a 2-hour rated frame, installing a 2-hour rated door and code compliant hardware to establish a 2-hour rated room.



North Elevation



West Elevation



East Elevation



Openings in East Elevation



Garage Area Looking Northwest



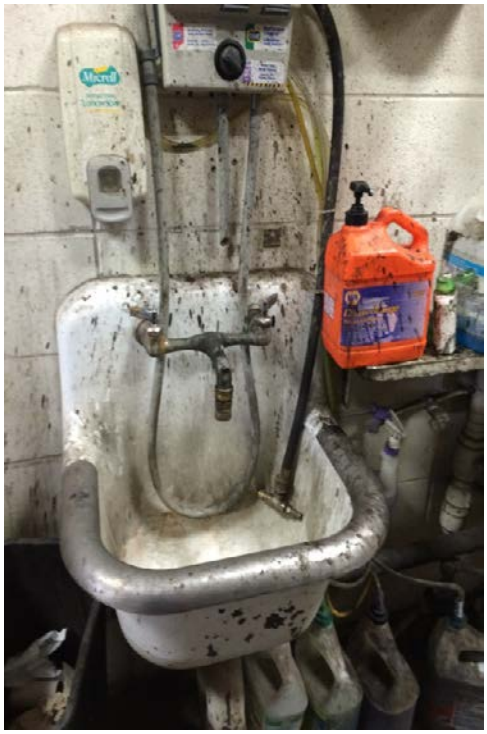
Garage Area Looking Southeast



Storage Mezzanine over Office



Storage Room



Sink at Garage Area



Drinking Fountain

STRUCTURAL SYSTEM

Summary

The structure is a pre-engineered metal building consisting of structural steel rigid frames, z-purlins, and standing seam metal roof deck with cast-in-place concrete foundations.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1970 (Verne Conder)
Structure type				
Foundations	**C**			Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings.
1st Floor	**C**		**S1**	6" concrete slab on grade with 6x6 – #6/#6 welded wire mesh reinforcing.
Mezzanine	**C**			2x10's @ 16" on center with 5/8" plywood sheathing over load-bearing masonry walls. (One bay over Storage Room is 6" precast pre-stressed concrete plank.)
Roof	**C**			26 gauge, standing seam steel deck over z-purlins, supported by structural steel rigid frames.
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams, columns, floor slabs, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There is minor shrinkage cracking in the slab on grade, but it is not impairing the structural integrity of the slab, and no remedial actions are recommended at this time.



Concrete Slab on Grade Cracking



Concrete Slab on Grade Cracking

PLUMBING SYSTEMS

Summary

Fire department storage garage is a metal building with minimal plumbing. Building has one toilet room. Garage area has trench drain(s) and a garage catch basin. Building roof is served by gutters and downspouts.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	Cast iron
Storm/Clearwater System	F		P3	Gutter, downspouts
Valves	F		P4	Ball and gate valves
Domestic Water Service	C		P5	2" main
Insulation	HP	$5,000	P6	Add insulation to water piping
Code Issues	D	See below	P7	Add TMV to eyewash and water heater
Equipment				
Domestic Water Heater	F		P8	Electric, AO Smith
Recirculation Pump(s)	NA			No pump required.
Water Softener	NA			No water softener installed
Thermal Mixing Valve (TMV)	D	$5,000	P9	Add TMV's (code issue)
Plumbing Fixtures	F		P10	
Oxygen Storage	NA			
Backflow Prevention	C		P11	Hose end vacuum breaker
"Shop" Air Compressor	F		P12	Speedaire compressor
Maintenance Garage	F		P13	Trench drain, garage catch basin
Exterior				
Storm Drainage, Roof Drainage	F		P14	Discharge to grade
Utilities	F		P15	2" water, 4" sanitary main

NOTES:

P1. Water piping is copper, soldered joints. Fair condition. Piping is missing insulation.

P2. Sanitary piping is cast iron, hub & spigot connection.

P3. Building roof is served by gutters and numerous downspouts. Downspouts discharge to grade.

P4. Older valves are gate, newer valves are ball.

P5. Building is served by a 2" water main. 2" water meter with 3-valved by-pass in the storage room.

P6. Water piping is not insulated. Insulation should be added for energy savings and to control condensation.

P7. Code issues: water temperature is set above 110° Fahrenheit. No thermostatic mixing valve (TMV) at the heater. Add TMV per code. Add TMV to the eyewash or replace the faucet. Eyewash requires tempered water–per code.

P8. Water heater is electric, 240Volt, AO Smith Energy Saver, 50 gallon. Hot/cold water connection at the heater is 1". Piping is not insulated. No TMV installed.

P9. Add TMV to the water heater. Set hot water temperature to 110° Fahrenheit. Install TMV for the eyewash or replace the faucet. Eyewash requires tempered water. Code issues.

P10. Plumbing fixtures: No ADA handicap fixtures in the building. Single toilet room in the building. Water closet is tank-type. Lavatory is vitreous wall-hung with a faucet/eyewash installed. (Non-compliant). Floor mounted urinal with elevated tank flush. Fiberglass single stall shower.

P11. Faucet on the garage sink has a hose connection with a threaded hose end vacuum breaker installed. Backflow prevention appears compliant.

P12. Speedaire "shop" air compressor with horizontal tank supplies the garage.

P13. Garage: trench drains which discharge to a garage catch basin.

P14. Roof is served by gutters on (2) sides of the building. Downspouts discharge to grade.

P15. Building is served from a 2" water main. Sanitary sewer is 4". Main routes west to North Henry Street. Storm discharges to grade. Parking lots have internal drainage – catch basins.



Vent Piping - Garage



"Shop" Air Piping



Water Meter with Bypass



Water Heater



Tank-type Water Closet



Lavatory with Eyewash



Urinal and Lavatory



Shower



Electric Water Cooler and Sink



Janitor's Sink



Trench Drain – Garage



Trench Drain, Garage Catch Basin



"Shop" Air Compressor



Roof Vent(s)



Gutter/Downspout



Gutter/Downspout

HVAC SYSTEMS

Summary

The garage is served by multiple radiant heaters, multiple circulation fans, a make-up air unit/heater and multiple exhaust fans. The 5 rooms (office, bathroom, parts, storage and tanks) are served by a residential style furnace. A through the wall air conditioner serves the offices cooling load.

A new, large circulation fan is installed in the garage. The older, small circulation fans have been left in place.

A welding hood is served by a sidewall exhaust fan located high on the side of the building.

The under slab vehicle exhaust system is served by a centrifugal fan located high with the garage area.

The garage exhaust is served by a sidewall propeller fan, ducted to 17" above the floor.

The make-up air unit's outside air duct is capped off. The unit recirculates air and heats the space.

A ceiling fan serves the bathroom exhaust requirements. Fan appears undersized. The bathroom is scheduled for renovation soon.

The residential furnace serving the offices, storage and parts room supplies air to the rooms. The air was designed to be transferred to the garage which keeps those under a positive pressure but the furnace returns air from the garage. Odors, fumes, and vapors in the garage are captured and supplied into the office/locker rooms. Office transfer is blanked off. No outside air connection is visible. Oil drums, paint, and grease are stored in the storage and parts rooms.

Controls are electric, line and low voltage. The air compressor is utilized for shop air only.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Office Unit			**H1**	
Furnace	**D**	$15,000	**H1**	Bryant Plus 80. Combustion air taken from space. No outside air. Return air inlet is open to the garage. Filter is minimal efficiency and extremely dirty.
Controls	**C**			Low voltage thermostat installed in office.
Ductwork	**F**		**H1**	Poor supply placement at toilet room. No return duct.
Insulation	**NA**			No insulation. Duct is routed in heated garage, across mezzanine, to rooms.
Through-wall A/C unit	**HP**	$3,000	**H1**	Unknown unit age. No outside air. No operable window.
Exhaust Fans				
Toilet/Locker Room Exhaust	**D**	$4,000	**H2**	Small ceiling fan. Appears to be a 75 or 100 CFM unit. Serves room with multiple toilet fixtures and shower. Larger unit required. Room under negative pressure from garage.
Exhaust Ductwork	**HP**	$1,000	**H2**	Not visible. Grille and fan is filthy, reducing air flow.
Garage Ventilation			**H3**	
Make-up Air Unit	**D**	$40,000	**H3**	Reznor 400MBH Input, 320 Output. Outside air is capped off. One new fan motor. Supply ducted to floor.
Exhaust	**HP**	$20,000	**H3**	Propeller fan, ducted to 17" AFF.
Vehicle Exhaust	**HP**	$10,000	**H3**	Under slab system. Hoses connect vehicle exhaust to floor connection.
Circulation Fans	**C**			One new fan. Older fans left in place.
Welding Fan	**C**			Appears to be in good condition.
Radiant Heaters	**C**			Appears to be in good condition. Intake and exhaust combustion air ducted to outside.

NOTES:

H1. Residential style furnace is located on the mezzanine and ducted to the parts, storage, bathroom, and office. The return air is pulled from the garage which transfers odors and fumes into the bathroom and office. The supply air in the bathroom is located immediately adjacent to the exhaust, which does not allow the heated air to ventilate the space properly. The transfer grille between the office and the garage is blanked off which does not allow the office to be ventilated properly unless the door is open.

A project is recommended to install an electric cabinet heater and ductless split system cooling unit in the office. In addition a heat recovery ventilator should exhaust the bathroom while supplying fresh outside air to the office cooling unit.

H2. The ceiling fan does not appear to be large enough to serve the bathroom exhaust requirements. The recommendation as made above in H1, includes the installation of a heat recovery ventilator to increase ventilation air while providing energy recovery.

H3. The garage make-up air unit outside air duct is capped off. The unit now recirculates air within the garage and provides heat. The garage exhaust fan is a propeller fan which is ducted to the floor. The condition of the fan is unknown. An underground exhaust system is connected to a centrifugal fan hung high in the garage. The exhaust appears to be manually started. As this is a repair garage is was not clear if the vehicles are also stored in enclosed space, overnight.

The garage exhaust should operate continuously while the space is occupied and conditioned make-up air should be supplied to replace the exhausted air. A project is recommended to replace the exhaust fan, make-up air unit and the vehicle exhaust fan. New controls should be automated to provide ventilation when the space is occupied and reduce ventilation during the unoccupied hours when vehicles are stored in the building.



Furnace



Through-Wall Air Conditioner



Welding Hood



Welding Exhaust Fan



Radiant Heater



Radiant Heater



Bathroom Exhaust



Typical Supply Grille



Outside Air Louver (Abandoned)



Vehicle Exhaust Fan



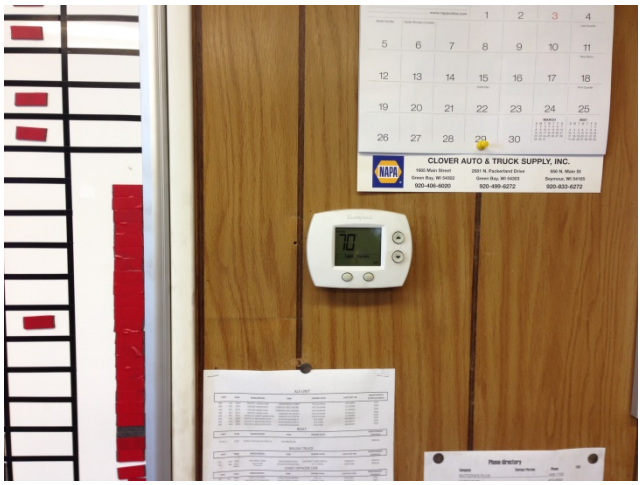
Under Slab Vehicle Exhaust



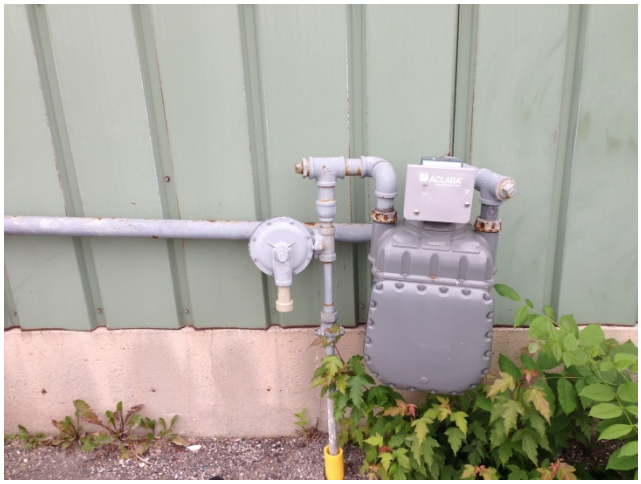
Large Circulation Fan



Typical Garage Thermostat



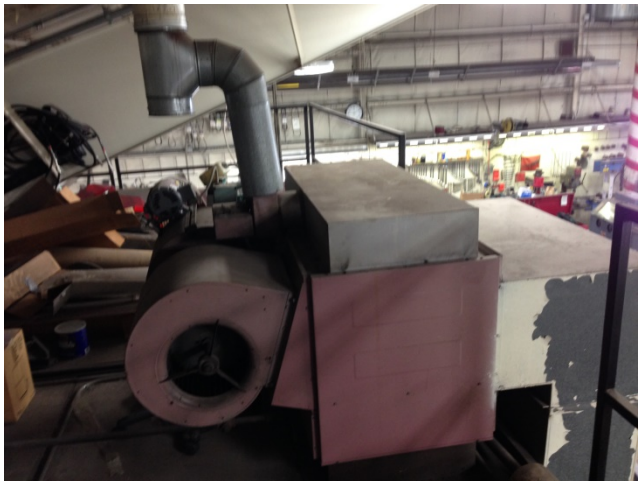
Office Thermostat



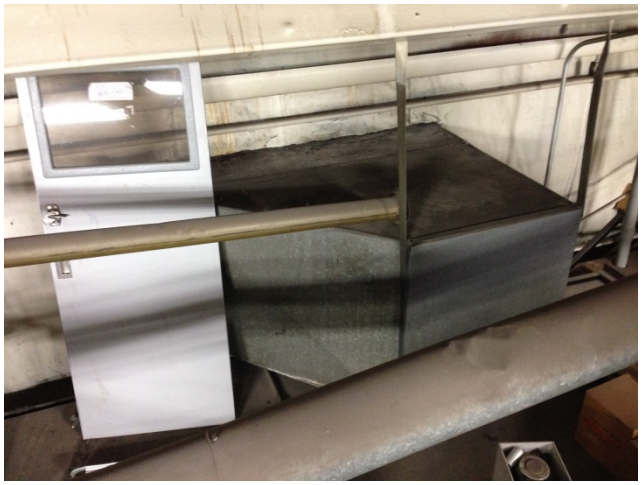
Gas Meter



Shop Air Compressor



Make-up Air Unit



Capped Outside Air Duct



Blanked off Transfer Grille



Gas Pipe Supported with Wire



Storage Room



Non-Vented Cabinet

ELECTRICAL SYSTEMS

Summary

The building is served by a 200 Amp, 120/240 Volt, three phase electrical service. The panels are in good to fair condition, and have some capacity for the future.

The outlets within the garage are not GFCI protected. Lighting fixtures are in good to fair condition and utilize T8 lamps and ballasts and incandescent lamps. The facility should install occupancy sensors in the toilet room, office, and storage room. HID building mounted fixtures are in fair condition; consideration should be given to replacing the HID fixtures with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition. The facility is pulling Cat 5 data and voice cabling.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Electrical Service				
Utility Service Entrance	C			200 Amp overhead electrical utility service enters the building in the tank room.
Normal Power Distribution Equipment				
Main Panel	F			200 Amp Square D load center panel in fair condition, mostly full
Branch Panels	C			Three Square D load center panels in good condition with some space for future.
Power				
Receptacles	D	$1,000	E1	Garage outlets need to be GFCI.
Lighting				
Garage	C		E3	Industrial fixtures with T-8 lamps and HID fixtures in good condition.
Office	C			Surface mounted wraps with T-8 lamps in good condition.
Toilet Rooms	F	$200	E2	Surface mounted wrap with T-8 lamps and incandescent fixture in fair condition.
Mechanical Spaces, Storage Rooms, Utility Areas	C			Industrial strips with T-8 lamps, in good condition.
Exterior	F	$500	E3	HID wall packs in fair condition.
Lighting Controls				
Offices	HP	$250	E4	Add occupancy sensors.

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Toilet Rooms/ Small Storage Rooms	HP	$500	E4	Add occupancy sensors.
Exit Signs				
Exit Signs	F			LED type in fair condition.
Telecommunications				
Data/Voice	C			Data rack in office, Cat 5 cable.

NOTES:

E1. Replace all outlets located in the garage area with GFCI type device.

E2. Replace incandescent lamps with compact fluorescent or LED type for energy savings.

E3. Consider replacing all HID fixtures with more efficient LED in the future.

E4. Occupancy sensors should be installed in the office, storage room, and toilet room to provide additional energy savings. If areas are renovated, controls will be required to be updated to meet current energy code.



Main Electrical Service Entrance and Meter



Main Electrical Panel



Data Equipment Rack



Branch Panel



Branch Panel



Branch Panel



Garage Lighting



HID Garage Fixture



HID Garage Fixture



Exterior HID Wall Pack



Time Clock



Office Lighting



Toilet Room Lighting



Exit Sign

EVALUATION

OF

CITY-OWNED FACILITITES

PARKING UTILITY SAND STORAGE

August, 2015

DEPARTMENT OF PUBLIC WORKS

SUMMARY

Date of Visit: July 9, 2015
Address: 2228 North Quincy Street

Building Description

The storage building is uninsulated corrugated metal wall panel on wood frame that was built in the early 1990s. It is used primarily for Parking Utility de-icing compounds for use in city parking ramps. Panels are dented in spots, but this is an aesthetic concern only. There are no windows. Sliding front door panels match the wall construction.

The roof is pitched, corrugated metal roof panel on wood frame in good condition. There is an asphalt floor. There are no gutters or downspouts.

Code/Accessibility

The 1,000 SF building is mostly unoccupiable, due to stored material. A single egress door is provided, which meets code requirements. The step over the sill to egress is not a concern, because the building is essentially unoccupied.

Structural System

The structure consists of standing seam steel roof deck over 2x purlins and wood trusses bearing on wood posts. The existing building is structurally sound with no significant deficiencies noted.

Mechanical, Electrical, Plumbing Systems

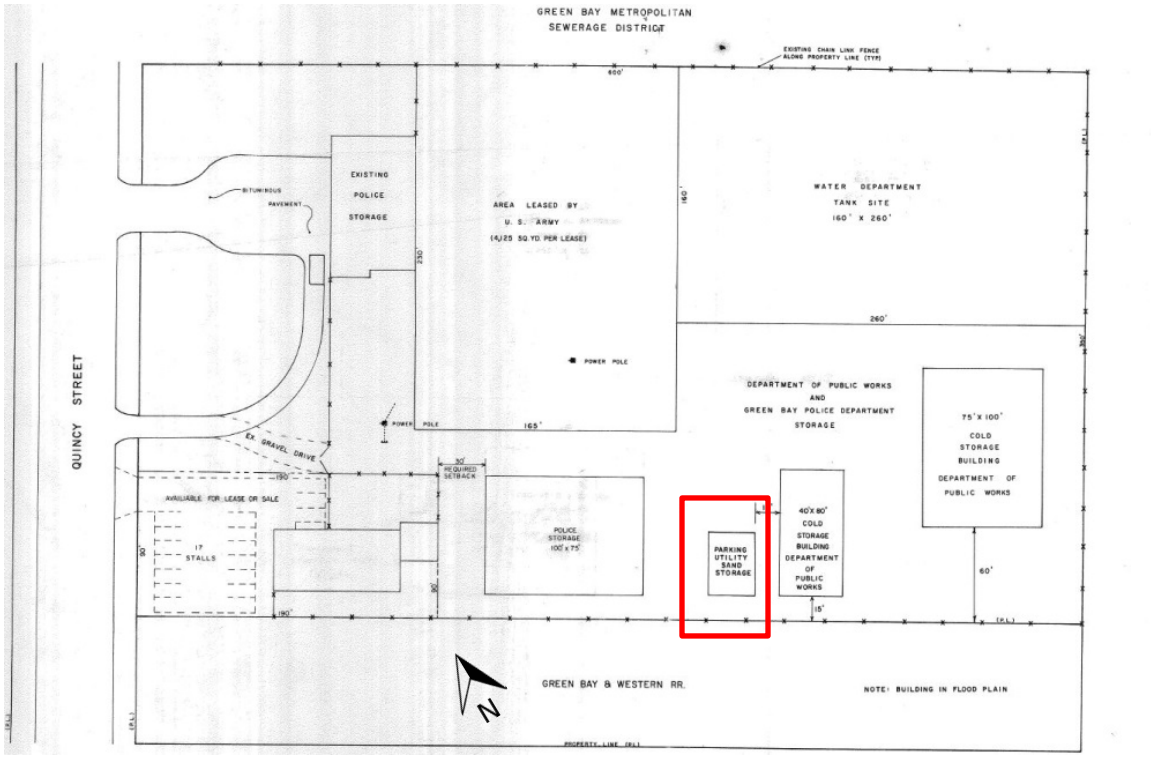
No plumbing or mechanical systems to report. Building roof pitches and discharges to grade. There are two exterior HID lighting fixtures.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural				NA
Code/ADA				NA
Structural				NA
Fire Protection				NA
Plumbing				NA
HVAC Systems				NA
Electrical				NA



Site Plan



Aerial View of Site

ARCHITECTURAL

Building Description

The storage building is a manufactured metal pole building, used primarily for Parking Utility de-icing compounds for use in city parking ramps. It is an unoccupied structure.

Building Envelope

Exterior Walls

Building structure is corrugated metal wall panel on wood frame. Panels are dented in spots, but this is an aesthetic concern only. The building is uninsulated. There are no windows.

Exterior Doors

Sliding Door, matching wall construction, appeared in good working order. Metal trim is dented, but this is an aesthetic concern only.

Roof

The roof is pitched, corrugated metal roof panel on wood frame. It appeared to be in good working condition. There are no gutters or downspouts installed on the building.

Interior Finishes

The floor is asphalt. There are no interior walls.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Early 1990s	**Gross Area**	1,000 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group U – Utility and Miscellaneous		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

One legal means of egress are provided via a side door. Since the majority of the space is unoccupiable due to stored material, this is code compliant. Knob door hardware could be upgraded to lever handles for better accessibility and ease of use. Closer has been disconnected.

Summary of Accessibility/ADA Compliance

The building is on grade, with a door 36" wide or greater, which complies with requirements. There is a step up/over the threshold of the swing door in order to exit, but since this is an emergency exit only for an unoccupied building, the step is not a concern.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	C			
Exterior Facade Condition	C			
Exterior Door Condition	F		A1	
CODE ELEMENTS				
Egress and Safety	C			
Plumbing Fixtures	NA			

NOTES:

A1. Recommend closer be re-attached/installed. Door could be upgraded to lever hardware for ease of use and accessibility.



North Elevation



Interior



Base of Building on Asphalt Surface



Egress Door

STRUCTURAL SYSTEM

Summary

The structure consists of standing seam steel roof deck over 2x purlins and wood trusses bearing on wood posts.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				Early 1990s
Structure type				
Foundations	**C**			Unknown. Posts appear to be embedded in the ground, presumably down to concrete footings.
1st Floor	**C**			Asphalt.
Roof	**C**			24 gauge standing seam steel roof deck over 2x wood purlins and wood trusses supported by wood posts.
Occupancy Category	**N/A**			Occupancy Category II
Construction Type	**N/A**			Construction Type **V-B** (0 hour beams and columns, 0 hour roof)
Vertical Expandability	**N/A**			None.
Typical Column Spacing	**N/A**			
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

PLUMBING SYSTEMS

Summary

This is a metal pole building.
No plumbing systems to report. Building roof pitches and discharges to grade.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	NA			
Sanitary Piping/Main	NA			
Storm/Clearwater Drainage	F		P1	
Code Issues	NA			

NOTES:

P1. Metal building with gable roof. Roof discharges to grade. Area around the building is gravel, pitches to the south and east into adjacent wetlands.

EVALUATION

OF

CITY-OWNED FACILITITES

COLD STORAGE – BUILDING 3

August, 2015

DEPARTMENT OF PUBLIC WORKS

SUMMARY

Date of Visit: July 9, 2015
Address: 2228 North Quincy Street

Building Description

The storage building is insulated corrugated metal wall panel on metal frame built in the early 1990s. The panels are dented in spots, but this is an aesthetic concern only. Closed-cell foam-in-place insulation is exposed throughout. There are no windows. Two egress doors are provided at opposite ends of the building, in addition to the overhead door.

The roof is minimally pitched, corrugated metal roof panel on steel frame in good condition. There is a sealed concrete floor. There are no gutters or downspouts.

Code/Accessibility

In the 3,500 sq. ft. building, two legal means of egress are provided. The building is on grade, with doors 36" wide or greater, which complies with requirements.

Structural System

The structure is a pre-engineered metal building by "Steel Ox" consisting of structural steel rigid frames, z-purlins, and standing seam steel roof deck, supported by cast-in-place concrete foundations. The existing building is structurally sound with no significant deficiencies noted.

Plumbing Systems

No plumbing systems to report. Building roof pitches and discharges to grade.

HVAC Systems

The building is generally naturally ventilated as the overhead doors are open when the building is occupied, but can be mechanically ventilated as well. An exhaust fan is located on one end of the building and an air intake louver is located on the other. The fan is controlled by a timer switch. A gas fired unit heater is manually adjusted through the thermostat. The unit heater uses LP gas. Ceiling fan is utilized to circulate air around the building.

The control of the building's equipment is compliant with no significant deficiencies noted.

Electrical Systems

The building is served by a 200 Amp, 120/240 Volt, single phase electrical service. The electric service panel is in good condition. The panel in Building 3 serves the panel in Building 4.

Receptacles are not GFCI protected.

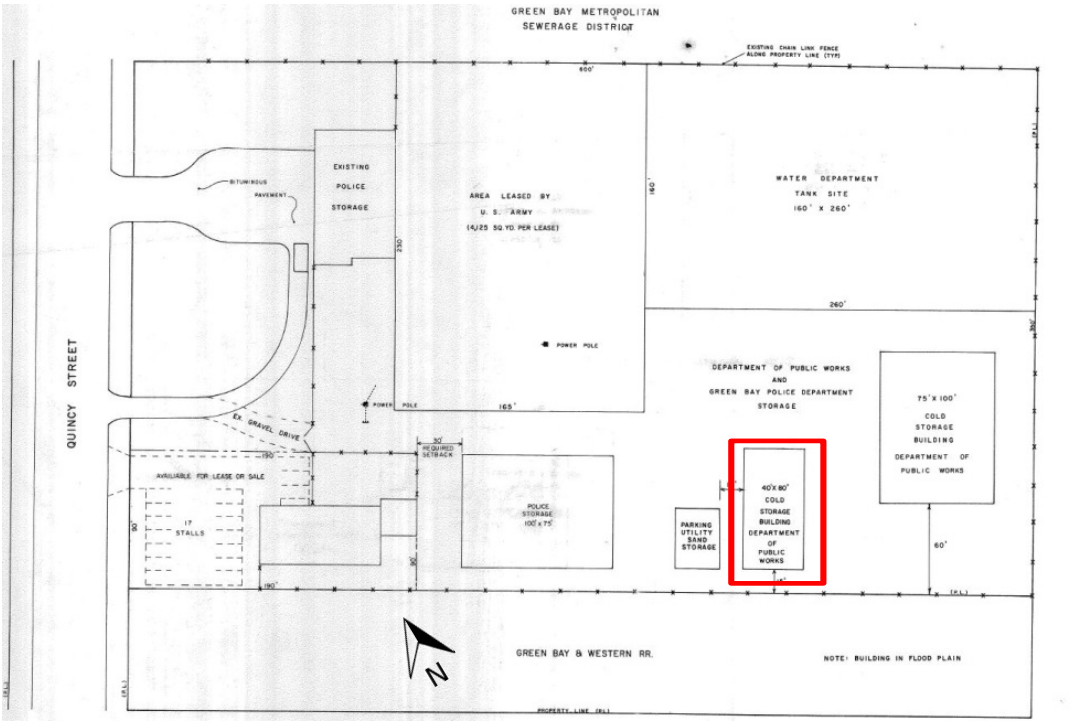
Both interior and exterior lighting fixtures are HID.

Estimates

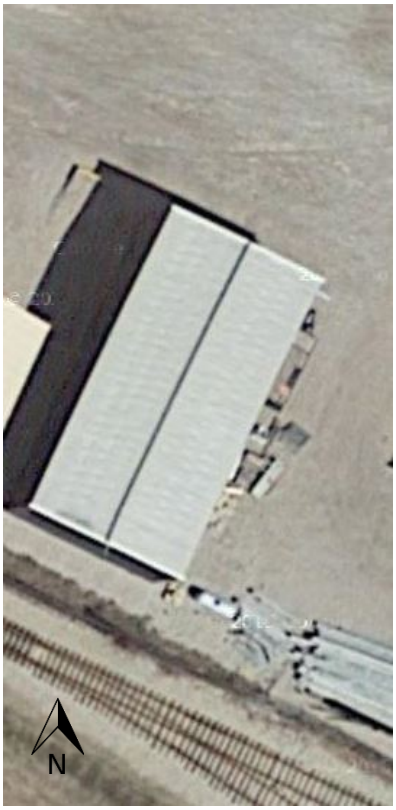
Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural				NA
Code/ADA				NA
Structural				NA
Fire Protection				NA
Plumbing				NA
HVAC Systems				NA
Electrical			Receptacles	$750
Building Total				$750



Site Plan



Aerial View of Site

ARCHITECTURAL

Building Description

DPW Cold Storage Building 3 is an insulated metal building with exposed structure. There are no separate interior rooms/spaces.

Building Envelope

Exterior Walls

Building walls are corrugated metal wall panel on metal frame. The panels are dented in spots, but this is an aesthetic concern only. Closed-cell foam-in-place insulation is exposed throughout.

There are no windows. Two egress doors are provided at opposite ends of the building, in addition to the overhead door.

Roof

Minimally pitched, corrugated metal roof panel on steel frame appeared to be in good working condition. No gutter or downspouts are installed on this building.

Interior Finishes

The floor is sealed concrete. There are no interior walls. Casework is placed at perimeter of building, some of which is set on a small concrete curb.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Early 1990s	**Gross Area**	3,500 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group S-2 – Storage		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Two legal means of egress are provided. Knob door hardware could be upgraded to lever handles for better accessibility and ease of use.

Summary of Accessibility/ADA Compliance

The building is on grade, with doors 36" wide or greater, which complies with requirements.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	C			
Exterior Facade Condition	C			
Exterior Door Condition	C		A1	
CODE ELEMENTS				
Egress and Safety	C		A2	
Plumbing Fixtures	NA			

NOTES:

A1. Recommend regular maintenance on door closers to improve operation.

A2. Doors could be upgraded to knob hardware for ease of use and accessibility.



Interior



Exterior Facing North



Rear Door



Casework

STRUCTURAL SYSTEM

Summary

The structure is a pre-engineered metal building by "Steel Ox" consisting of structural steel rigid frames, z-purlins, and standing seam steel roof deck, supported by cast-in-place concrete foundations.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				Early 1990s
Structure type				
Foundations	C			Cast-in-place concrete foundations.
1st Floor	C			6" concrete slab on grade with 6x6 #6/#6 welded wire mesh reinforcing.
Roof	C			24 gauge standing seam steel roof deck over z-purlins supported by structural steel rigid frames.
Occupancy Category	NA			Occupancy Category II
Construction Type	NA			Construction Type **II-B** (0 hour beams and columns, 0 hour roof)
Vertical Expandability	NA			None.
Typical Column Spacing	NA			
Overall Structural Condition	C			The existing building is structurally sound with no significant deficiencies noted.

PLUMBING SYSTEMS

Summary

This is a metal pole building.
No plumbing systems to report. Building roof pitches and discharges to grade.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	NA			
Sanitary Piping/Main	NA			
Storm/Clearwater Drainage	F		P1	
Code Issues	NA			

NOTES:

P1. Metal building with gable roof. Roof discharges to grade. Area around the building is gravel, pitches to the south and east into adjacent wetlands.



Building Roof Edge

HVAC SYSTEMS

Summary

The pre-engineered building is utilized as a work shop and is temporarily occupied. The building is generally naturally ventilated as the overhead doors are open when the building is occupied. However the building can be mechanically ventilated as well. An exhaust fan is located on one end of the building and an air intake louver is located on the other. The fan is controlled by a timer switch which the occupants will manipulate based on their presence in the space. A gas fired unit heater is manually adjusted through the thermostat and is started/stopped when the occupants are in the building. The unit heater uses LP gas. Ceiling fan is utilized to circulate air around the building.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Building Ventilation			**H1**	
Gas Fired Heat	**C**			LP gas, unit heater mounted high in space
Exhaust Fan	**C**			Sidewall fan connected to timer switch
Ceiling Fan	**C**			

NOTES:

H1. The control of the buildings equipment (gas fired unit heater, ceiling fan, exhaust fan) is compliant. No recommendation for equipment replacement or upgrade at this time.



Ceiling Fan



Unit Heater



LP Tank



Exhaust Fan



Air Intake



Unit Heater Exhaust

ELECTRICAL SYSTEMS

Summary

The building is served by a 200 Amp, 120/240 Volt, single phase electrical service. The electric service panel is in good condition. The panel in Building 3 serves the panel in Building 4.

Receptacles are not GFCI protected.

Both interior and exterior lighting fixtures are HID.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Disconnect Panel	C			Good condition
Branch Panels	C			Same as Main Service Disconnect Panel
Emergency Power Distribution Equipment				
Branch Panels	NA			There are no emergency branch panels
Lighting				
Interior	C	$3,500	E1,E2	Consider replacing HID lamped fixtures with LED sourced fixtures
Exterior	C	$500	E2	Consider replacing HID lamped fixtures with LED sourced fixtures
Power				
Receptacles	HP	$750		Replace non-GFCI receptacles with GFCI type

NOTES:

E1. LED fixtures provide the convenience of immediate ON while HID fixtures go through a warm-up cycle which lasts several minutes.

E2. Immediate reduced operational costs plus reduced future maintenance costs should be evaluated before investing in retrofitting fixtures. ROI may not warrant replacement cost due to building's limited occupied use.



**Service Entrance and Meter on Right;
Feeder to Building 4 on Left**

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EVALUATION

OF

CITY-OWNED FACILITITES

COLD STORAGE – BUILDING 4

August, 2015

DEPARTMENT OF PUBLIC WORKS

SUMMARY

Date of Visit: July 9, 2015
Address: 2228 North Quincy Street

Building Description

The storage building is uninsulated corrugated metal wall panel on metal frame built in 1993. It is used primarily to store various equipment including motorized vehicles. Panels are dented in spots, but this is an aesthetic concern only. There are no windows. Two egress doors are provided at opposite ends of building, in addition to the overhead door.

The roof is minimally pitched, corrugated metal roof panel on steel frame in good condition. There is a sealed concrete floor. There are no gutters or downspouts.

Code/Accessibility

In the 7,500 sq. ft. building, two legal means of egress are provided. The building is on grade, with doors 36" wide or greater, which complies with requirements.

Structural System

The structure is a pre-engineered metal building by "Steel Ox" consisting of structural steel rigid frames, z-purlins, and standing seam steel roof deck, supported by cast-in-place concrete foundations. The existing building is structurally sound with no significant deficiencies noted.

Plumbing Systems

No plumbing systems to report. Building roof pitches and discharges to grade.

HVAC Systems

The pre-engineered storage building is unheated, but is ventilated. Two exhaust fans and two air intakes are utilized to ventilate the space. The systems are controlled by a timer switch, located at the entrance door. The fans are controlled by a timer switch. This alone does not meet current code.

Installing a small fan to continuously ventilate the space at the minimum flow rate and retain the timer switch or interlock the existing fans with the lights is recommended.

Electrical Systems

The building is served by a 100 Amp, 120/240 Volt, single phase electrical service originating from the panel in Building 3. The electric service panel is in good condition.

Receptacles are not GFCI protected.

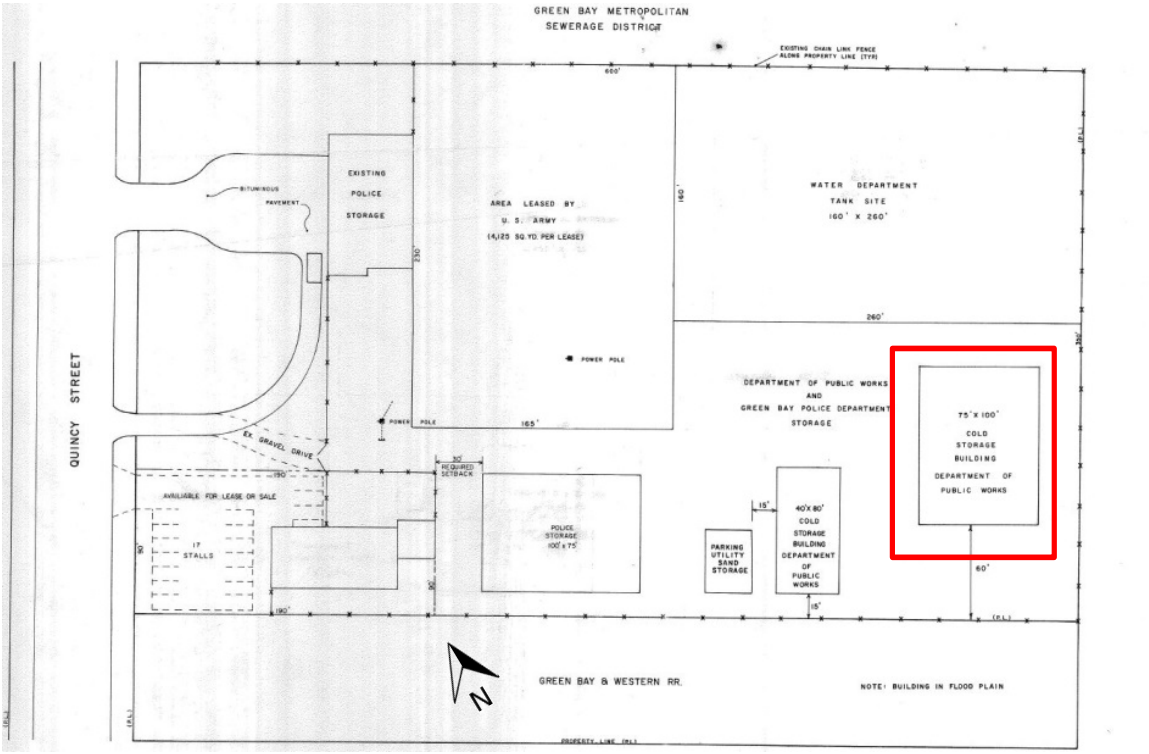
Both interior and exterior lighting fixtures are HID.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural				**NA**
Code/ADA				**NA**
Structural				**NA**
Fire Protection				**NA**
Plumbing				**NA**
HVAC Systems	Control			**$5,000**
Electrical			Receptacles	**$750**
Building Total				**$5,750**



Site Plan



Aerial View of Site

ARCHITECTURAL

Building Description

DPW Cold Storage Building 4 is an uninsulated metal building with exposed structure. There are no separate interior rooms/spaces.

Building Envelope

Exterior Walls

Building walls are corrugated metal wall panel on metal frame. The panels are dented in spots, but this is an aesthetic concern only. The building is uninsulated.

There are no windows. Two egress doors are provided at opposite ends of the building, in addition to the overhead door.

Roof

Minimally pitched, corrugated metal roof panel on steel frame appeared to be in good, working condition. No gutter or downspouts are installed on this building.

Interior Finishes

The floor is sealed concrete. There are no interior walls. Casework is placed at perimeter of building, some of which is set on a small concrete curb.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1993	**Gross Area**	7,500 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group S-2 – Storage		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Two legal means of egress are provided. Knob door hardware could be upgraded to lever handles for better accessibility and ease of use.

Summary of Accessibility/ADA Compliance

The building is on grade, with doors 36" wide or greater, which complies with requirements.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	C			
Exterior Facade Condition	C			
Exterior Door Condition	F		A1	
CODE ELEMENTS				
Egress and Safety	C		A2	
Plumbing Fixtures	NA			

NOTES:

A1. The rear door was difficult to open, and the closer did not work. Recommend maintenance on hinges and closer.

A2. Doors could be upgraded to knob hardware for ease of use and accessibility.



Rear Door



Exterior Facing North

STRUCTURAL SYSTEM

Summary

The structure is a pre-engineered metal building by "Steel Ox" consisting of structural steel rigid frames, z-purlins, and standing seam steel roof deck, supported by cast-in-place concrete foundations.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1993 (G.B. DPW - Engineering)
Structure type				
Foundations	C			Cast-in-place concrete foundations.
1st Floor	C			6" concrete slab on grade with 6x6 #6/#6 welded wire mesh reinforcing.
Roof	C			24 gauge standing seam steel roof deck over z-purlins supported by structural steel rigid frames.
Occupancy Category	NA			Occupancy Category II
Construction Type	NA			Construction Type **II-B** (0 hour beams and columns, 0 hour roof)
Vertical Expandability	NA			None.
Typical Column Spacing	NA			
Overall Structural Condition	C			The existing building is structurally sound with no significant deficiencies noted.

PLUMBING SYSTEMS

Summary

This is a metal pole building.
No plumbing systems to report. Building roof pitches and discharges to grade.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	NA			
Sanitary Piping/Main	NA			
Storm/Clearwater Drainage	F		P1	
Code Issues	NA			

NOTES:

P1. Metal building with gable roof. Roof discharges to grade. Area around the building is gravel, pitches to the south and east into adjacent wetlands.



Building Roof Edge

HVAC SYSTEMS

Summary

The pre-engineered storage building is unheated, but is ventilated. The building is used to store various equipment including motorized vehicles. Two exhaust fans and two air intakes are utilized to ventilate the space. The systems are controlled by a timer switch, located at the entrance door, which workers manipulate upon entering the building to retrieve the stored vehicles.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air intake/Make-up	C		H1	Two intakes, line voltage damper actuators open when lights are turned on.
Exhaust Fan	C		H1	Two cabinet fans ducted to near floor. CFM rate is unknown.
Control	D	$5,000	H1	Timer switch.

NOTES:

H1. The building is not heated but ventilated because vehicles are stored in the building. The air intakes are compliant and the fans appear to be sized to ventilate the building adequately but the exact CFM could not be verified. The fans are controlled by a timer switch. This alone does not meet current code.

A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. A garage exhaust fan project to revise the exhaust fans and control system is necessary to improve garage ventilation and occupant safety.

Installing a small fan to continuously ventilate the space at the minimum flow rate and retain the timer switch or interlock the existing fans with the lights is recommended.



Air Intake



Air Intake



Timer Switch



Exhaust Fan



Exhaust Opening



Exhaust Fan

ELECTRICAL SYSTEMS

Summary

The building is served by a 100 Amp, 120/240 Volt, single phase electrical service originating from the panel in Building 3. The electric service panel is in good condition.

Receptacles are not GFCI protected.

Both interior and exterior lighting fixtures are HID.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Disconnect Panel	C			Good condition
Branch Panels	C			Same as Main Service Disconnect Panel
Emergency Power Distribution Equipment				
Branch Panels	NA			There are no emergency branch panels
Lighting				
Interior	C	$5,000	E1,E2	Consider replacing HID lamped fixtures with LED sourced fixtures
Exterior	C	$500	E2	Consider replacing HID lamped fixtures with LED sourced fixtures
Power				
Receptacles	HP	$750		Replace non-GFCI receptacles with GFCI type

NOTES:

E1. LED fixtures provide the convenience of immediate ON while HID fixtures go through a warm-up cycle which lasts several minutes.

E2. Immediate reduced operational costs plus reduced future maintenance costs should be evaluated before investing in retrofitting fixtures. ROI may not warrant replacement cost due to building's limited occupied use.



Electrical Panel

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EVALUATION

OF

CITY-OWNED FACILITITES

WEST SIDE INCINERATOR

August, 2015

DEPARTMENT OF PUBLIC WORKS

SUMMARY

Date of Visit: July 22, 2015
Location: near corner of North Military Avenue and Hurlbut Street

Building Description

The incinerator building was constructed in 1965 of uninsulated corrugated metal siding over steel structure with a concrete and masonry base. The building is set into a hillside, with only the front (southwest) side providing at-grade entry. The back half of the building contained compartments in which garbage was incinerated, and then removed via an overhead door at foundation level on the back west side. To the north is a large brick smoke stack, connected to the incinerator with concrete foundation wall approximately 12' to 16' in height.

The building has been abandoned for a number of years. It is kept locked to prevent entry. **It is recommended that this building be demolished, due to its advanced state of decay.** The many penetrations in its exterior leave it susceptible to entry by vandals and vagrants, and therefore a potential hazard to public safety.

Code/Accessibility

As an unoccupied structure, accessibility is not an issue with this building.
With none of the overhead or swing/personnel doors adequately operational, and a deteriorated building shell, this building is hazardous to maintain in its current state. **It is recommended that the building be demolished.**

Structural System

The structure consists of steel roof deck over steel purlins and structural steel trusses supported by steel columns. Raised refractory floor is a grid work of steel framing over the combustion and blower rooms below. Building bears primarily on concrete foundations with the exception of the smokestack which is supported on wood piles.

The existing building is in a significant state of disrepair. At this time, the main structural framework of the building is still functioning adequately. However, with the current lack of weather tightness of the building envelope, additional deterioration of the roof decking, followed by the other structural members will continue to advance at an accelerated rate. **Based on its unused, unmaintained state, demolition of the building is the most logical solution at this time.** If the building remains unoccupied and is monitored annually for additional significant roof deck failures, the structural frame could possibly remain intact for a number of years.

Plumbing Systems

Incinerator building is in poor condition. Any plumbing systems have since been removed. Building roof pitches to a gutter/scupper on the perimeter of the building. Downspouts on the building have been removed.

HVAC Systems

There are no operational HVAC systems in this building. Equipment and material has been removed. Remnants of the systems include duct and combustion vents stub through the roof and the wall of the building. The building is abandoned therefore no HVAC system is required at this time.

Electrical Systems

The building reportedly has not been occupied for several years. It is abandoned.

The building is served by a 3-phase electrical service from a pole-mounted transformer setting located east of the building. The service enters the basement. The amperage rating of the service is unknown as the basement was not accessible for review. The electrical equipment accessible for review on the upper floor shows signs of corrosion.

There were no receptacles observed on the upper level. Lighting fixtures are for incandescent lamps but few if any had lamps installed.

Estimates

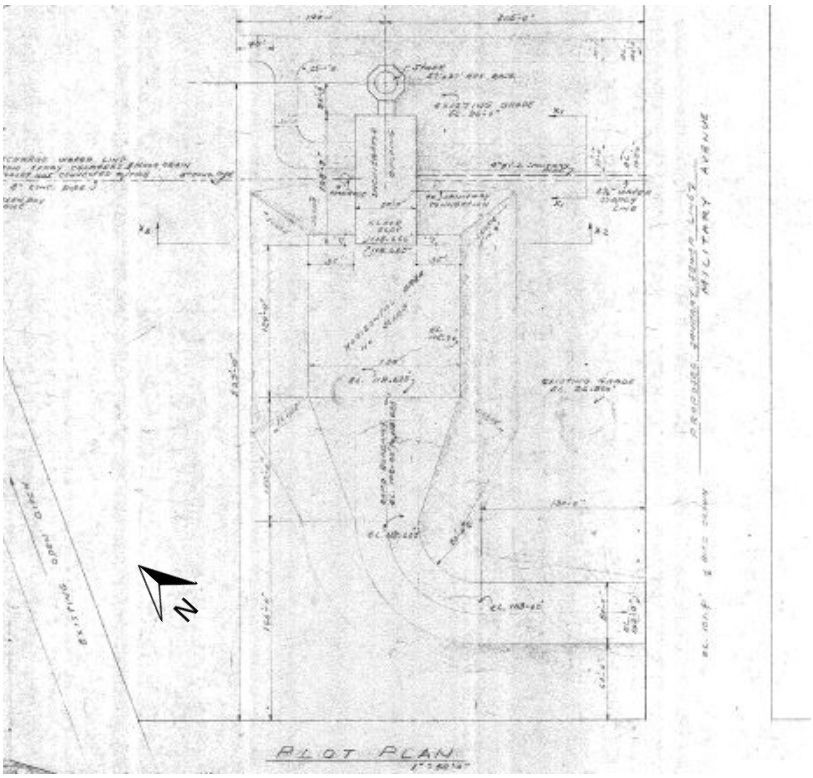
Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural	Roof Condition			**S1**
	Exterior Facade Condition			**S1**
	Exterior Door Condition			**S1**
	Interior			**S1**
Code/ADA	Egress and Safety			**S1**
	Doors			**S1**
Structural				**S1**
Fire Protection				**NA**
Plumbing				**NA**
HVAC Systems				**NA**
Electrical			Electrical Equipment	**S1**
			Interior lighting	**S1**

NOTES:

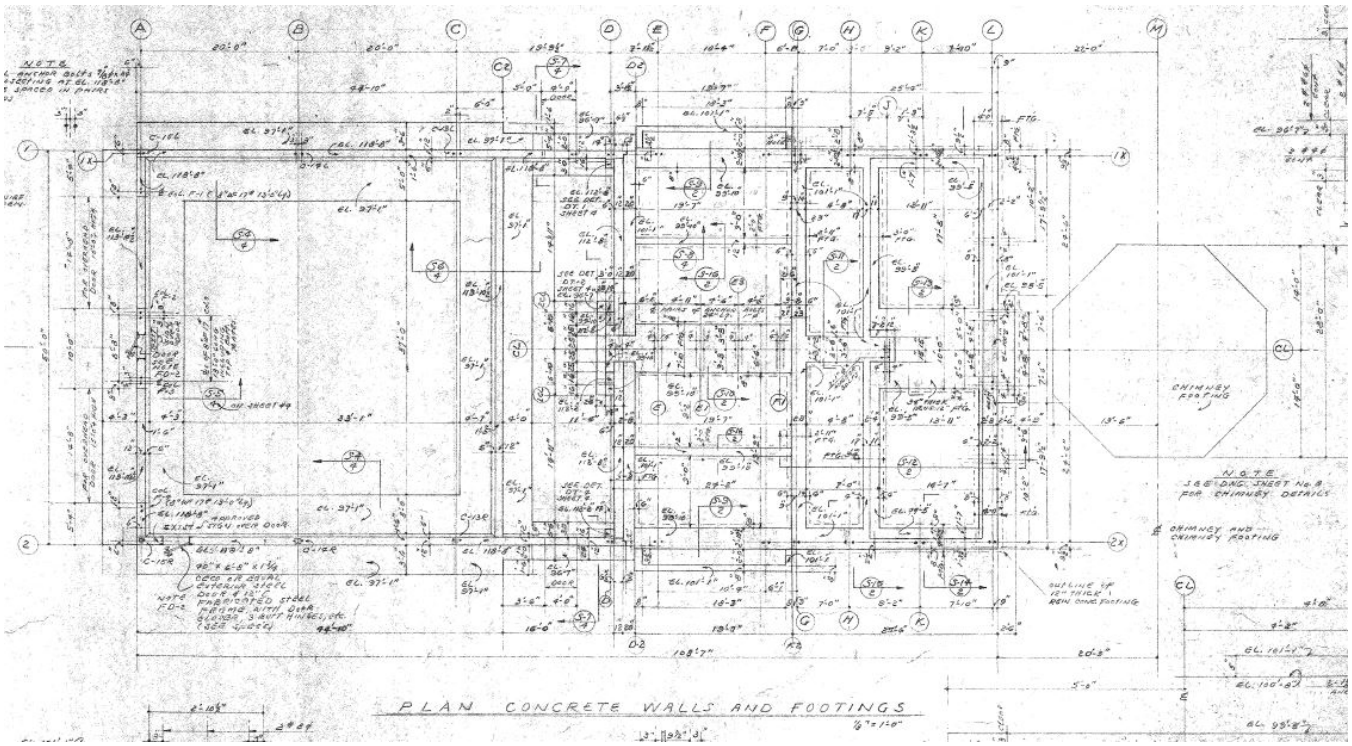
S1. Budget costs are not listed, since the building is recommended to be demolished.



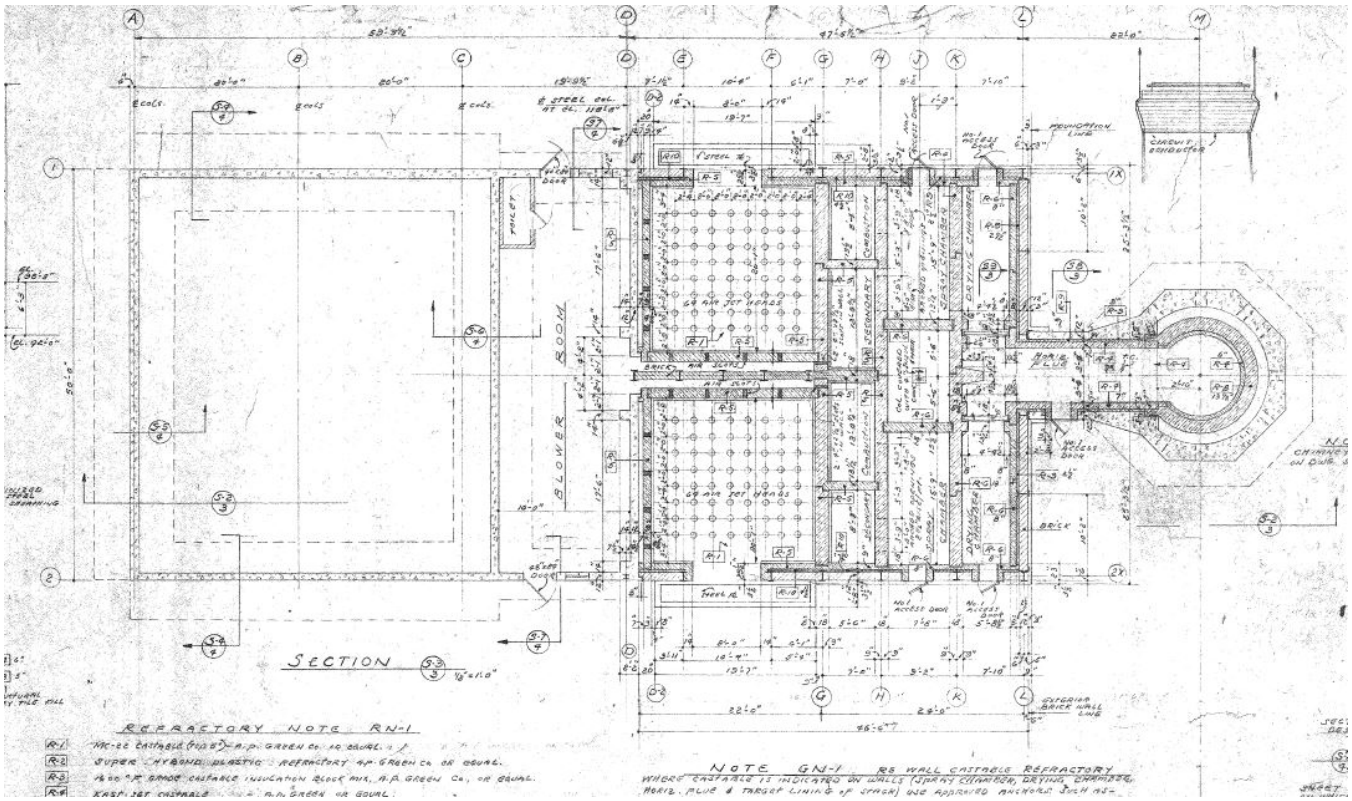
Site Plan



Aerial View of Site



Footings/Foundation



Floor Plan

ARCHITECTURAL

Building Description

The incinerator building has uninsulated corrugated metal siding over steel structure. The building is set into a hillside, with only the front (southwest) side providing at-grade entry.

The back half of the building contained compartments in which garbage was incinerated, and then removed via an overhead door at foundation level on the back west side. To the north is a large brick smoke stack, connected to the incinerator with concrete foundation wall approximately 12' to 16' in height.

The building has been abandoned for a number of years. **It is kept locked to prevent entry. It is recommended that this building be demolished, due to its advanced state of decay.** The many penetrations in its exterior leave it susceptible to entry by vandals and vagrants, and therefore a potential hazard to public safety.

Building Envelope

Exterior Walls

The foundation wall is exposed over most of the sides and all of the back of the building, with a 4' high poured concrete base forming the interior and front wall of the structure. Brick panels held in place with steel posts and horizontal bracing face the back half of the exposed foundation.

The corrugated metal wall panels and roof decking are in extremely poor condition. Rust is prevalent throughout; daylight can be seen through many openings in the panels.

Windows

Translucent panels at the uppermost part of the wall provide the building's only light source. The panels are the same corrugated configuration as the metal wall panels.

Doors

There are steel overhead doors for vehicle entrance and metal personnel doors. The overhead doors were not checked for operation, since there is no power to the building. One door had a written warning not to use because the cable may come off.

One personnel door was opened for access. Others were barred shut with 2x4s and metal brackets from the interior. Daylight was visible under the doors. All had areas of rust.

Roof

Roof access was not available, but the underside of the deck was visible from the interior. It is significantly rusted, with portions of deck material separating from the deck. Some patched holes in the roof deck may have been for previous venting ducts that have been removed.

Interior Finishes

Floors

Floor of the main space is concrete. Cracking occurs along directional lines where trucks would have pulled into the facility via the front overhead doors.

Walls

One small room at the center of the main space is constructed of concrete block. It provides access to a pit below. The corners of this structure are significantly damaged, and rusting reinforcing is staining the concrete base from within.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	D		A1	
Exterior Facade Condition	D		A1	
Exterior Door Condition	D		A1	
Window Condition	NA			Translucent panels have no frames, and are not technically windows.
Interior	D		A1	

NOTES:

A1. Budget costs are not listed, since the building is recommended to be demolished.



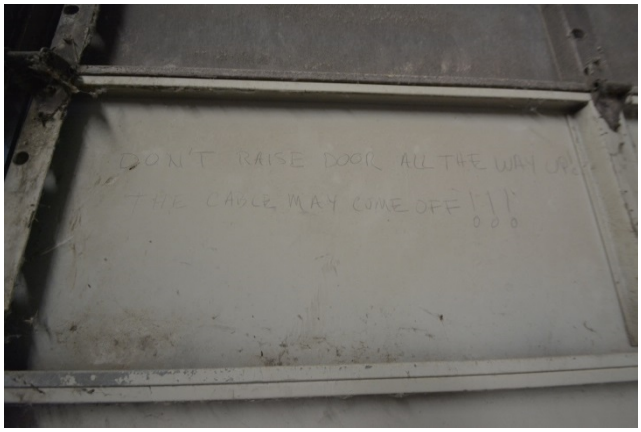
Front/South Elevation



West Elevation



Column/Base of Wall



Warning on Overhead Door



East Elevation



Clean-out Access



Interior Looking North



Incinerator Cells



Base of Wall Condition



Roof/Ceiling and Translucent Panels



East Exterior Door



Interior Room



Exterior Overhead Door



Entry – South Elevation

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1965	**Gross Area**	8,000 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group U – Utility and Miscellaneous		
Construction Type *(Chapter 6 IBC)*	Construction Type II-B		

Summary of Code Compliance/Life Safety

With none of the overhead or swing/personnel doors adequately operational, and a deteriorated building shell, this building is hazardous to maintain in its current state. **It is recommended that the building be demolished.** See Architectural report for additional description.

Summary of Accessibility/ADA Compliance

As an unoccupied structure, accessibility is not an issue with this building.

LEGEND

D	Deficient – Immediate Replacement	**CP**	Critical Priority – Replace in 1-2 years	**HP**	High Priority – Replace in 3-5 years	**F**	Fair – Replace in 6-10 years	**C**	Compliant/ Adequate	**N**	New	**NA**	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Egress and Safety	**D**		**CA1**	
Accessible Route	**NA**		**CA1**	
Doors	**D**		**CA1**	

NOTES:

CA1. Budget costs are not listed, since the building is recommended to be demolished.



Exterior



Interior

STRUCTURAL SYSTEM

Summary

The structure consists of steel roof deck over steel purlins and structural steel trusses supported by steel columns. Raised refractory floor is a grid work of steel framing over the combustion and blower rooms below. Building bears primarily on concrete foundations with the exception of the smokestack which is supported on wood piles.

The existing building is in a significant state of disrepair. At this time, the main structural framework of the building is still functioning adequately. However, with the current lack of weather tightness of the building envelope, additional deterioration of the roof decking, followed by the other structural members will continue to advance at an accelerated rate. **Based on its unused, unmaintained state, demolition of the building is the most logical solution at this time.** If the building remains unoccupied and is monitored annually for additional significant roof deck failures, the structural frame could possibly remain intact for a number of years.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1965 (G.B. Office of City Engineer)
Structure type				
Foundations	**C**			Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings. 140' masonry smokestack supported on wood piling.
Basement (Blower Room)	**C**			5" concrete slab on grade.
1st Floor	**C**		**S1.**	6" concrete slab on grade.
Raised Refractory Floor	**C**			Steel I-beam purlins and wide flange girders.
Roof	**F**		**S2.**	1 ½" A-22 steel roof deck over 8" wide flange purlins and 5' deep steel trusses supported on wide flange columns.
Occupancy Category	**NA**			Occupancy Category I (Unoccupied)
Construction Type	**NA**			Construction Type **II-B** (0 hour beams and columns, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**HP**			The building framework is in fair condition, although the building shell is in a significant state of disrepair. Annual monitoring of roof deck for failures is recommended in order to maintain structural integrity for a limited number of years.

NOTES:

S1. Minor shrinkage cracking of slab on grade. No remedial action recommended at this time.

S2. There is widespread corrosion of the steel roof deck and other structural members. However, (with the exception of a few localized roof deck failures) much of the corrosion is limited to the surface and to date; there has not been significant loss of section or structural integrity of the main structural members. No remedial action is recommended at this time.



Metal Wall Panel Failure



Corrosion of Structural System



Corrosion of Steel



Localized Roof Deck Failure

PLUMBING SYSTEMS

Summary

Incinerator building is in poor condition.
Any plumbing systems have since been removed. Building roof pitches to a gutter/scupper on the perimeter of the building. Downspouts on the building have been removed.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	NA			Removed/abandoned
Sanitary Piping Condition	NA			Removed/abandoned
Storm/Clearwater Roof System	F		P1	

NOTES:

P1. Metal frame building has a pitched roof, with gutters/scuppers on the roof edge. Building downspouts have been removed.



Building Edge/Scupper



Building Edge

HVAC SYSTEMS

Summary

There are no operational HVAC systems in this building. Equipment and material has been removed. Remnants of the systems include duct and combustion vents stub through the roof and the wall of the building. The building is abandoned therefore no HVAC system is required at this time.

ELECTRICAL SYSTEMS

Summary

The building reportedly has not been occupied for several years. It is abandoned.

The building is served by a 3-phase electrical service from a pole-mounted transformer setting located east of the building. The service enters the basement. The amperage rating of the service is unknown as the basement was not accessible for review. The electrical equipment accessible for review on the upper floor shows signs of corrosion.

There were no receptacles observed on the upper level. Lighting fixtures are for incandescent lamps but few if any had lamps installed.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Electrical Equipment	**HP**	**$500/visit**		Electrical equipment should be periodically checked to assure it is not a safety or fire hazard.
Emergency Power Distribution Equipment				
Branch Panels	**NA**			There are no emergency branch panels.
Lighting				
Interior	**HP**	**$1,500**		Install minimal quantity of LED fixtures so inspections of abandoned building may be conducted safely.



Service Entrance



Electrical Equipment on Upper Level

EVALUATION

OF

CITY-OWNED FACILITITES

EAST SIDE ELECTRICAL SHOP

August, 2015

MUNICIPAL GARAGES

SUMMARY

Date of Visit: July 1, 2015
Address: 1820 Mills Street

Building Description

The electrical shop was constructed in 1988. It consists of a vehicle storage and maintenance area with three overhead doors on the east side of the building, and office/mechanical/storage areas on the west side. Exterior walls are corrugated, insulated metal panel. Interior walls are concrete masonry units. There is a storage mezzanine over the office/mechanical/storage areas, which is accessed by an open, metal grate stair.

The men's locker and bathroom is original to the building. Original plans show a "future women's locker" room. This room is currently used for storage, but it also has within it, un-partitioned from the rest of the room, a functioning toilet and lavatory with mirror.

Code/Accessibility

Two legal means of egress are provided out of the building, in two different directions, per code. The one stair is to an open mezzanine. It is not required to be enclosed.

Recommend replacing the rusted sill at main entry for maintenance reasons and to provide better accessibility.

Recommend replacing knob hardware with lever style when updating building hardware.

Recommend investigating creating an accessible unisex toilet and shower room in the existing storage room where toilet and lavatory are located.

Structural System

The structure is a pre-engineered metal building consisting of structural steel rigid frames, z-purlins, and standing seam steel roof deck, supported by cast-in-place concrete foundations.

Plumbing Systems

The original piping is in fair condition, it can be replaced as needed when issues arise. Insulation has been installed for energy savings. A thermal mixing valve (TMV) and hot water recirculation pump (and piping) should be added to the system. These are code issues which need to be corrected.

Building is served by gutters and multiple downspouts.

Plumbing fixtures appear to be original 1988. Fixtures could be replaced with low-flow water conserving units as budget dictates. Women's toilet room is currently used for storage. Building utilities in general appear adequate.

This building is not equipped with an automatic fire sprinkler system.

HVAC Systems

The mechanical systems are, in general, original to the building construction with the exception of a few spot heating units that have been replaced or added to the office space for additional room comfort. A unit heater has also been replaced.

The vehicle storage area is used for storage as well as electrical repair work. The space is served by a couple of gas fired unit heaters, a radiant heater, and circulation fans. There is no exhaust or make-up air system in the storage area.

Electrical Systems

The building is served by a 400 Amp, 120/208 Volt, three phase electrical service. The panels are in good condition, and have capacity for the future.

The outlets within the garage are not all GFCI protected. Lighting fixtures are in good to fair condition and utilize T8 lamps and ballasts, and incandescent lamps. The facility should install occupancy sensors in offices, toilet rooms, and storage rooms. HID building mounted fixtures are in fair condition; consideration should be given to replacing the HID fixtures with more efficient and lower maintenance LED fixtures in the future.

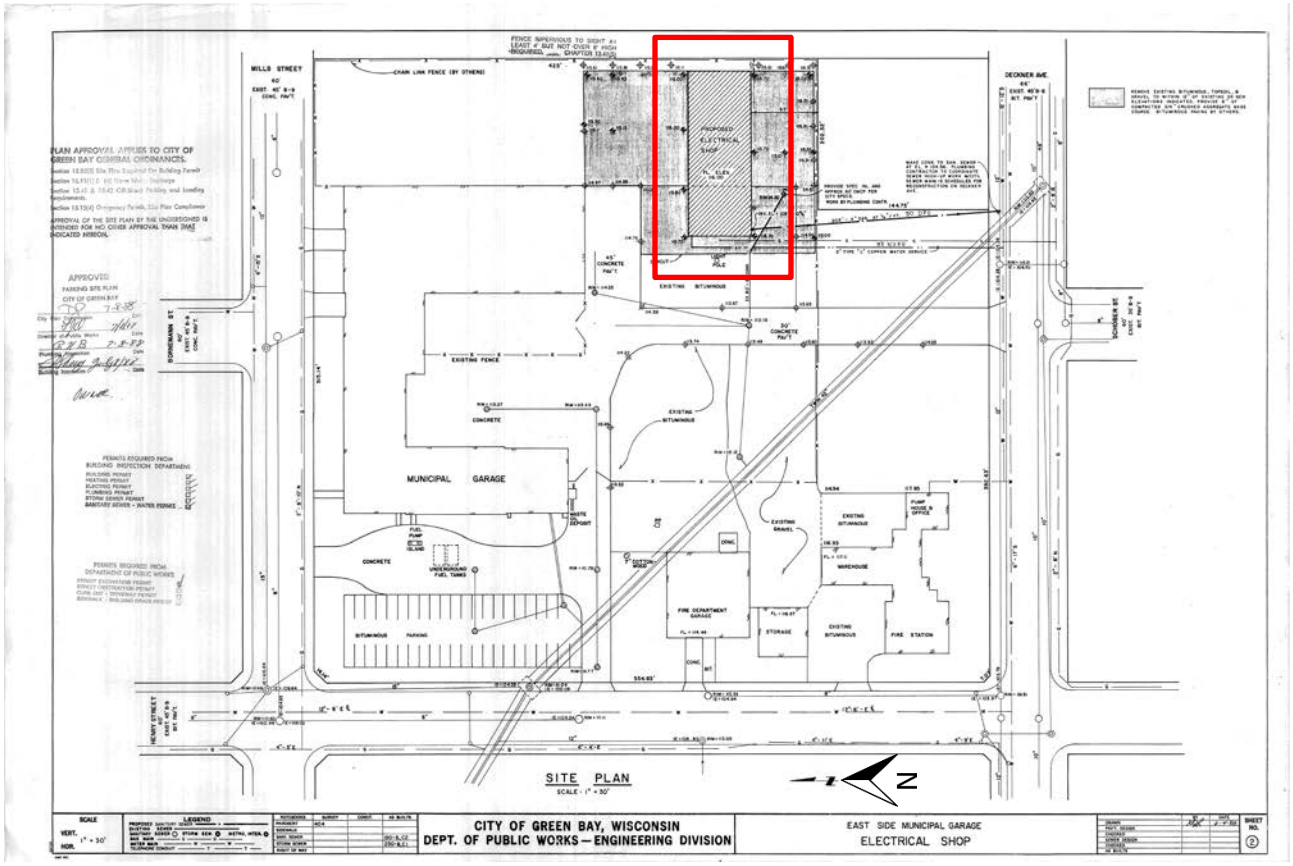
The server equipment is in good condition. The facility is pulling Cat 5 data and voice cabling.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

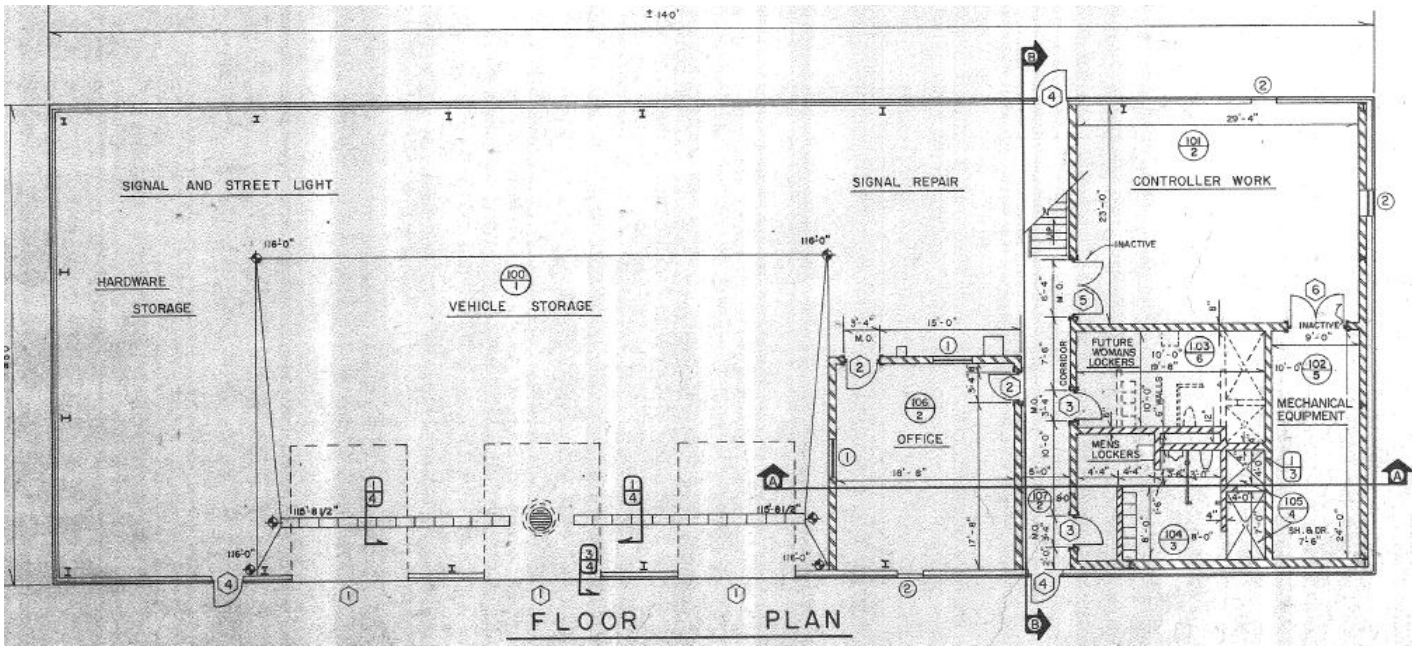
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural				**NA**
Code/ADA			Toilet	**$8,000 - $12,000**
Structural				**NA**
Fire Protection				**NA**
Plumbing	Recirculation Pump(s)			**$6,000**
	Thermal Mixing Valve (TMV)			**$4,000**
Plumbing Subtotal				**$10,000**
HVAC Systems			Furnace	**$6,000**
		Condensing Unit		**$3,000**
	Make-up Air Unit			**$40,000**
	Exhaust Fan			**$25,000**
HVAC Subtotal				**$74,000**
Electrical	Receptacles			**$1,000**
			Offices	**$500**
			Toilet Rooms/ Small Storage Rooms	**$500**
Electrical Subtotal				**$2,000**
Building Total				**$94,000- $98,000**

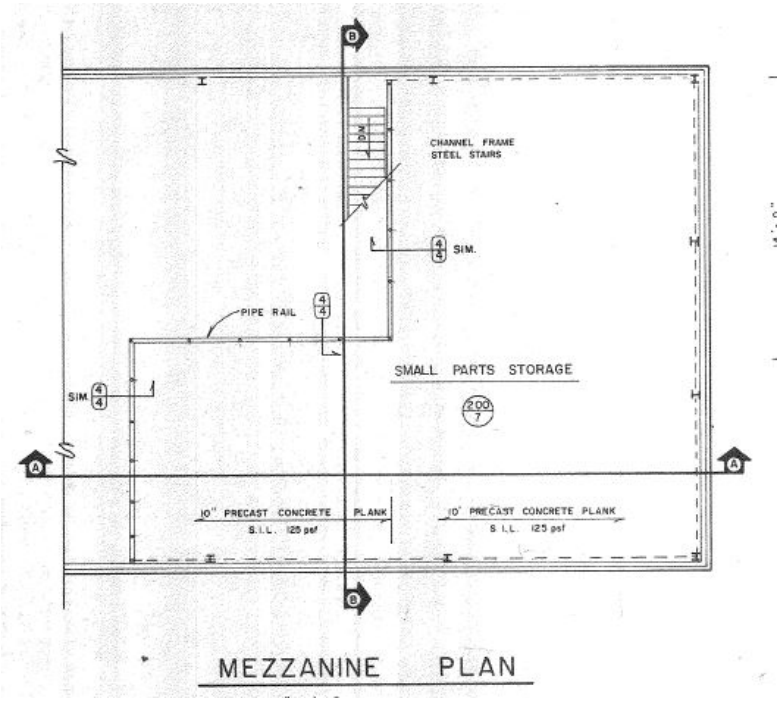


Site Plan



Aerial View of Site


SIGNAL AND STREET LIGHT
SIGNAL REPAIR
CONTROLLER WORK
HARDWARE
STORAGE
VEHICLE STORAGE
INACTIVE
FUTURE WOMANS LOCKERS
MECHANICAL EQUIPMENT
OFFICE
MENS LOCKERS
CORRIDOR
FLOOR PLAN


CHANNEL FRAME STEEL STAIRS
SIM.
PIPE RAIL
SMALL PARTS STORAGE
10" PRECAST CONCRETE PLANK
S.I.L. 125 psf
MEZZANINE PLAN

ARCHITECTURAL

Building Description

The electrical shop consists of a vehicle storage and maintenance area with three overhead doors on the east side of the building, and office/mechanical/storage areas on the west side. Interior walls are concrete masonry units. There is a storage mezzanine over the office/mechanical/storage areas, which is accessed by an open, metal grate stair.

The men's locker and bathroom is original to the building. Original plans show a "future women's locker" room. This room is currently used for storage, but it also has within it, un-partitioned from the rest of the room, a functioning toilet and lavatory with mirror.

Building Envelope

Exterior Walls

Corrugated, insulated metal panel. Dented in spots, aesthetic concern only.

Windows

Dark bronze anodized, fixed, aluminum windows. Sealants appeared generally in good condition. Continued maintenance and observation recommended.

Overhead sectional doors are insulated, seven panel, three-light type, appeared in good working condition, including operators.

Roof

Pitched, corrugated metal roof panel on steel frame. Appeared in good, working condition.

Interior Finishes

Floors

Vehicle work areas, mechanical and storage rooms have sealed concrete floors. Office areas and a portion of the entry corridor have composite tile flooring. The men's room, including the shower has 1" ceramic mosaic tile (2 colors, mixed) with a 4" glazed ceramic sanitary base.

A portion of the mezzanine has open metal grating. The majority is poured concrete surface.

Walls

The majority of interior walls are painted concrete masonry units. The men's shower and drying area has 4 ¼"x4 ½" glazed ceramic tile, full height.

Doors

Exterior doors are insulated hollow metal with a narrow light. Overhead garage doors are metal with three small lights across one of the panels.

Interior doors are painted hollow metal. Office doors have a narrow light.

Ceilings

Office rooms have 2'x2' acoustic panels on non-recessed ceiling grid. A similar ceiling is in the entry corridor. The combination storage room/toilet room has no finished ceiling. Exposed structure at vehicle bay is painted.

Casework

Office casework is wood construction, probably original to the building. Plastic laminate tops are showing wear. Additional tables, metal file cabinets/drawers and shelving are used as well.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	F		A1	
Exterior Facade Condition	F			
Exterior Door Condition	F		A2	
Window Condition	C			
Interior Finishes				
Floors	F		A3	
Walls	C			
Doors	C			
Ceilings	C			
Casework	F		A4	

NOTES:

A1. Entry door is rusting at bottom. A different/larger threshold would provide better moisture protection to interior floor finish.

A2. Composite tiles at entry are cracked and damaged. Recommend selective replacement if door threshold is replaced.

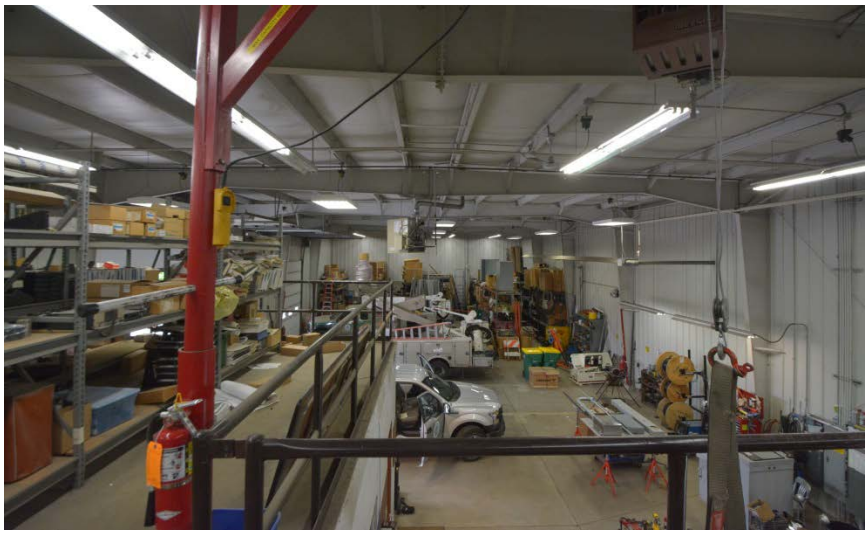
A3. Wood casework is dated but serviceable. Plastic laminate tops are showing wear, and could be replaced sooner.



North Elevation



South Elevation



Vehicle Storage and Work Area



Exterior Wall Sill Condition



Sill at Entry

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1988	**Gross Area**	7,500 SF
Occupancy Classification *(Chapter 3 of IBC)*	The Building Code for the State of Wisconsin at the time would have placed this building in Office, Factory, and Mercantile occupancy. The current occupancy classification would be **S-1 Storage** with **B Business** as an accessory occupancy.		
Construction Type *(Chapter 6 IBC)*	The classes of construction at the time would have probably been Type 6, Metal Frame, Unprotected. The building's materials would place it equivalent **to Type II-B** in the 2009 IBC.		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

Egress and Safety

Two legal means of egress are provided out of the building, in two different directions, per code.

Stair Shafts

The one stair is to an open mezzanine. It is not required to be enclosed.

Handrails and Guardrails

Handrail at the stair is at 33" above the stair nosing, which is code compliant. The guard rail is at 42" above the mezzanine floor, which is also code compliant. Openings in guards and handrails are in compliance with IBC 1013.3, exception 4.

Summary of Accessibility/ADA Compliance

Accessible Route

Entry to the building is at grade. The sill sits slightly above the exterior asphalt paving, and there is no stoop, which makes the threshold higher than the ¾" allowable by accessibility codes. This was compliant at the time it was built. Since the sill is rusting, replacement of the sill for maintenance reasons could also provide better accessibility.

Doors

The building has a combination of push/pull hardware and knob handles. Knobs are not accessible, and not as easy/fast to use as lever handles.

Plumbing Fixtures

The shower in the Men's room has a 4" tiled lip entry, which is non-accessible. However, a shower would not be considered required for this occupancy, nor would it be considered part of the "accessible route". ADA would call for equal amenities to be provided for staff requiring accessibility.

The toilet in the Men's room is not accessible, but the urinal is, with the exception that the route to the toilet would pass through its clear floor area. The lavatory in the Men's room is compliant in height, and has lever handles for accessibility.

The lavatory in the storage room is also at compliant height with lever handles. The toilet has a single grab bar on the wall behind it, but it is neither in a toilet stall nor in a corner; thus the toilet is not considered accessible.

A drinking fountain is available, but stored items and trash containers are partially blocking access to it.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Egress and Safety	C			
Stair Shafts	C			
Handrails/Guardrails	C			
Accessibility				
Accessible Route	F		CA1	
Doors	C F	$400 per door	CA2	
Plumbing Fixtures				
Shower	F	$8,000 - $12,000	CA3	
Toilet	HP	$8,000 - $12,000	CA3	Creating 1 accessible toilet room is recommended.
Lavatory	C		CA4	
Drinking Fountain	C		CA5	

NOTES:

CA1. Recommend replacing the rusted sill at main entry for maintenance reasons and to provide better accessibility.

CA2. Recommend replacing knob hardware with lever style when updating building hardware.

CA3. Recommend investigating creating an accessible unisex toilet and shower room in the existing storage room where toilet and lavatory are located.

CA4. Current lavatories are compliant. Relocation of fixture may be required if creating a new accessible toilet room.

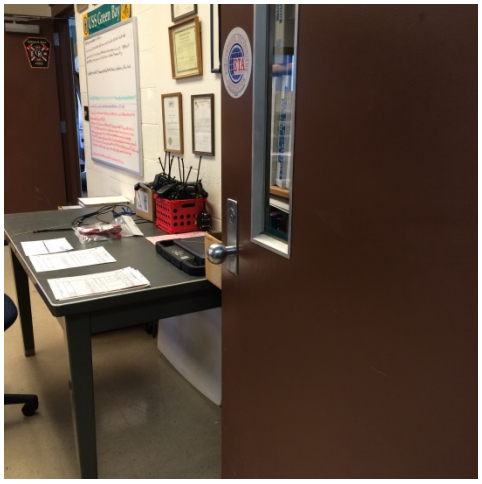
CA5. Clear movable items away from clear floor space for drinking fountain.



Sill at Entry



Openings at Guard Rails



Knob Hardware, Typical at Interior



Lever Hardware at Exterior Door



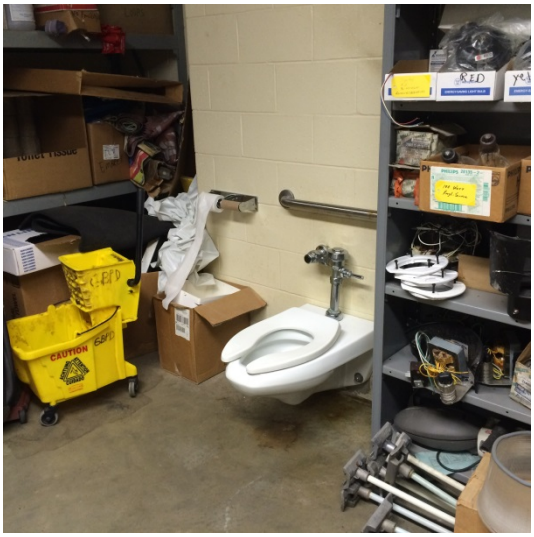
Non-accessible Men's Toilet



Lavatory at Men's Room



Lavatory in Storage Room



Toilet in Storage Room



Drinking Fountain

STRUCTURAL SYSTEM

Summary

The structure is a pre-engineered metal building consisting of structural steel rigid frames, z-purlins, and standing seam steel roof deck, supported by cast-in-place concrete foundations.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1988 (G.B. DPW - Engineering)
Structure type				
Foundations	C			Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings.
1st Floor	C		S1	7" concrete slab on grade with 4x4 welded wire mesh reinforcing.
Mezzanine	C		S2	10" precast prestressed concrete plank with no topping, over load-bearing masonry walls.
Roof	C			Standing seam steel roof deck over z-purlins supported by structural steel rigid frames.
Occupancy Category	NA			Occupancy Category II
Construction Type	NA			Construction Type **II-B** (0 hour beams and columns, 0 hour roof)
Vertical Expandability	NA			None.
Typical Column Spacing	NA			
Overall Structural Condition	C			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. Minor shrinkage cracking of slab on grade. No remedial action recommended at this time.

S2. Minor shrinkage cracking of masonry wall below mezzanine. No remedial action recommended at this time.



Concrete Slab Crack at Door



Masonry Wall Crack below Mezzanine

PLUMBING SYSTEMS

Summary

East Side Electrical shop was constructed in approximately 1988. The original piping is in fair condition, it can be replaced as needed when issues arise. Insulation has been installed for energy savings. A thermal mixing valve (TMV) and hot water recirculation pump (and piping) should be added to the system. These are code issues which need to be corrected.

Building is served by gutters and multiple downspouts.

Plumbing fixtures appear to be original 1988. Fixtures could be replaced with low-flow water conserving units as budget dictates. Women's toilet room is currently used for storage. Building utilities in general appear adequate.

This building is not equipped with an automatic fire sprinkler system.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	PVC & cast iron
Storm/Clearwater Piping	F		P3	Cast iron
Valves	F		P4	Gate & ball
Domestic Water Service	C		P5	2" main
Insulation	F		P6	fiberglass insulation
Code Issues	D	See below	P7	Add TMV, recirculation pump
Equipment				
Domestic Water Heater	F		P8	Gas fired, installed 2005
Drench Shower Station	NA			
Recirculation Pump(s)	D	$6,000	P9	Add pump (code issue)
Water Softener	NA			No water softener installed
Thermal Mixing Valve (TMV)	D	$4,000	P10	Add TMV (code issue)
Grease Interceptor	NA			
Kitchen Equipment	NA			
Plumbing Fixtures	F		P11	
Oxygen Storage	NA			
Backflow Prevention	C		P12	Hose end VB

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
"Shop" Air Compressor	F		P13	Quincy QE-5
Laundry Equipment	NA			
Drain Tile Sump/Pump	NA			
Ambulance Garage	F		P14	Trench drain, garage catch basin
Exterior				
Storm Drainage, Roof Drainage	F		P15	Discharge to grade
Lawn Irrigation	NA			
Utilities	F		P16	2" Water main, 6" Sanitary

NOTES:

P1. Water piping is mainly copper, soldered joints. Fair condition. Majority of the piping is insulated, with glass fiber.

P2. Original sanitary is cast iron, no-hub connection(s).

P3. Roof is picked up by gutter and downspout(s). Downspouts discharge to grade.

P4. Original valves are ball valves. There are minimal valves in the HCW system for shutdowns/isolation.

P5. Building is served by a 2" water main. 2" water meter with 3-valved by-pass in the mechanical equipment room.

P6. Water piping is insulated with glass fiber. Insulation is missing in a few areas.

P7. Code issues: water temperature is set higher than 110° Fahrenheit. No thermostatic mixing valve (TMV) at the heater. Add TMV per code. No recirculating pump at heater. Add recirculating pump. Hot water piping length exceeds 100'-0" per code.

P8. Water heater is gas fired, direct vent to exterior, State select, 50 gallon, 38,000 BTU. Hot/cold water connection at the heater is 1". Ball valves installed at heater.

P9. Install hot water recirculation pump and timer. Length of hot water piping exceeds 100'-0" per code.

P10. Add TMV to water heater. Set hot water temperature to 110° Fahrenheit. Code issue.

P11. Plumbing fixtures: No ADA handicap fixtures in the building. Water closets are vitreous, wall-hung with flush valve. Lavatories are vitreous, wall-hung with gooseneck faucet-wrist blade control. Urinal is wall-hung with flush valve, rim at approximately 24" aff. Men's toilet room has a built-up shower unit. Floor drain in toilet room. Service sink and electric water cooler installed in the vehicle storage area.

P12. Service sink in the garage has an elevated atmospheric vacuum breaker installed. Hose bib with hose connection end has a threaded vacuum breaker installed. All backflow prevention is compliant.

P13. Quincy QE-5, 5hp, horizontal 80 gallon tank serve the air outlets in vehicle storage/garage.

P14. Vehicle Storage/Garage: trench drains which discharge to a garage catch basin.

P15. Building has a perimeter gutter system which discharges to grade with multiple downspouts.

P16. Building is served from a 2" water main. The main is supplied from Deckner Avenue. Sanitary sewer is 6". Main routes south to Deckner Avenue. Grade around the building is pitched to interior parking lot catch basin(s).



Hot/Cold Water Piping



CI Vent Piping



Water, Vent Piping



Water Meter with Bypass



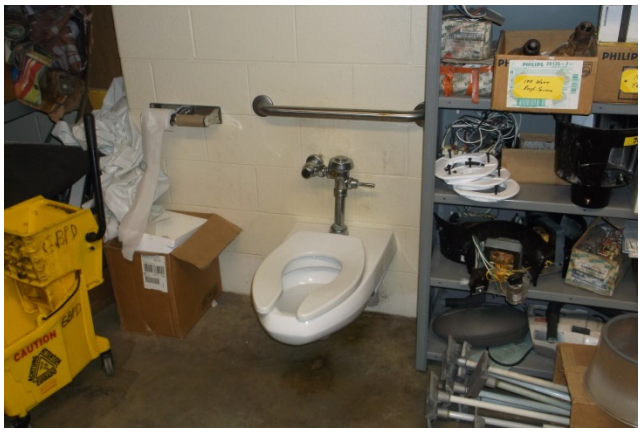
Water Heater



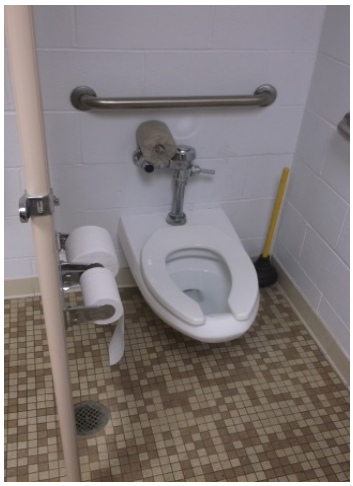
"Shop" Air Piping



"Shop" Air Compressor



Women's Water Closet



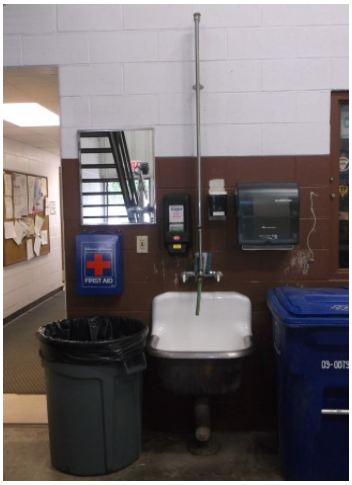
Water Closet – Men's



Lavatory and Urinal – Men's



Shower



Janitor's Sink



Electric Water Cooler



Hose Connection with Vacuum Breaker



Trench Drain, Garage Catch Basin



Gutter/Downspout

HVAC SYSTEMS

Summary

The pre-engineered building was constructed in 1988, with vehicle storage, office, locker room and controller spaces. The systems are, in general, original to the building construction with the exception of a few spot heating units that have been replaced or added to the office space for additional room comfort. A unit heater has also been replaced.

The vehicle storage area is used for storage as well as electrical repair work. The space is served by a couple of gas fired unit heaters, a radiant heater, and circulation fans. There is no exhaust or make-up air system in the storage area.

The office, locker room and controller space is served by a residential style furnace with split system A/C unit. There is an outside air connection. The thermostat for the furnace control is located in the controller room. Thermostats located in the office and other ancillary spaces control additional radiation devices.

The locker room exhaust is served by a cabinet fan.

The controls are low and line voltage electric. The air compressor appears to be used for shop air only.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Residential Style Furnaces			**H1**	Lennox Pulse, 60,000 BTUH.
Furnace	**HP**	$6,000	**H1**	Exact age is unknown. HP indicated to allow future budgeting and possible replacement with condensing unit.
Condensing Unit	**CP**	$3,000	**H1**	Housing is covered in rust. Exact age unknown, possibly original.
Air intake	**C**			
Filters	**C**			1" filter
Controls	**C**			Single zone, low voltage.
Ductwork	**C**			
Insulation	**C**			
Exhaust Fan				
Locker Rooms	**C**		**H2**	Cabinet Fan. 800 CFM
Ductwork	**C**			
Garage Ventilation			**H3**	
Gas Fired Heat	**C**			(3) 60MBH heaters. One unit replaced. (1) 60 MBH radiant heater.
Make-up Air Unit	**D**	$40,000	**H3**	No make-up or exhaust air. Gas fired heaters for room heat only.
Exhaust Fan	**D**	$25,000	**H3**	

NOTES:

H1. A residential, sealed combustion, style furnace serves the controller room, office, and locker rooms. The unit is controlled from a single thermostat located in the controller office. There is an outside air connection to the furnace to ventilate the occupied offices.

The unit's age could not be verified from an initial visual inspection but the furnace appeared to be in good physical condition while the condensing unit is rusted and is in modest physical condition. This type of equipment will have an expected useful life of 20 years. The HP furnace grade and CP condenser grade are based on physical condition. However, the majority of the devices that are most likely to fail on these units (fan motor, compressor, and heat exchanger) will have a failure of an internal component that cannot be easily visually inspected. Residential style equipment failure is difficult to predict. A major component such as the compressor may fail in a week or in a few years. Because these components or the entire unit can be replaced in a day or two it is not recommended to replace these units at this time, but rather replace the units upon their failure.

H2. A cabinet fan serving the locker room/toilet room exhaust requirements appears to be in good physical condition. No recommendations at this time.

H3. The vehicle storage area is utilized for equipment storage as well as vehicle electrical repair and storage. Vehicle storage areas that are smaller than 850 square feet and house less than 5 vehicles do not require

mechanical exhaust systems. Although this building typically stores less than 5 vehicles, the storage area is larger than 850 square feet. An exhaust system and make-up air system is required to properly ventilate this space.

An enclosed garage has specific exhaust code requirements and the garage is required to have a negative pressure in relation to the other occupied spaces. A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. A garage exhaust fan project to install new make-up fan, exhaust fan and control systems is necessary to improve garage ventilation and occupant safety.



Furnace



Condenser



Supply Ductwork (Insulation)



Gas Fired Unit Heater



Gas Fired Unit Heater



Radiant Heater



Return/Exhaust Grille (Typical)



Supply Grille (Typical)



Furnace Thermostat



Office Thermostat



Combustion Exhaust Vent



Exhaust Louver



Intake Louver



Shop Air Compressor



Gas Meter

ELECTRICAL SYSTEMS

Summary

The building is served by a 400 Amp, 120/208 Volt, three phase electrical service. The panels are in good condition, and have capacity for the future.

The outlets within the garage are not all GFCI protected. Lighting fixtures are in good to fair condition and utilize T8 lamps and ballasts, and incandescent lamps. The facility should install occupancy sensors in offices, toilet rooms, and storage rooms. HID building mounted fixtures are in fair condition; consideration should be given to replacing the HID fixtures with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition. The facility is pulling Cat 5 data and voice cabling.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Electrical Service				
Utility Service Entrance	C			400 Amp underground electrical utility service enters the building in the mechanical equipment room.
Normal Power Distribution Equipment				
Disconnect	C			400 Amp Westinghouse disconnect.
Branch Panels	C			Two Westinghouse panels, in fair condition with some spare capacity.
Power				
Receptacles	D	**$1,000**	E1	Garage outlets need to be GFCI.
Lighting				
Garage	C			Industrial fixtures with T-8 lamps and HID wall packs in good condition.
Office Spaces, Conference Rooms, and Corridors	C		E2	Recessed acrylic lens troffers with T-8 lamps and incandescent track lighting in good condition.
Toilet Rooms	C			Recessed troffers and surface mounted wraps, in good condition.
Mechanical Spaces, Storage Rooms, Utility Areas	C			Industrial strips and surface mounted wraps with T-8 lamps, in good condition.
Exterior	F	**$1,500**	E3	HID wall packs in fair condition.
Lighting Controls				
Offices	HP	**$500**	E4	Add occupancy sensors

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Toilet Rooms/ Small Storage Rooms	**HP**	**$500**	E4	Add occupancy sensors
Emergency Egress Lighting and Exit Signs				
Corridors	**C**			Battery emergency fixtures.
Exit Signs	**C**			LED type in good condition, some with integral emergency lights.
Telecommunications				
Data/Voice	**C**			Data server equipment in good condition with Cat 5 cabling.

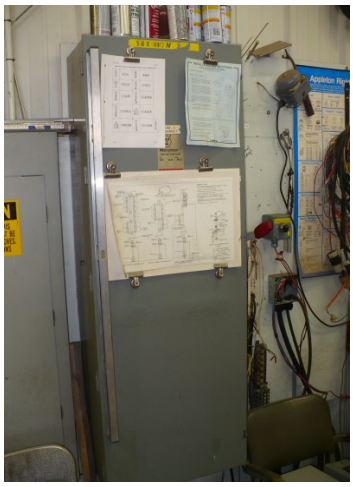
NOTES:

E1. Some of the outlets were GFCI type, the remaining outlets in the garage area should be replaced with GFCI type.

E2. Replace incandescent lamps with compact fluorescent or LED type for energy savings.

E3. Consider replacing all HID fixtures with more efficient LED in the future.

E4. Occupancy sensors should be installed in the offices, toilet rooms, and storage rooms to provide additional energy savings. If areas are renovated, controls will be required to be updated to meet current energy code.



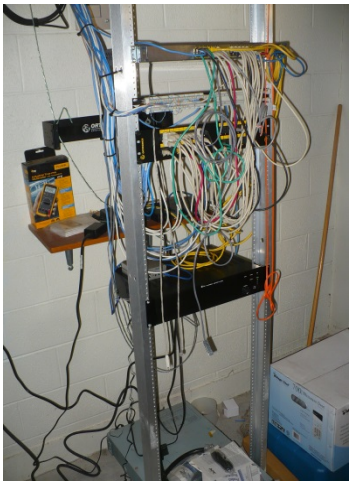
400 Amp Disconnect



Branch Panel



Branch Panel



Data Rack



Fiber Entrance



Toilet Room Lighting



Office Lighting



Office Lighting



Garage Outlets



Lighting Contactor Box



HID Garage Fixture



Exterior HID Wallpacks



Exit Sign



Garage Lighting

EVALUATION

OF

CITY-OWNED FACILITITES

EAST SIDE MUNICIPAL GARAGE

August, 2015

MUNICIPAL GARAGES

SUMMARY

Date of Visit: July 1, 2015
Address: 1820 Mills Street

Building Description

The East Side Garage was constructed in approximately 1967, with remodeling in 1977 and 1983. The building consists of a small vehicle garage and office in the L-shaped original brick building. The 1977 addition formed an open courtyard by adding a break room and shop space, along with a large vehicle storage area.

Both original building and addition are constructed of modular face brick with limestone window sills. Corrugated metal head is used over large overhead door openings of addition, and at top of wall at the original building's garage wing. Some tuck-pointing required on the mortar joints on the street-side of the original building. Steel lintels rusting at spots and need paint/cleaning.

The various roof areas are all covered with a fully adhered EPDM roofing membrane. The oldest appeared to be the garage portions of the original building. Tenting, ponding and separating seams are prevalent throughout, especially the older areas. Staff commented on leaking during rainstorms, but no obvious failure was observed. Portions of the various roofs appear to have a minimal pitch to the drainage design.

Code/Accessibility

Two legal means of egress are available from all portions of the building. Clear egress corridors are available. The building is on-grade, with no basement or stair shafts. The only stairs are to an open mezzanine within the large vehicle storage area. A 1-hour rated room should be provided for storage of gas cylinders which are located throughout the facility.

Entry to the building is at grade. There is no accessible parking stall designated for the building.
The Men's and Women's toilet rooms are not accessible in the following ways:

- There is no accessible toilet stall
- The Women's room does not have turning space within the room.
- Showers have a 4" sill at entry.

Structural System

The structure consists primarily of steel roof deck over open web steel joists supported by a combination of structural steel framing and load-bearing masonry, all bearing on cast-in-place foundations.

Plumbing Systems

The original piping is in poor/fair condition. It could be replaced as needed when issues arise. Glass fiber insulation is installed on most of the water piping. Insulation from original 1967 construction probably contains asbestos and will require abatement. A thermal mixing valve (TMV) and hot water recirculation pump (and piping) should be added to the system. These are code issues which need to be corrected. The service faucet(s) in the garage require hose end vacuum breakers installed. Gas cylinders should be stored in a one-hour rated room per code.

Building is served by interior 4" roof drains. Roof edge serves as the secondary roof drainage.

Plumbing fixtures are older, and could be replaced with water conserving, low flow units. Eyewashes installed on the faucets are not considered compliant. Building utilities in general appear adequate.

HVAC Systems

The make-up air units appear to be original to the 1967 original construction project. The majority of the equipment in the 1977 office/locker room/ storage garage addition is original.

The 1977 addition installed a hot water boiler system consisting of two 1,080,000 BTU boilers, which now operate only on natural gas. Maintenance staff has indicated that the boiler combustion air dampers have failed and temporary repairs are planned.

The repair garage and storage garage are served by make-up air units equipped with hot water heating coils. These systems are in general, well past their expected useful life. The maintenance staff has indicated that some of the air unit components have failed and repairs are needed to maintain space temperature prior to the 2015/2016 heating season.

The building's control system is antiquated DOS based controls which operate pneumatic actuators on the make-up air units and heating units. Staff has indicated the pneumatic air lines leak badly and the system components are beginning to fail.

Electrical Systems

The building is served by a 400 Amp, 120/208 Volt, three phase electrical service. The panels are in good condition, and have capacity for the future.

The outlets within the garage and exterior outlets are not GFCI protected. Exterior outlets do not have weatherproof while-in-use covers. Lighting fixtures are in good to fair condition and utilize T8 lamps and ballasts. Some fixtures have broken or missing lenses and should be repaired or replaced. The facility should install occupancy sensors in offices, toilet rooms, and storage rooms. HID building mounted fixtures are in fair condition; consideration should be given to replacing the HID fixtures with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition. The facility is pulling Cat 5 data and voice cabling.

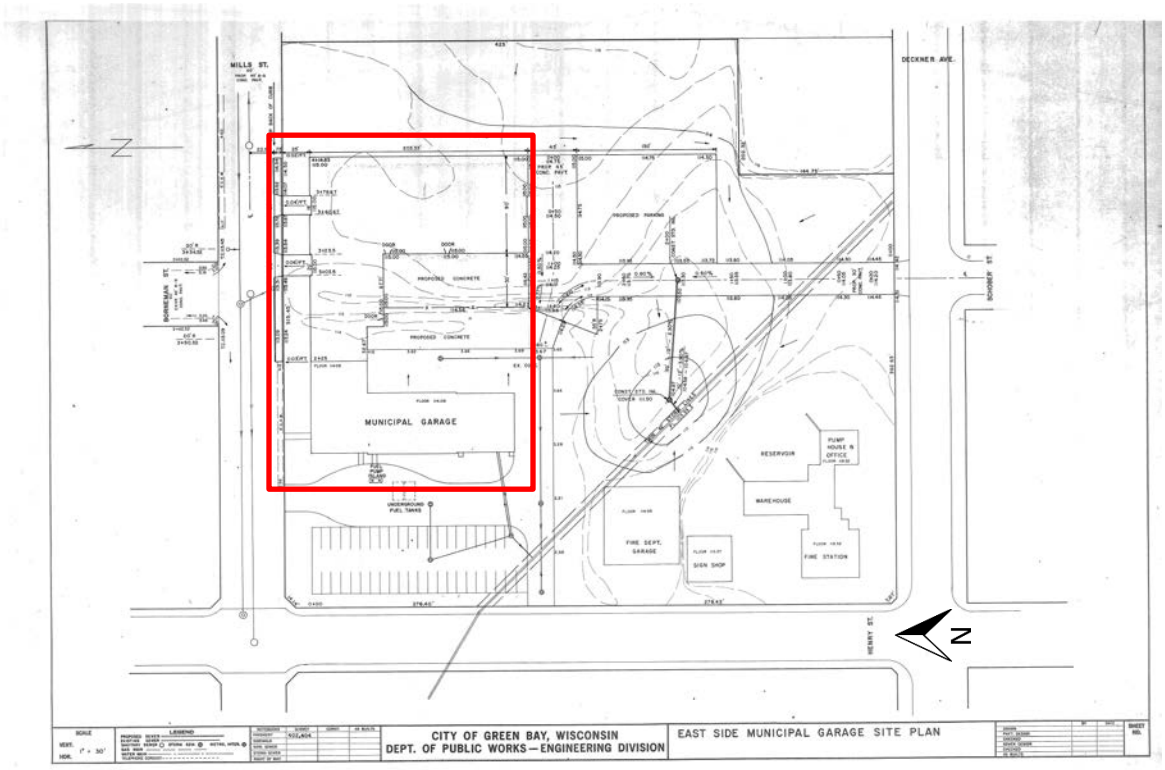
Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural		Roof condition	Roof condition	**$210,000**
Code/ADA			Gas cylinder room	**$12,000**
			Accessible toilet	**$12,000**
			Accessible shower	**$12,000**
Code Subtotal				**$246,000**
Structural				**NA**
Fire Protection				**NA**
Plumbing			Insulation	**$15,000**
	Code Issues			
	Recirculation Pump(s)			**$6,000**
	Thermal Mixing Valve (TMV)			**$10,000**
	Backflow Prevention			**$500**
Plumbing Subtotal				**$31,500**
HVAC Systems		Unit Ventilators		**$150,000**

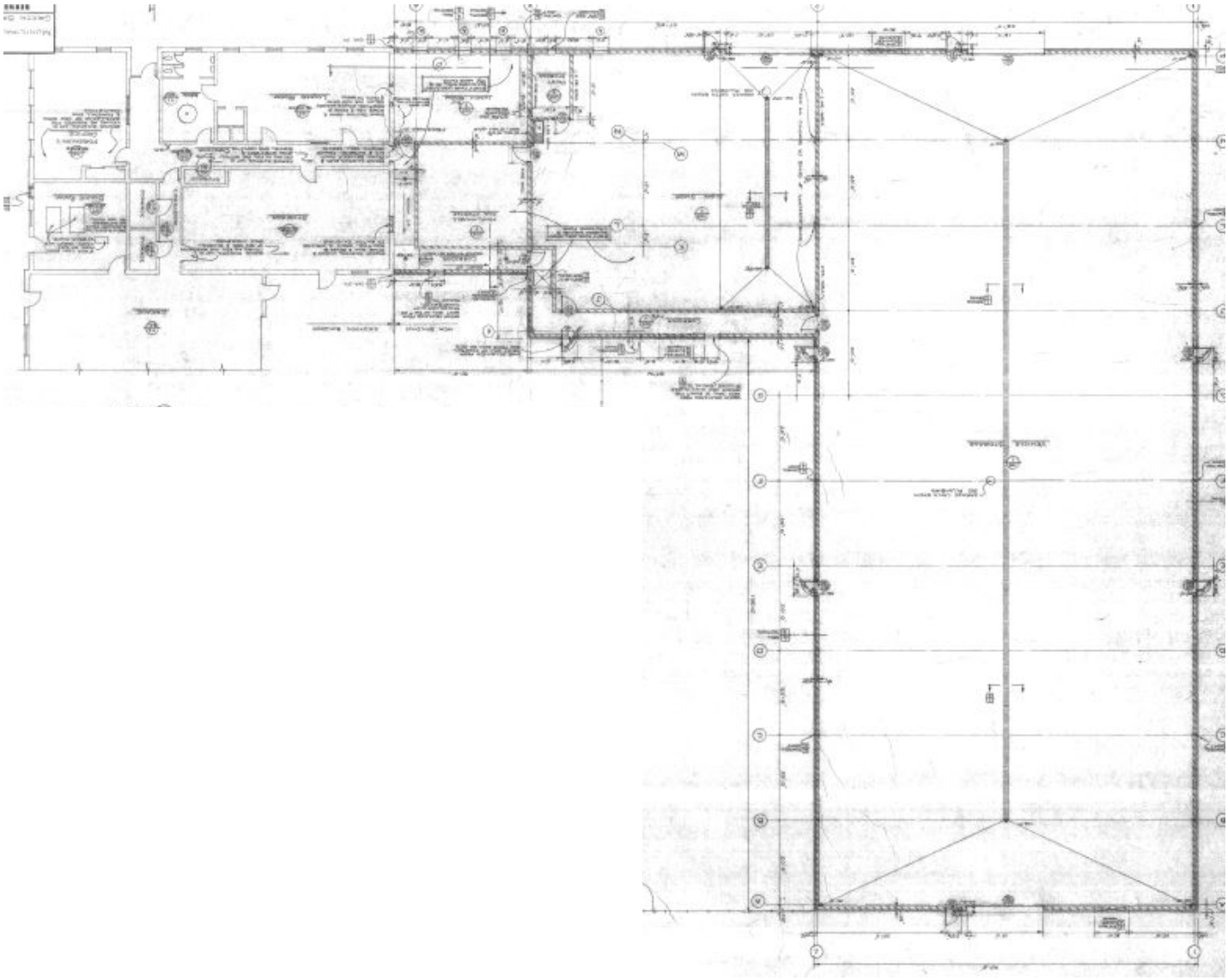
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
			Insulation	**$3,000**
		Ductwork		**$20,000**
		Boilers		**$180,000**
		Pumps		**$10,000**
			Pipe Insulation	**$4,000**
		Room Terminal Units		**$20,000**
	Mechanical Room Ventilation			**$8,000**
		Building Management		**$100,000**
		Make-up Air Unit		**$600,000**
		Exhaust		**$100,000**
		Control		**$50,000**
		Sign Room Ventilation		**$150,000**
HVAC Subtotal				**$1,395,000**
Electrical	Receptacles			**$5,000**
			Offices	**$1,500**
			Toilet Rooms/ Small Storage Rooms	**$1,000**
Electrical Subtotal				**$7,500**
Building Total				**$1,680,000**



Site Plan



Aerial View of Site



Partial Floor Plan

ARCHITECTURAL

Building Description

The building consists of a small vehicle garage and office in the L-shaped original brick building. An addition in 1977 formed an open courtyard by adding a break room and shop space, along with a large vehicle storage area. The north end of the vehicle storage area has mezzanines on either side of the centered overhead door; one is metal deck and concrete floor, the other is wood frame construction.

A fire rated room within the sign shop stores hazardous materials (roadway paints). Wood framing with wire mesh forms caged areas and an exit path through a storage room to one of the exterior doors.

Building Envelope

Exterior Walls

Both original building and addition are constructed of modular face brick with limestone window sills. Corrugated metal head is used over large overhead door openings of addition, and at top of wall at the original building's garage wing. Some tuck pointing required on the mortar joints on the street-side of the original building.

Windows

Original, clear anodized aluminum windows are operable, showing their age. Spandrel and diffusing panels made of aging fiberglass throughout. Some openings of the original building have been replaced with operable vinyl framed windows. Sealant joints at perimeter of windows appear in good working order and continued maintenance and observations are recommended. Steel lintels rusting at spots and need paint/cleaning. Overhead sectional doors are throughout the facility in a variety of dimensions and configurations.

Roof

The various roof areas are all covered with a fully adhered EPDM roofing membrane. The oldest appeared to be the garage portions of the original building. Tenting, ponding and separating seams are prevalent throughout, especially the older areas. Staff commented on leaking during rainstorms, but no obvious failure was observed. Portions of the various roofs appear to have a minimal pitch to the drainage design.

Interior Finishes

Floors

Garage and shop floors are sealed concrete. Corridor, break room and locker room/Men's room have terrazzo floors. Women's locker room/toilet room and the office area have composite tile floor. 1" ceramic mosaic tile is used at the Women's shower, Men's urinals, and drying area outside of Men's showers. The Men's showers themselves have concrete floor.

There is an office within one of the storage rooms that has a painted concrete floor. Paint is peeling off in wear areas.

Walls

The majority of walls are painted concrete block. Toilet and shower rooms have glazed masonry units. The Women's shower, which was a later remodeling, has 4 ¼" ceramic tiles on the walls.

Doors

Interior doors are a mix of flush wood and hollow metal doors. Doors into office and break room areas have half lights.

Ceilings

Most occupied areas have 2'x2' flat acoustic panel ceilings. The break room has flat 2'x4' panels. The sign shop has 2'x4' panels with a tegular edge, and a recessed center line to simulate 2'x2' panels. The tegular edge panels are noticeably sagging throughout the room.

Casework

The sign shop casework is older wood construction with plastic laminate counters. Built-in desks at the office are plastic laminate faced cases and tops.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	CP HP	$210,000	A1	Based on $15 per sq. ft.
Exterior Facade Condition	F	$5,000	A2	
Exterior Door Condition	F			
Window Condition	C			
Interiors				
Floors	C F		A3	
Walls	C			
Doors	F			
Ceilings	F		A4	
Casework	F			

NOTES:

A1. Budget cost for original building only. Excludes 70s addition.

A2. Tuck-pointing and masonry repair at north elevation of original building.

A3. Repaint floor of office within storage area, if still in use.

A4. Recommend replacing sagging ceiling panels at sign shop.



North Elevation



West Elevation



Partial East Elevation



South Elevation at Open Courtyard



West Elevation Facing Courtyard



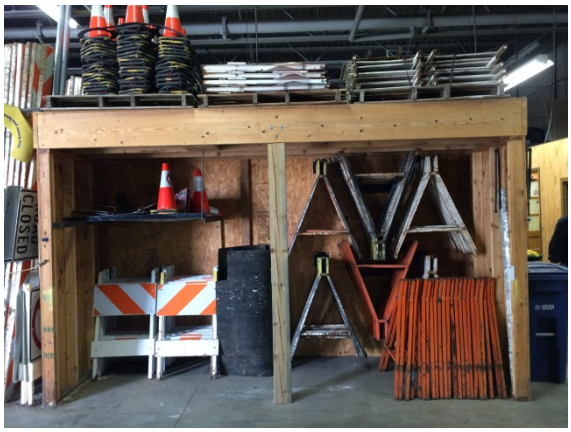
Roof Areas



Vehicle Storage Area



Mezzanine at Large Vehicle Area



Wood Framed Storage Mezzanine



Sagging Ceiling Panel at Sign Shop Office



Men's Room



Wood and Wire Cage Storage



Office



Men's Locker Room



Painted Concrete Floor



Women's Shower Area

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Original 1967; addition 1977; remodeling 1983	**Gross Area**	25,000 SF
Occupancy Classification *(Chapter 3 of IBC)*	The WI building code at the time of construction and additions would have placed the building under Factory, Office, Mercantile occupancy category. Current code would place it under **S-2 Low Hazard Storage**. Other separated occupancies within the building include: **S-1 Moderate Hazard Storage**, and **B Business**		
Construction Type *(Chapter 6 IBC)*	Class of construction when built would have probably been **Exterior Masonry, Unprotected (5B)** Current construction type would be **Type II-B** in the 2009 IBC.		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

Egress and Safety

Two legal means of egress are available from all portions of the building. Clear egress corridors are available.

Stair Shafts

The building is on-grade, with no basement or stair shafts. The only stairs are to an open mezzanine within the large vehicle storage area.

Handrails and Guardrails

Hand and guard rails at the stair to the mezzanine are in compliance with IBC 1013.3, exception 4. A center portion of the guard rail is movable, allowing crane/forklift access to the mezzanine.

Miscellaneous

A 1-hour rated room should be provided for storage of gas cylinders which are located throughout the facility.

Summary of Accessibility/ADA Compliance

Accessible Route

Entry to the building is at grade. There is no accessible parking stall designated for the building.

Doors

Most of the building's door hardware has been upgraded to lever style, which is accessible. A few doors have knob style hardware. All doors are of compliant clear opening width, providing accessibility to all rooms.

Plumbing Fixtures
The Men's and Women's toilet rooms are not accessible in the following ways:

- There is no accessible toilet stall in Men's or Women's.
- The women's room does not have turning space within the room.
- Showers have a 4" sill at entry.
- Men's toilet room does not have turning space within the room.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Egress and Safety	C			
Stair Shafts	C			
Handrails/Guardrails	F			
Miscellaneous Items	HP	$10,000-$12,000	CA1	
Accessibility Features				
Accessible Route	F	$1,000-$2,000	CA2	
Doors	C F		CA3	Estimate of $400/door to upgrade to lever hardware
Plumbing Fixtures				
Accessible Toilet	HP	$8,000 - $12,000	CA3	Creating 1 accessible toilet is recommended.
Accessible Showers	HP	$8,000 - $12,000	CA4	

NOTES:

CA1. Gas cylinders are wall mounted throughout the facility. They are required to be stored in a 1-hour rated room. Cost is an estimate to provide one such room. (Design fee not included.)

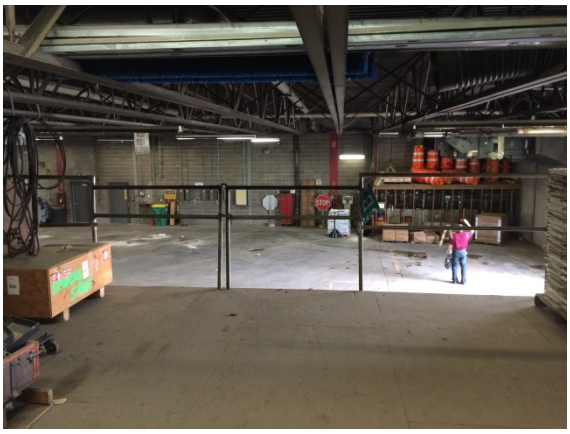
CA2. Cost estimate reflects painting of designated accessible parking and post-mounted signage.

CA3. Lever handles would comply with accessibility codes and facilitate ease of use. Lever handles are code requirement for any new or renovated work.

CA4. ADA requires equal accommodations to what is provided elsewhere in the facility, thus creation of a unisex, accessible shower is recommended.



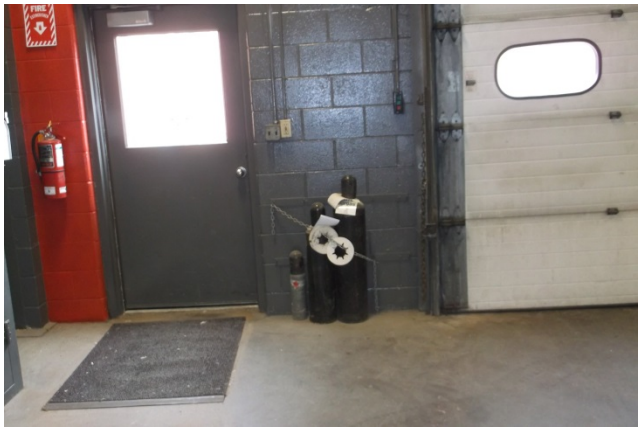
Stair & Handrails to Mezzanine



Demountable Guard Rail at Mezzanine



Gas Cylinders in Open Area



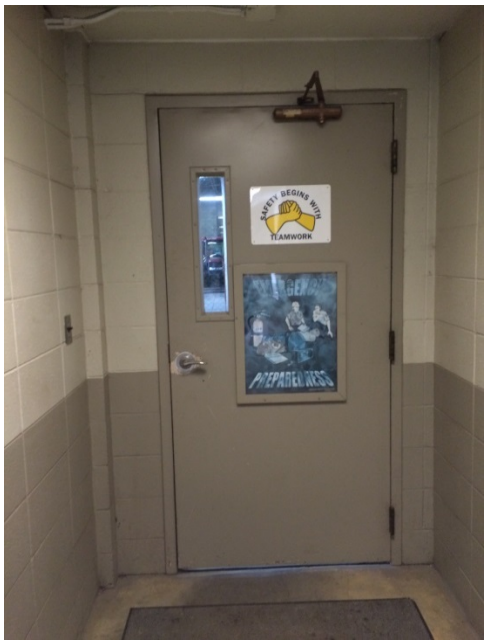
Gas Cylinders in Open Area



Accessible Employee Entrance (Knob Hardware)



Accessible Public Entrance



Lever Hardware



Knob Hardware



Men's Shower
Non-accessible Sill



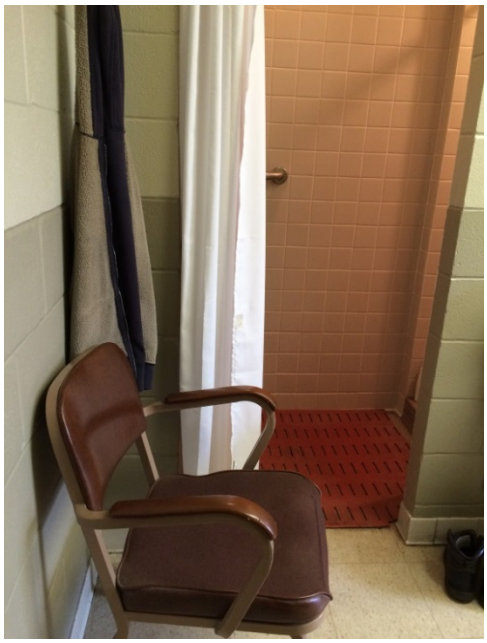
Men's Hand Wash Sink
Non-accessible Operation



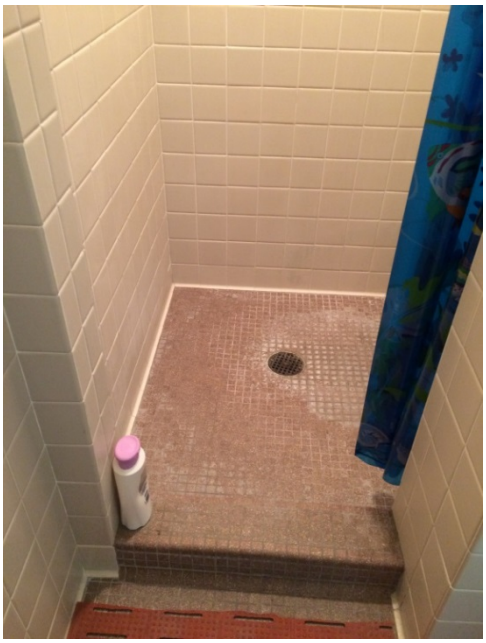
Men's Toilet Room
Lack of Turning Radius



Men's Locker Room
Adequate Turning Space



Women's Shower
Inadequate Space



Women's Shower
Non-accessible Sill



Women's Toilet
Non-accessible

STRUCTURAL SYSTEM

Summary

The structure consists primarily of steel roof deck over open web steel joists supported by a combination of structural steel framing and load-bearing masonry, all bearing on cast-in-place foundations.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1967 Original (G.B. Engineering) – **WEST** 1977 Addition (Berners-Schober Project 2550) -**EAST**
Structure type				
Foundations	C			Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings.
1st Floor	C			A. West half (Original Building) 1) North Section – 5" concrete slab on grade with 6x6 #8/#8 wire mesh reinforcing. 2) Repair Garage (center) – 7" concrete slab on grade with 6X6 #6/#6 wire mesh reinforcing. 3) South Section – 7" concrete slab on grade with 6X6 #6/#6 wire mesh reinforcing. B. East half (Addition) - 6" concrete slab on grade with 6X6 #6/#6 wire mesh reinforcing, sloped to trench drains. (Small area of 4" slab on grade in non-flammable sign storage)
Corridor and Paint Storage Ceilings	C			4" precast prestressed concrete plank over Corridor, 8" precast plank over Paint Storage
Roof	C			A. West half (Original Building) 1) North Section – 1 ½" steel deck on 20" open web steel joists supported on exterior load-bearing masonry walls and interior structural steel frame. 2) Repair Garage (center) - 1 ½" steel deck on 18" open web steel joists supported on structural steel frame with interior columns. 3) South Section – 1 ½" steel deck on 16" open web steel joists supported on load-bearing masonry walls and structural steel frame. B. East half (Addition) – Wheeling F-20 steel roof deck over open web steel joists supported by structural steel frame of wide

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
				flange beams and columns. (Small northwest portion of addition immediately adjacent to original building is load-bearing masonry.)
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams, columns, walls, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**		**S1, S2**	The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There are various locations of minor shrinkage cracking of concrete floor slabs, but they do not pose a structural concern and no remedial action is recommended at this time.

S2. There are various locations around the exterior of the building where the brick is in need of some tuck-pointing.



Concrete Slab Shrinkage Cracking



Exterior Brick Needing Minor Tuck-pointing

PLUMBING SYSTEMS

Summary

The East Side Storage Garage was constructed in approximately 1967, with remodeling in 1977 and 1983. The original piping is in poor/fair condition. It could be replaced as needed when issues arise. Glass fiber insulation is installed on most of the water piping. Insulation from original 1967 probably contains asbestos and will require abatement. A thermal mixing valve (TMV) and hot water recirculation pump (and piping) should be added to the system. These are code issues which need to be corrected. The service faucet(s) in the garage require hose end vacuum breakers installed. Gas cylinders should be stored in a one-hour rated room per code.

Building is served by interior 4" roof drains. Roof edge serves as the secondary roof drainage.

Plumbing fixtures are older, and could be replaced with water conserving, low flow units. Eyewashes installed on the faucets are not considered compliant. Building utilities in general appear adequate.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	Cast iron
Storm/Clearwater Piping	F		P3	Cast iron –not insulated
Valves	F		P4	Gate & ball
Domestic Water Service	C		P5	2" main with bypass
Insulation	HP	$15,000	P6	Add insulation to water piping, storm
Code Issues	D	See below	P7	TMV, pump, cylinder storage, eyewash
Equipment				
Domestic Water Heater	F		P8	(2) Gas-fired, AO Smith
Drench Shower Station	NA			
Recirculation Pump(s)	D	$6,000	P9	Add pump (code issue)
Water Softener	NA			No water softener installed
Thermal Mixing Valve (TMV)	D	$10,000	P10	Add TMV (code issue)
Grease Interceptor	NA			No grease interceptor required.
Kitchen Equipment	NA			
Plumbing Fixtures	F		P11	
Oxygen Storage	D	See Code	P12	Store cylinders in 1 hour rated room

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Backflow Prevention	D	$500	P13	Add hose end VB's
"Shop" Air Compressor	F		P14	
Laundry Equipment	NA			
Drain Tile Sump/Pump	NA			
Maintenance Garage	F		P15	Trench drain, garage catch basin
Exterior				
Storm Drainage, Roof Drains	F		P16	Discharge to street
Lawn Irrigation	NA			
Utilities	F		P17	2" water main, 4" sanitary, 10" storm

NOTES:

P1. Water piping is mainly copper, soldered joints. Fair condition.

P2. Original sanitary is cast iron. Some newer PVC piping in the boiler room and garage. 4" vent(s) through the roof.

P3. Original storm piping is galvanized pipe. Vintage 1977 pipe is cast iron no-hub. Piping is not insulated.

P4. Older valves are gate, newer valves are ball.

P5. Building is served by a 2" water main. 2" water meter with 3-valved by-pass in the boiler room.

P6. Majority of the water piping is insulated. Storm piping is not insulated. Insulation should be added for energy savings and to control noise issues in office areas. Urinal water piping is exposed - not insulated. Fiberglass insulation on the original piping is from 1967 and probably contains asbestos. Abatement would need to be done by the owner.

P7. Code issues: water temperature is set above 110° Fahrenheit. No thermostatic mixing valve (TMV) at the heaters. Add TMV's per code. No recirculating pump at heaters. Add recirculating pump. Hot water piping length exceeds 100'-0" per code. Gas cylinders are stored in the open, should be stored in a 1 hour rated room. Eyewashes on the faucet and the wall unit do not dispense tempered water–install TMV's as required by code. Service faucets in the garage need hose end vacuum breakers installed. Stainless steel sink in garage has condensate piping draining into it –not allowed per code.

P8. Water heaters are gas fired, direct vented to chimney, AO Smith Masterfit. Model BTR 197 100, 100 gallon, 199,000 BTU. Hot/cold water connection at the heater is 1". Piping is not insulated.

P9. Install hot water recirculation pump at heaters. Length of hot water piping exceeds 100'-0" per code.

P10. Add TMV's to water heaters. Set hot water temperature to 110° Fahrenheit. Code issue.

P11. Plumbing fixtures: No ADA handicap fixtures in the building. Water closets are floor mounted, flush valve handle. Lavatories are vitreous, wall-hung with gooseneck faucet, wrist blade control. Urinals are floor mounted, with flush valve. Cold water piping is exposed. Locker room has built-up showers and a single wall mounted electric water cooler. Stainless steel sink in the garage has non-compliant eyewash installed. Sink also has condensate piping discharging to it, which are not allowed per code. Numerous ¾" service faucets throughout require a hose end vacuum breaker to be installed. 1 ½" hose connections have a compliant elevated atmospheric vacuum breaker. 1 ½" hose connection on the exterior for the street sweeper fills.

P12. Gas cylinders are stored throughout the building, chained to wall. Cylinders should be stored in a 1 hour rated room. See code report also.

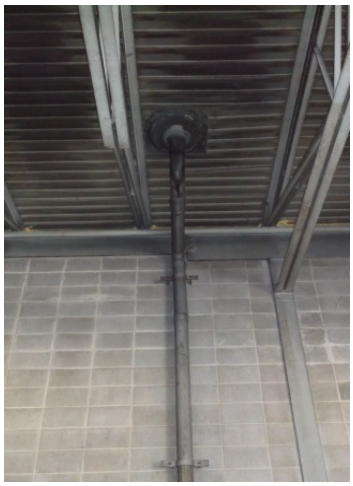
P13. There is a Watts 009 RPZ backflow in the boiler room for the HVAC boiler. 1 ½" hose connection in the garage has an elevated atmospheric vacuum breaker installed. These are compliant. Faucets with hose connection end need to have a threaded hose end vacuum breaker installed.

P14. There are (2) "shop" air compressors. One is a Curtis Challenge model E-71, 7hp; the other a Cochrane Compressor, model 325, 5 hp. Both units have a horizontal storage tank. Units serve garage air outlets and the HVAC pneumatics.

P15. Garage: trench drains which discharge to a garage catch basin.

P16. Building is served by numerous interior roof drain(s). Storm piping is not insulated. "Secondary" roof drainage is served by roof edge.

P17. Building is served from a 2" water main. Sanitary sewer is 4". Storm sewer is 10". These mains route to Mills Street. Original mains also route to Mills Street–verify. Parking lot is pitched to interior catch basin(s), which route to a swale south of the property. Utilities appear adequate for the building.



Storm Piping



Water Meter with Bypass



Cylinder Storage



Water Heater



Water Closet



Lavatory with Eyewash



Wash Fountain



Urinals



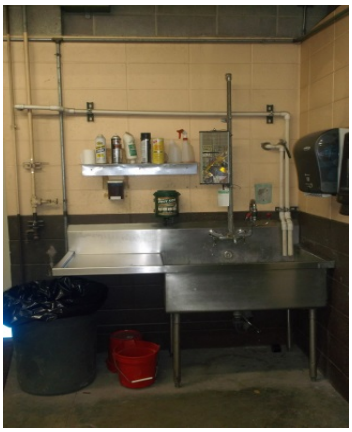
Electric Water Cooler



Hose Connection



Hose Connection – Street Sweeper



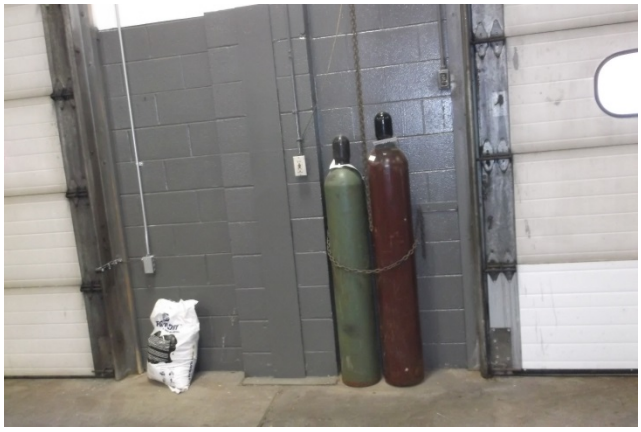
Sink



Eyewash



Hose Connection



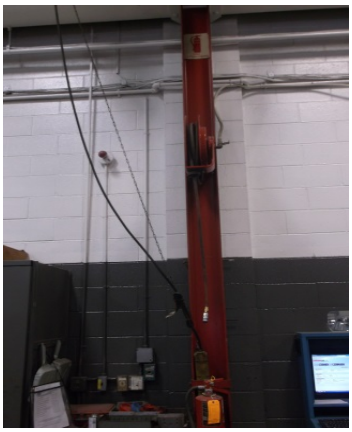
Oxygen Tank Storage



RPZ Backflow Preventer



“Shop” Air Compressor



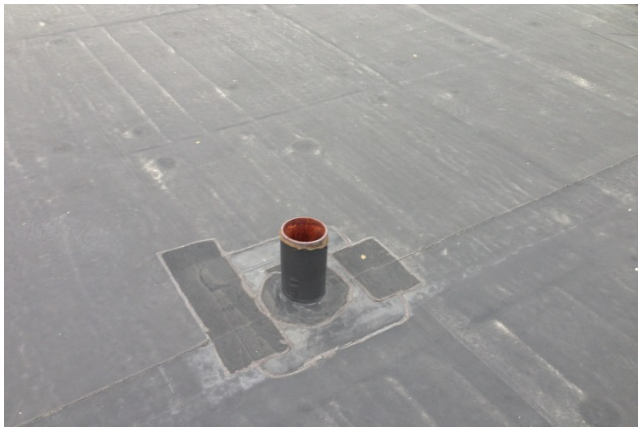
Air Hose Reel



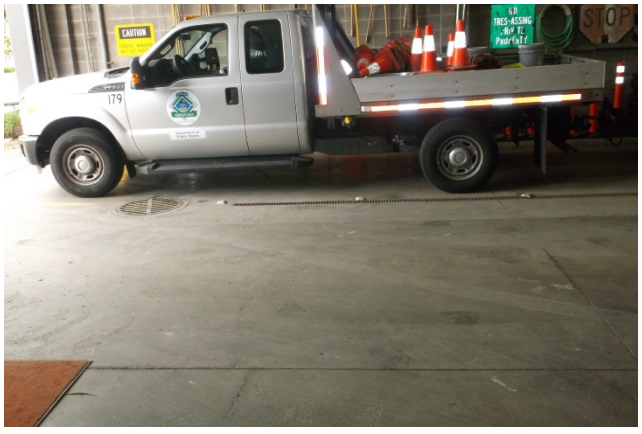
Roof Drain



Roof Drain



Sanitary Vent



Trench Drain, Garage Catch Basin



Parking Lot Catch Basin

HVAC SYSTEMS

Summary

The repair garage was constructed in 1967. The make-up air units appear to be original to that construction project. The original boiler system is abandoned. A major storage garage addition and office/locker room remodeling project was constructed in 1977. The majority of the equipment in these areas is original. Multiple minor projects occurring between 1999 and 2001included the installation of air conditioning systems in the offices and locker rooms. Power roof ventilator exhaust fans serve the building's exhaust requirements. The fans vary in size, condition, and age as the units have been upgraded and replaced on an as needed basis over the last 40 years.

The locker room and office area are served by unit ventilators with hot water heat. The unit ventilators are capable of supplying fresh outside air to the spaces.

Between 1999 and 2001 multiple blower coils with split-system condensing units were added to the locker rooms and office area. The unit ventilators were left in place to continue to supply the outside air. The blower coils serve air conditioning loads only.

The 1977 addition installed a hot water boiler system consisting of two 1,080,000 BTU boilers. The boilers were originally dual fuel. The oil tanks have since been removed (per maintenance staff) and the oil piping and components within the boiler room are abandoned. The boilers now operate only on natural gas. Maintenance staff has indicated that the boiler combustion air dampers have failed and temporary repairs are planned.

The locker room exhaust requirements are served by power roof ventilators. The original construction drawings indicate the fans are sized to provide exhaust in excess of the minimum code requirements.

The repair garage and storage garage are served by make-up air units equipped with hot water heating coils. The equipment appears to be original to the building's 1967 and 1977 construction projects. These systems are in general, well past their expected useful life. The maintenance staff has indicated that some of the air unit components have failed and repairs are needed to maintain space temperature prior to the 2015/2016 heating season. The garage exhaust requirements are served by multiple power roof ventilators. These fan systems vary in size, age, and condition.

The building's control system is antiquated DOS based controls which operate pneumatic actuators on the make-up air units and heating units. Staff has indicated the pneumatic air lines leak badly and the system components are beginning to fail. The air conditioning units installed in the locker and office areas are low voltage and in good condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Office/Locker Rooms			**H1**	
Unit Ventilators	**CP**	$150,000	**H1**	Original to 1977 construction. Units deliver fresh air to spaces.
Blower Coils	**C**			Multiple Trane units between 1.5 and 3 ton. Installed 1999-2001.
Condensers	**C**			Trane 1.5-3 ton units. Installed 1999-2001
Filters	**C**			30% filters
Controls	**C**			Low voltage on the blower coils Pneumatic on the unit ventilators
Ductwork	**C**			
Insulation	**HP**	$3,000	**H1**	Insulation on outdoor refrigerant piping has failed and fallen off.
Exhaust Fans			**H2**	
Lockers, Lunch Room	**C**			Multiple power roof ventilators of varying sizes and ages. Ongoing maintenance has kept these devices in operating condition.
Ductwork	**CP**	$20,000	**H2**	Mostly original ductwork. Dirty and leaks. Duct cleaning, sealing and balancing required.
Boiler System				Installed 1977
Boilers	**CP**	$180,000	**H3**	(2) Kewaunee 1,080MBH, installed 1977
Pumps	**CP**	$10,000	**H3**	(2) 125GPM, 3 HP
Piping	**C**			Original to the buildings construction.
Pipe Insulation	**HP**	$4,000	**H4**	Most of the piping is insulated. A few spots are bare or have damaged insulation.
Room Terminal Units	**CP**	$20,000	**H5**	Pneumatic system has leaks. Replace with low voltage DDC during major system upgrades.
Mechanical Room Ventilation	**D**	$8,000	**H6**	Boiler room combustion air has failed and is not ducted to meet code.
Controls				
Air Compressor	**C**		**H7**	7.5 HP and 5 HP. One unit for pneumatic control, one unit for shop air.
Building Management	**CP**	$100,000	**H7**	DOS based. Minimal operator interface capability. Upgrade required prior to or with equipment replacement projects.

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Garage Ventilation			**H8**	
Make-up Air Unit	**CP**	$600,000	**H8**	1967: 5,000 CFM and 3,000 CFM modular air units 1977: (2) 10,000 CFM modular air units
Exhaust	**CP**	$100,000	**H8**	Power roof ventilators of various sizes and ages.
Repair Garage Vehicle Exhaust	**C**			Dedicated capture fan connected to vehicles via hoses.
Control	**CP**	$50,000	**H8**	Timer operated. Controls are antiquated and components are beginning to fail.
Sign Room Ventilation	**CP**	$150,000	**H8**	Unit controls have failed. 8,000 CFM modular air unit

NOTES:

H1. Unit ventilators with hot water coils originally provided fresh air and ventilation to the locker room and office areas. From 1999 to 2001 blower coils with split system condensing units were installed in each space as an inexpensive method to provide comfort cooling. Both systems must operate along with the exhaust fans during the summer months and the unit ventilators and exhaust fans operate in the winter months. As the fans operate to exhaust the rooms, the unit ventilators operate and introduce unconditioned air (heated only) to the space. To air condition the room, the blower coils must operate. Insulation on the exterior refrigeration piping connected to the roof top condensing units is failing which will reduce the system efficiency.

The unit ventilators have, in general, exceeded their expected useful life of 25 years while the blower coils have approximately 5-10 years of expected useful life left. The pneumatic controls on the unit ventilator system have started to fail. A project to replace the unit ventilators, blower coils, and exhaust fan systems with packaged roof top air handling units equipped with hot water coils and heat recovery is recommended.

H2. The locker rooms, lunch room and offices spaces are served by power roof ventilators. Make-up air is provided by the unit ventilators as indicated in item 1 above. The exhaust fans have the ability to properly ventilate the spaces. However, the spaces are dirty and the ductwork has started to collect dust and lint. In addition the majority of the ductwork is 40 plus years old and leaks. A project to clean the ductwork, tape and seal, and air balance is recommended.

H3. The two gas fired boilers are approximately 40 years old. These units are at their expected useful life. Their efficiency is 5-10 percent below what new units can easily achieve. There is little to no monitoring capability on these old units. The combustion ventilation is currently code deficient. A project to replace the boilers and pumps with high efficiency condensing boilers and pumps equipped with variable frequency drives is recommended.

H4. The majority of pipe insulation is intact. There are a few areas where the pipe insulation has started to come loose. This is mainly around equipment where maintenance takes place. Repair of the insulation during equipment replacement is recommended.

H5. The room terminal units appear to be in good condition. However they are served by pneumatic thermostats and control valves. The pneumatic system is beginning to fail, the airlines leak and control valves are beginning to stick. The replacement of the pneumatic devices with low voltage DDC controls is recommended.

H6. The boiler room ventilation dampers have failed. The facility is currently providing a patch repair to keep the system operational. The ventilation damper and ducting does not meet current code. It is recommended to upgrade the dampers and combustion air louver during a boiler replacement project.

H7. The building management system is a DOS based system that controls pneumatic operators. The air compressor is in good shape. However the pneumatic lines and actuators are failing. The DOS based system is antiquated technology that limits the ability of the user to interface and monitor the systems. New

equipment will require a new building management system. It is recommended to install a new building management system with the boiler upgrade project or other major equipment replacement project. The pneumatic systems are recommended to be phased out and replaced with low voltage DDC.

H8. The repair and storage garage exhaust and make-up air systems are original to the 1967 and 1977 construction projects. The units and fans are sized appropriately, but have exceeded their expected useful life. Staff has indicated that some of the unit components have started to fail and the units are requiring increased maintenance. In addition the timer operators which allow the ventilators to operate are beginning to fail and have required repair to keep them operational. The control of the unit in the sign-shop has failed and the unit must now be cycled on/off to maintain the space temperature. During the off period, the room's ventilation is shut-off.

An enclosed repair and storage garage has specific exhaust code requirements and the garage is required to have a negative pressure in relation to the other occupied spaces. A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. A garage ventilation upgrade project to install new make-up air fans, radiant heaters, exhaust fans and control system is necessary to improve repair and storage garage ventilation and improve occupant safety.



Garage Make-up Air Unit



Garage Make-up Air Unit



Repair Garage Make-up Air Unit



Repair Garage Make-up Air Unit



Blower Coil (Typical)



Boiler



Abandoned Boilers



Hot Water Pumps



Hot Water Pipes (Typical)



Boiler Room Combustion Air



Typical Exhaust Grille



Unit Ventilator (This one replaced)



Fin Tube Radiation (Typical)



Garage Heater



Garage Exhaust



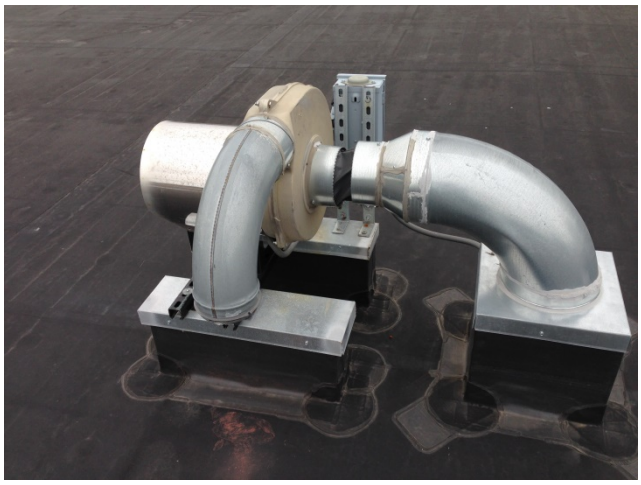
Garage Relief



Garage Exhaust



Relief Hoods



Vehicle Exhaust Fan



Vehicle Exhaust Hoses



Exhaust Fan (Typical)



Exhaust Fan (Typical)



Condensing Unit



Poor Insulation on Refrigerant Pipes



Pneumatic and Electric Thermostats



Garage Control Panel



Air Compressor (Typical)



DDC control Panel

ELECTRICAL SYSTEMS

Summary

The building is served by a 400 Amp, 120/208 Volt, three phase electrical service. The panels are in good condition, and have capacity for the future.

The outlets within the garage and exterior outlets are not GFCI protected. Exterior outlets do not have weatherproof while-in-use covers. Lighting fixtures are in good to fair condition and utilize T8 lamps and ballasts. Some fixtures have broken or missing lenses and should be repaired or replaced. The facility should install occupancy sensors in offices, toilet rooms, and storage rooms. HID building mounted fixtures are in fair condition; consideration should be given to replacing the HID fixtures with more efficient and lower maintenance LED fixtures in the future.

The server equipment is in good condition. The facility is pulling Cat 5 data and voice cabling.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	N/A	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Electrical Service				
Utility Service Entrance	C			400 Amp overhead electrical utility service enters the building in the boiler room.
Normal Power Distribution Equipment				
Main Distribution Panel	C			400 Amp MCB Westinghouse panel.
Branch Panels	C			Westinghouse panels, in good to fair condition with some spare capacity.
Power				
Receptacles	D	$5,000	E1	Garage exterior outlets and outlets in locker room need to be GFCI.
Lighting				
Garage	C			Industrial fixtures with T-8 lamps in good condition.
Office Spaces, Conference Rooms, and Corridors	C		E2	Recessed and surface mounted acrylic lens troffers and surface mounted strips with T-8 lamps in good condition.
Toilet Rooms	C			Recessed troffers and surface mounted wraps, in good condition.
Mechanical Spaces, Storage Rooms, Utility Areas	C			Industrial strips and surface mounted wraps with T-8 lamps, in good condition.
Exterior	F	$5,000	E3	HID wall packs in fair condition.

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Lighting Controls				
Offices	**HP**	$1,500	E4	Add occupancy sensors
Toilet Rooms/ Small Storage Rooms	**HP**	$1,000	E4	Add occupancy sensors
Emergency Egress Lighting and Exit Signs				
Corridors	**C**			Battery emergency fixtures.
Exit Signs	**C**			LED type in good condition, some with integral emergency lights.
Fire Alarm				
Smoke Detectors	**C**			Stand-alone smoke detectors installed throughout the building.
Telecommunications				
Data/Voice	**C**			Data server equipment in good condition with Cat 5 cabling.

NOTES:

E1. Some of the outlets were GFCI, the remaining outlets in the garage area should be replaced with GFCI type. Exterior outlets should be replaced with GFCI type and provided with weatherproof while-in-use covers for safety.

E2. Replace or repair fixtures with broken or missing lenses.

E3. Consider replacing all HID fixtures with more efficient LED in the future.

E4. Occupancy sensors should be installed in the offices, toilet rooms, and storage rooms to provide additional energy savings. If areas are renovated, controls will be required to be updated to meet current energy code.



Utility Service Entrance



Main Distribution Panel



Branch Panel



Branch Panel



Telecom Equipment



Telecom Equipment



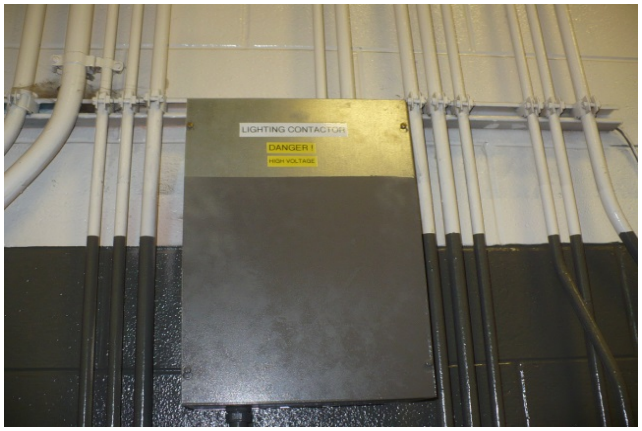
Telephone Service Entrance



Electrical Service Meter



Garage Outlet



Lighting Contactor Box



Exterior Receptacle



Exterior HID Wall Pack



Exit Sign



Garage Lighting



Corridor Lighting



Office Lighting



Office Lighting



Smoke Detector

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EVALUATION

OF

CITY-OWNED FACILITITES

EAST SIDE SALT STORAGE SHED

August, 2015

MUNICIPAL GARAGES

SUMMARY

Date of Visit: July 1, 2015
Address: 1820 Mills Street

Building Description

The salt storage building was built in 1991. It is constructed of heavy, vertical wooden posts with rough-sawn lumber boards spanning horizontally between posts. Its construction year was not able to be determined. Boards are at the interior of the posts at both sides and back, but at the exterior of the posts on the front, so that the sliding barn-style doors can pass by a relatively flat surface. Standard wood trusses span the building, with open ventilation at the wall/truss juncture. Plywood sheets at the gable ends of the trusses. The building is uninsulated, and has no windows.

Code/Accessibility

Two legal means of egress are required for most occupied buildings. This building is a storage shed, intended only for storage of road salt. The door to the shed was difficult for employees to unlock and operate from the outside. Consideration should be given to providing an egress door somewhere near the front of the building, or at a minimum, door hardware on the existing doors that could be operated from the inside.

As a typically unoccupied building, accessibility would not be a factor in the functionality of this building.

Structural System

The structure consists of wood roof trusses over walls of creosote treated wood posts and planking, supported on precast concrete pad footings.

Plumbing Systems

There are no plumbing systems to report. Building roof discharges to grade. Parking lot drainage is directed to interior catch basins on-site.

Electrical Systems

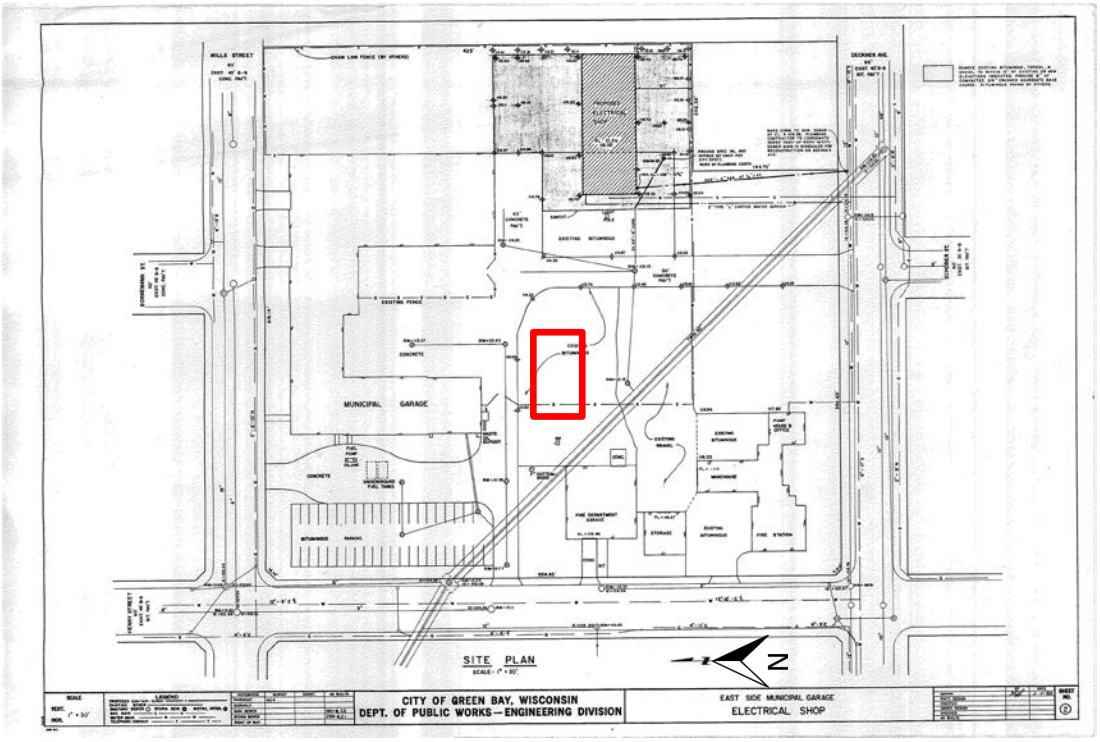
The salt shed contains some HID lamped industrial fixtures that are in fair condition. In the future it would be advantageous to replace these with LED fixtures that will operate better in the cold weather conditions of the un-heated shed building.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural and Code/ADA				NA
Structural				NA
Fire Protection				NA
Plumbing				NA
Electrical				NA



Site Plan

(Approximate location on site shown)



Aerial View of Site

ARCHITECTURAL

Building Description

The salt storage building is constructed of heavy, vertical wooden posts with rough-sawn lumber boards spanning horizontally between posts. Boards are at the interior of the posts at both sides and back, but at the exterior of the posts on the front, so that the sliding barn-style doors can pass by a relatively flat surface. Standard wood trusses span the building, with open ventilation at the wall/truss juncture. Plywood sheets at the gable ends of the trusses.

Building Envelope

Exterior Walls

Rough-sawn lumber structure and 5/4 x 12 siding. The building is uninsulated, and has no windows.

Roof

Asphalt shingle, fair condition.

Interior Finishes

Floors, Walls and Ceiling

This is an unheated building, with no finishes. Floor is asphalt paving.

Doors

A pair of large, plywood and wood framed door panels slide along a metal rail for building access.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1991	**Gross Area**	2,200 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group U – Utility and Miscellaneous		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Egress and Safety

Two legal means of egress are required for most occupied buildings. This building is a storage shed, intended only of storage of road salt. The door to the shed was difficult for employees to unlock and operate from the outside. In the very unlikely event that a person was trapped inside the building, they would not be able to operate the doors from the inside. Consideration should be given to providing an egress door somewhere near the front of the building, or at a minimum, door hardware on the existing doors that could be operated from the inside.

Summary of Accessibility/ADA Compliance

As a typically unoccupied building, accessibility would not be a factor in the functionality of this building.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	F			
Exterior Facade Condition	C			
Exterior Door Condition	F		A1	Doors were very difficult to open.
CODE ELEMENTS				
Egress and Safety	F		A2	
Doors	F			

NOTES:

A1. Recommend regular maintenance to door track and review hardware options to make door operation easier.

A2. Recommend providing a means of egress or door hardware that could be operated from the inside.



South and East Elevations



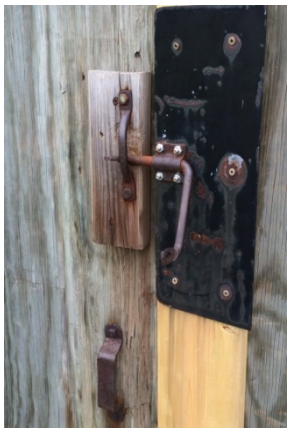
North and West Elevations



Difficult Door Operation



Bi-part Sliding Doors



Door Hardware



Trusses and Open Eaves

STRUCTURAL SYSTEM

Summary

The structure consists of wood roof trusses over walls of creosote treated wood posts and planking, supported on precast concrete pad footings.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1991
Structure type				
Foundations	**C**			Precast concrete spread footings at each wood post.
1st Floor	**C**			Asphalt slab.
Roof	**C**			a. 5/8" plywood over 2x wood trusses 2'-0" on center, supported by exterior walls of 2x12 and 3x12 creosote treated wood planking inside of 6x10 creosote treated wood posts at 4'-0" on center. Posts are laterally tied together with ¾" diameter aircraft cable ties near the roof and below ground level.
Occupancy Category	**NA**			Occupancy Category I
Construction Type	**NA**			Construction Type **V-B** (0 hour walls, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			4'-0" on center.
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.



Wood Truss Bearing



Lateral Cable Ties

PLUMBING SYSTEMS

Summary

Salt Storage building is a wood structure. There are no plumbing systems to report. Building roof discharges to grade. Parking lot drainage is directed to interior catch basins on-site.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	NA			
Sanitary Piping/Main	NA			
Storm/Clearwater Drainage	F			Discharge to grade.
Code Issues	NA			

NOTES:



Salt Shed – Exterior

ELECTRICAL SYSTEMS

Summary

The salt shed contains some HID lamped industrial fixtures that are in fair condition. In the future it would be advantageous to replace these with LED fixtures that will operate better in the cold weather conditions of the un-heated shed building.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Lighting				
Salt Shed	F		E1	HID Industrial fixtures

NOTES:

E1. Consideration should be given to replacing HID fixtures with more energy efficient LED type in the future.



Lighting

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EVALUATION

OF

CITY-OWNED FACILITITES

WEST SIDE GARAGE – BUILDING G

August, 2015

MUNICIPAL GARAGES

SUMMARY

Date of Visit: July 30, 2015
Address: 519 S. Oneida Street

Building Description

The exterior wall is comprised of an uninsulated, corrugated sheet metal on a steel frame. Exterior panels are dented, but this appeared to be an aesthetic concern only. Bi-parting sliding doors provide primary access. Emergency egress door to the east is a standard hollow metal door and frame. Arm on closer appears to have broken off the frame connection.

Minimally pitched, corrugated metal roof panel on steel frame, appeared to be in good condition. Excessive cracking was noted at concrete slab floor. Construction date of this building unknown.

Code/Accessibility

As a typically unoccupied building, accessibility would not be a factor in the functionality of this building. The exit door has knob hardware. If door or hardware is replaced, utilize code compliant lever hardware.

Structural System

The structure is a pre-engineered metal building consisting of structural steel rigid frames, z-purlins, and standing seam steel roof deck, supported by cast-in-place concrete foundations.

Plumbing Systems

This is a metal pole building.
No plumbing systems to report. Building roof pitches to gutters, discharge to several downspouts.

HVAC Systems

The pre-engineered storage building is unheated and unventilated. The building is used to store various equipment including motorized vehicles. An enclosed vehicle storage building larger than 850 Sq. Ft. or used for more than 5 vehicles is required to have mechanical exhaust ventilation.

Electrical Systems

The building is served by a 120/240 Volt, single phase electrical service. Distribution occurs from a Square D load center panel with a 100-amp main circuit breaker.

Receptacles are not GFCI protected.

Lighting fixtures are HID and in good to fair condition. There is no emergency egress lighting other than exit signs. Exit signs have battery back-up.

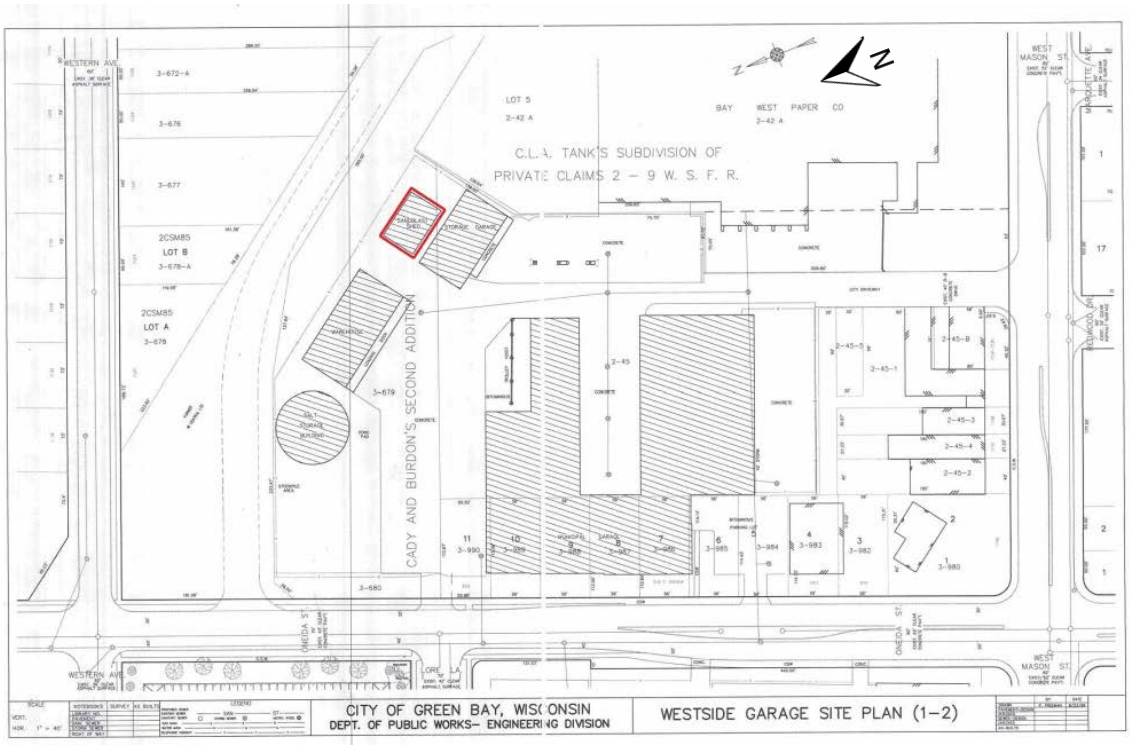
There is no fire alarm system.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural and Code/ADA				**NA**
Structural				**NA**
Fire Protection				**NA**
Plumbing				**NA**
HVAC Systems	Air intake/Make-up			**$2,000**
	Exhaust Fan			**$15,000**
	Control			**$10,000**
HVAC Subtotal				**$27,000**
Electrical	Receptacles			**$500**
Building Total				**$27,500**



Site Plan



Aerial View of Site

ARCHITECTURAL

Building Envelope

Exterior Walls

The exterior wall is comprised of an uninsulated, corrugated sheet metal on a steel frame. Dented, but appeared to be an aesthetic concern only. Construction date of this building is unknown.

Doors

Bi-parting sliding doors provide primary access and appeared in good working condition. Emergency egress door to the east is a standard hollow metal door and frame. Arm on closer appears to have broken off the frame connection.

Roof

Minimally pitched, corrugated metal roof panel on steel frame, appeared to be in good condition. See plumbing report for gutters and downspouts.

Interior Finishes

Floors

Concrete slab; excessive cracking observed.

Walls

Building has no interior partitions. See exterior walls for commentary.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Unknown	**Gross Area**	2,200 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group U – Utility and Miscellaneous		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Egress and Safety

Two legal means of egress are required for most occupied buildings. This building is a storage shed, intended only for storage of road salt. The door to the shed was difficult for employees to unlock and operate from the outside. In the very unlikely event that a person was trapped inside the building, they would not be able to operate the doors from the inside. Consideration should be given to providing an egress door somewhere near the front of the building, or at a minimum, door hardware on the existing doors that could be operated from the inside.

Summary of Accessibility/ADA Compliance

As a typically unoccupied building, accessibility would not be a factor in the functionality of this building. The exit door has knob hardware. If door or hardware is replaced, utilize code compliant lever hardware.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	F			
Exterior Facade Condition	F			
Exterior Door Condition	F			
CODE ELEMENTS				
Egress and Safety	C			
Doors	F			Use lever hardware when replacing exiting hardware or door.



Front (West) Elevation



North and East Elevations



Interior



Exit door

STRUCTURAL SYSTEM

Summary

The structure is a pre-engineered metal building consisting of structural steel rigid frames, z-purlins, and standing seam steel roof deck, supported by cast-in-place concrete foundations.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				
Structure type				
Foundations	**C**			Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings.
1st Floor	**C**		**S1.**	Concrete slab on grade
Roof	**C**			Standing seam steel roof deck over z-purlins supported by structural steel rigid frames.
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams and columns, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. Minor shrinkage cracking of slab on grade. No remedial action recommended at this time.

PLUMBING SYSTEMS

Summary

This is a metal pole building.
No plumbing systems to report. Building roof pitches to gutters, discharge to several downspouts.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	NA			
Sanitary Piping/Main	NA			
Storm/Clearwater Drainage	F		P1	Gutter, downspouts
Code Issues	NA			

NOTES:

P1. Metal building with gable roof. Roof downspout to grade. Area around the building is concrete, pitches to interior catch basins.



Building Roof Edge with Gutter

HVAC SYSTEMS

Summary

The pre-engineered storage building is unheated and unventilated. The building is used to store various equipment including motorized vehicles.

LEGEND

D	Deficient – Immediate Replacement	**CP**	Critical Priority – Replace in 1-2 years	**HP**	High Priority – Replace in 3-5 years	**F**	Fair – Replace in 6-10 years	**C**	Compliant/ Adequate	**N**	New	**NA**	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air intake/Make-up	**D**	$2,000	**H1**	
Exhaust Fan	**D**	$15,000	**H1**	
Control	**D**	$10,000	**H1**	

NOTES:

H1. An enclosed vehicle storage building larger than 850 Sq. Ft. or used for more than 5 vehicles is required to have mechanical exhaust ventilation.

A storage building exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. A garage exhaust fan project to install mechanical exhaust ventilation is necessary to improve garage ventilation and occupant safety.

Installing a small fan to continuously ventilate the space at the minimum flow rate and interlock a larger fan to operate with the lights is recommended. Alternately a two speed fan to operate on low speed continuously and on high speed when the lights are on (indicating building occupancy) may be installed. An intake louver located on the opposite side of the building (from the fans) will provide make-up air.

ELECTRICAL SYSTEMS

Summary

The building is served by a 120/240 Volt, single phase electrical service. Distribution occurs from a Square D load center panel with a 100-amp Main Circuit Breaker.

Receptacles are not GFCI protected.

Lighting fixtures HID and are in good to fair condition. There is no emergency egress lighting other than exit signs. Exit signs have battery back-up.

There is no fire alarm system.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Disconnect	C			
Power				
Receptacles	D	$500		Receptacles installed in a garage need to be GFCI.
Lighting				
Interior	F	$1,500	E1	Replace HID lighting fixtures with LED lighting fixtures.

NOTES:

E1. Replacing HID fixtures with LED fixtures will reduce operating and maintenance costs.



Electrical Service Panel



HID Lighting Fixture

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EVALUATION

OF

CITY-OWNED FACILITITES

WEST SIDE GARAGE – BUILDING H

August, 2015

MUNICIPAL GARAGES

SUMMARY

Date of Visit: July 30, 2015
Address: 519 S. Oneida Street

Building Description

The building is a masonry structure set approximately 4 feet above grade on a concrete base. A poured concrete deck on the southwest side provides a loading area for access to the overhead doors on one side of the building. Concrete steps with handrail and guard are at either end of the deck for access to the swing doors of the building. No vehicles are stored in the building.

Tuck-pointing and masonry repair needed through the building's entire exterior. Efflorescence and moisture drive especially noted at western most overhead sectional door on the southern side of the building. Concrete slab floor has excessive cracking.

Trim missing at spots around sectional overhead doors and sealants need maintenance. The doors do not appear to provide full closure at the bottom seal (daylight visible from the interior). The divided light, six-pane windows are showing their age. Most have missing panes of glass, trim and the perimeter sealant is all but gone. The cast stone sills are spalling and chipped. Construction date of this building is unknown.

Code/Accessibility

Two legal means of egress are available from all portions of the building. Clear egress corridors are available. There are no interior shafts or stairs. The exit doors have lever hardware which looks to have been replaced recently. This complies with current code.

Handrail extensions do not comply with current code, nor do the openings at hand or guard rails. These would not be required to be brought into compliance unless work were to be done on the railings or stair.

As a typically unoccupied building, accessibility would not be a factor in the functionality of this building. It is not accessible.

Structural System

The structure consists of steel roof deck over open web steel joists supported by an interior structural steel frame and exterior load-bearing masonry walls, all bearing on cast-in-place foundations.

Plumbing Systems

This is a masonry building with metal joist roofing, EDPM roof.
No plumbing systems to report. Building roof pitches to gutter and downspouts.

HVAC Systems

This building is unheated. A couple of roof ventilators are used in combination with a couple louvers to provide passive ventilation of the building. Based on the building type and the material stored within, there are no ventilation requirements.

Electrical Systems

The building is served by a 120/240 Volt, single phase electrical service. Distribution occurs from an ITE load center panel. There is no main service disconnect.

Receptacles on the exterior are not GFCI protected. There are damaged receptacles and conduits on the exterior of the east wall.

Lighting fixtures utilize T8 fluorescent lamps and are in good to fair condition. There is no emergency egress lighting other than exit signs. Exit signs have battery back-up. There are HID wall pack lighting fixtures on the building's north façade. There is exposed wiring at some of these fixtures.

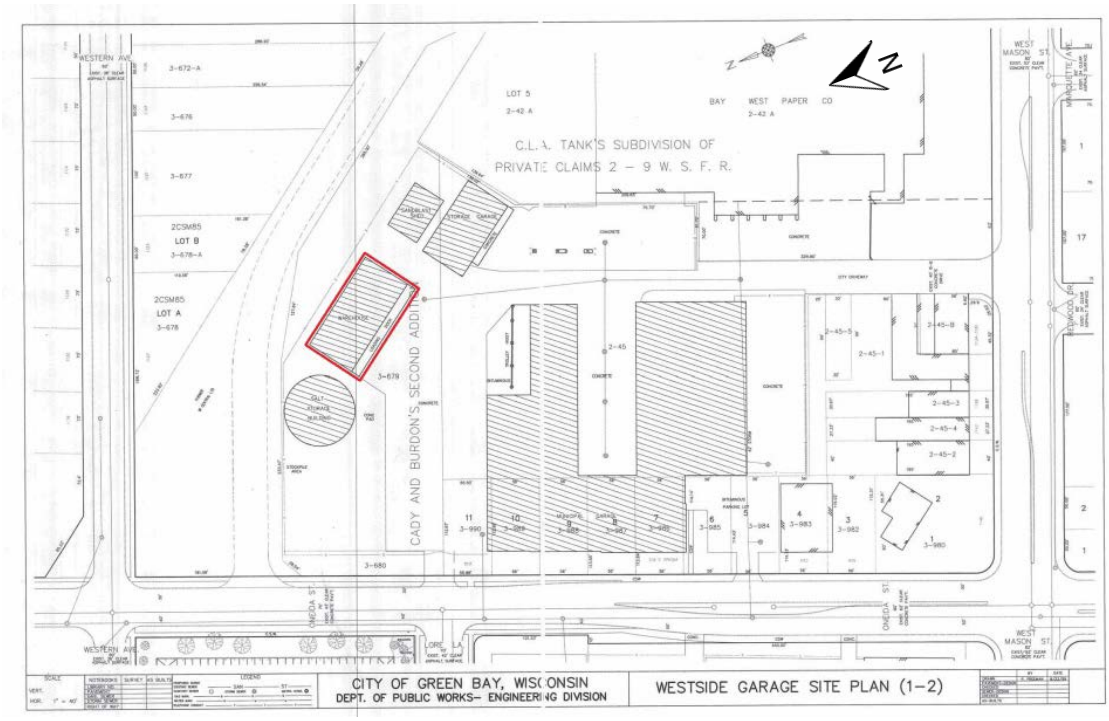
There is no fire alarm system.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural & Code/ADA		Roof Condition		$90,000
		Exterior Facade Condition		$15,000
		Window Condition		$10,000
Architectural & Code Subtotal				$115,000
Structural		1st Floor		$15,000
Fire Protection				NA
Plumbing				NA
HVAC Systems				NA
Electrical	Main Service Disconnect			$2,000
	Receptacles			$1,000
	Exterior			$1,500
Electrical Subtotal				$4,500
Building Total				$134,500



Site Plan



Aerial View of Site

ARCHITECTURAL

Building Description

The building is a masonry structure set approximately 4 feet above grade on a concrete base. A poured concrete deck on the southwest side provides a loading area for access to the overhead doors on one side of the building. Concrete steps with handrail and guard are at either end of the deck for access to the swing doors of the building.

The interior is comprised of a central steel beam on steel posts supporting metal trusses. There is no heat. No vehicles are stored in the building. Construction date of this building is unknown.

Building Envelope

Exterior Walls

The exterior wall is comprised of 12" masonry; 8" concrete block back up and 4" modular sized face brick.

Tuck-pointing and masonry repair needed through the building's entire exterior.
Effloresence and moisture drive especially noted at western most overhead sectional door on the southern side of the building.

See the structural portion of the report for the exposed foundation wall and raised loading dock. The concrete steps at the east end of the deck appear newer than those at the west. The steps on the west end have had minor concrete repairs done.

Doors

Six, wooden-panel, overhead sectional doors on north side appear to be original to the building. It does not appear as though the city utilizes these doors for loading.

Six, four-panel, one-light, aluminum, uninsulated overhead sectional doors on the south side are relatively new as compared to the building and appear in good working condition. Trim missing at spots and sealants need maintenance. The doors do not appear to provide full closure at the bottom seal (daylight visible from the interior).

Windows

The four windows on the structure appear to be original to the building. The divided light, six-pane windows are showing their age. Most have missing panes of glass, trim and the perimeter sealant is all but gone. The cast stone sills are spalling and chipped.

Roof

The roof is a fully adhered EPDM membrane system with minimal vents and penetrations. The metal trim at the north and south faces appears to be wrapped-over the original coping stones; the gutters at the east and west sides are described in the plumbing portion of the report. Tenting and wrinkles prevalent throughout.

Interior Finishes

Floors

Concrete slab; excessive cracking observed.

Walls

Building has no interior partitions. See exterior walls for commentary.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Unknown	**Gross Area**	7,500 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group U – Utility and Miscellaneous		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Egress and Safety

Two legal means of egress are available from all portions of the building. Clear egress corridors are available. There are no interior shafts or stairs. The exit doors have lever hardware which looks to have been replaced recently. This complies with current code.

Handrails and Guardrails

Hand and guard rails at the stairs to the exterior loading deck are assumed to have been compliant with the code under which they were built. Guardrail height of 42" complies with current code. Handrail extensions do not comply with current code, nor do the openings at hand or guard rails. These would not be required to be brought into compliance unless work were to be done on the railings or stair.

Summary of Accessibility/ADA Compliance

As a typically unoccupied building, accessibility would not be a factor in the functionality of this building. It is not accessible.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	CP	90,000		
Exterior Facade Condition	CP	15,000		
Exterior Door Condition	F			
Window Condition	CP	10,000		



Southeast Elevation



Roof and Gutter



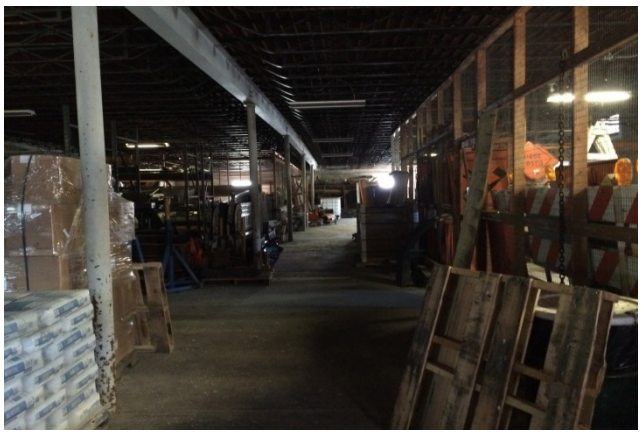
Masonry Repair



Masonry Repair



Window



Interior



Lack of Closure Under Overhead Door



Cracking at Loading Dock



Hand and Guard Rails – East stair



Northeast Elevation

STRUCTURAL SYSTEM

Summary

The structure consists of steel roof deck over open web steel joists supported by an interior structural steel frame and exterior load-bearing masonry walls, all bearing on cast-in-place foundations.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				Unknown
Structure type				
Foundations	C			Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings.
1st Floor	CP	$15,000	**S1.**	Concrete slab on grade. Cast-in-place concrete loading dock slab, beams, and columns.
Roof	C			1 ½" steel deck on open web steel joists supported on exterior load-bearing masonry walls and interior structural steel frame of wide flange beams and pipe columns.
Occupancy Category	NA			Occupancy Category II
Construction Type	NA			Construction Type **II-B** (0 hour beams, columns, walls, 0 hour roof)
Vertical Expandability	NA			None.
Typical Column Spacing	NA			
Overall Structural Condition	C			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There is significant cracking in the concrete columns at each end of the exterior loading dock, as well as some exposed reinforcing in the beams supporting the slab. Repair and restoration of these elements is recommended as this deterioration will continue over time.



Concrete Column Cracking



Concrete Column Cracking

PLUMBING SYSTEMS

Summary

This is a masonry building with metal joist roofing, EDPM roof.
No plumbing systems to report. Building roof pitches to gutter and downspouts.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	NA			
Sanitary Piping/Main	NA			
Storm/Clearwater Drainage	F		P1	
Code Issues	NA			

NOTES:

P1. Masonry building with pitched roof. Downspouts discharges to grade. Area around the building is concrete which pitches to interior catch basins.



Building Roof



Building Roof Edge

HVAC SYSTEMS

Summary

This building is unheated. A couple of roof ventilators are used in combination with a couple louvers to provide passive ventilation of the building. Based on the building type and the material stored within, there are no ventilation requirements.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air intake/Make-up	C		H1	
Exhaust Fan	C		H1	
Control	C		H1	

NOTES:

H1. There are no ventilation requirements for this building. However, should off gassing odors from the material stored become unacceptable, the roof vents could easily be replaced with powered roof ventilators to improve ventilation air flow.



Air Intake



Roof Ventilator

ELECTRICAL SYSTEMS

Summary

The building is served by a 120/240 Volt, single phase electrical service. Distribution occurs from an ITE load center panel. There is no main service disconnect.

Receptacles on the exterior are not GFCI protected. There are damaged receptacles and conduits on the exterior of the east wall.

Lighting fixtures utilize T8 fluorescent lamps and are in good to fair condition. There is no emergency egress lighting other than exit signs. Exit signs have battery back-up. There are HID wall pack lighting fixtures on the building's north façade. There is exposed wiring at some of these fixtures.

There is no fire alarm system.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Disconnect	D	$2,000		Replace existing panel with new having a main service disconnect.
Power				
Receptacles	D	$1,000		Receptacles installed outdoors need to be GFCI; support conduit and receptacle.
Lighting				
Interior	C			T-8 lamps; lighting in good condition.
Exterior	D	$1,500	E1,E2	Replace HID wall pack lighting fixtures with LED wall pack lighting fixtures; replace exposed wiring.

NOTES:

E1. LED lighting fixtures will result in lower operating and maintenance costs.

E2. Replace exposed wiring with wiring protected in conduit suitable for the installed environment.



Electrical Service Panel – No Main Disconnect



Exposed Wiring



Exposed Wiring



Unsupported Conduit and Receptacle

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EVALUATION

OF

CITY-OWNED FACILITITES

WEST SIDE LORE LANE GARAGE

August, 2015

MUNICIPAL GARAGES

SUMMARY

Date of Visit: July 30, 2015
Address: Lore Lane

Building Description

The construction year of the original portion of this garage is unknown. The north addition was constructed in 1997. The building is comprised of a steel structure with metal roof and wall panels placed on a poured concrete base wall. It provides storage for large city vehicles such as garbage and recycling trucks but is otherwise unoccupied.

The exterior wall is comprised of an uninsulated, corrugated sheet metal on a steel frame on a 4' high poured concrete base of wall. Cracks are evident along some of these walls. Two overhead doors provide vehicle access; three personnel doors provide entry/egress. Minimally pitched, corrugated metal roof panels on steel frame appear to be in good condition.

Code/Accessibility

The exit doors have knob hardware. If door or hardware is replaced, utilize code compliant lever hardware. The building is minimally occupied. Doors are at grade. An equipment mezzanine appears to comply with code.

Structural System

The structure is a "Steelox" pre-engineered metal building consisting of structural steel rigid frames, z-purlins, and standing seam steel roof deck, supported by cast-in-place concrete foundations.

Plumbing Systems

The original piping is in fair condition. Minimal plumbing consists of hose bibs throughout the garage, cold water only.

Building has a metal pitched roof which discharges to gutters and downspouts.

HVAC Systems

The building is served by two make-up air units and multiple exhaust fans all of which appear to be original to buildings construction. A couple of ceiling mounted destratification fans are manually operated to increase air movement.

The exhaust fans are operated by time clocks, operating for 2 hours in the morning when most vehicles are removed from the building and 2 hours in the afternoon when the vehicles are returned for nightly storage. The make-up air units heat the building and replace the air removed by the exhaust fans.

There did not appear to be a gas detection system installed to operate the exhaust fans.

Electrical Systems

There are two electric service disconnect switches located on the south wall. One service disconnect is a fusible switch; the other is the 200-amp main circuit breaker in the south bay panel. The fusible switch feeds a second load center with a 200-amp main circuit breaker. This second load center is erroneously labeled as a "Service Disconnect". That label should be removed.

Interior lighting is accomplished with 6-lamp 4-foot T8 fluorescent industrial fixtures. Exit signs are the only emergency egress lighting; they have no battery back-up. Exterior lighting is HID.

Receptacles are not GFCI type. An approximately 20-foot long stretch of conduit along the east wall is unsupported.

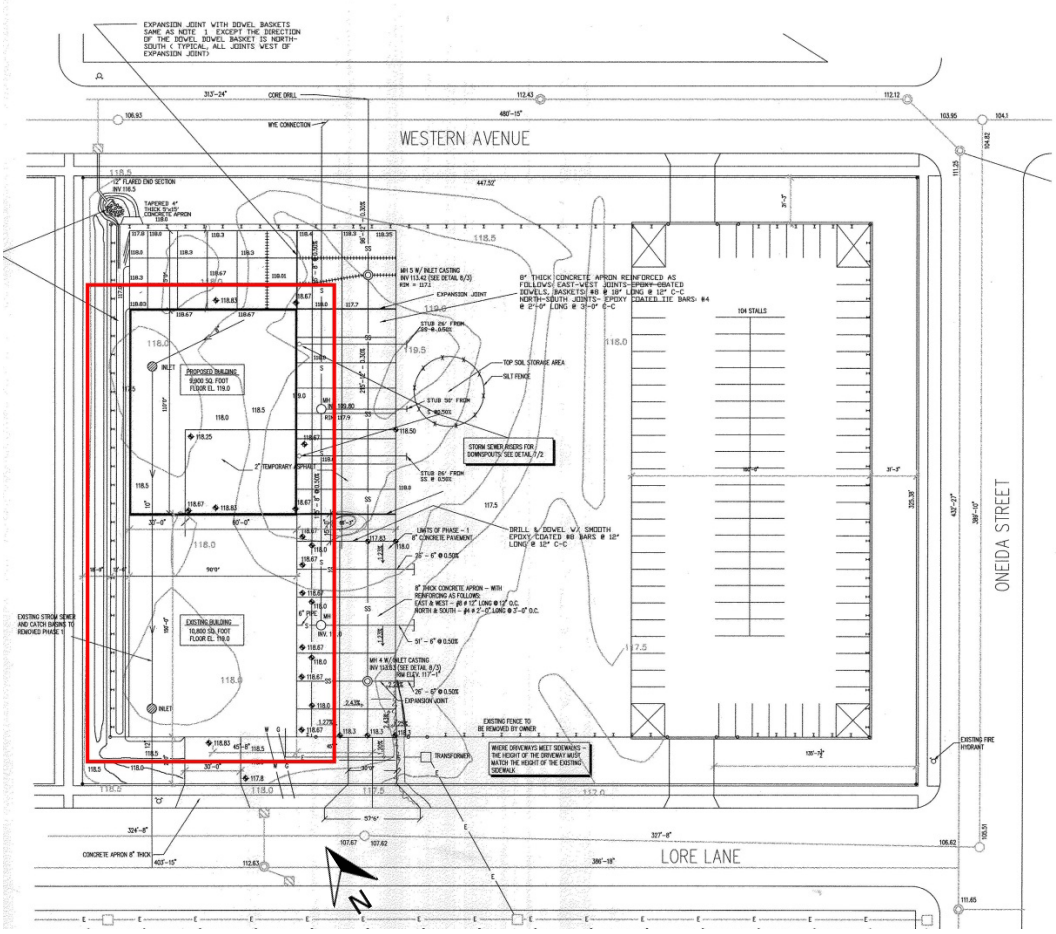
There is no fire alarm system.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

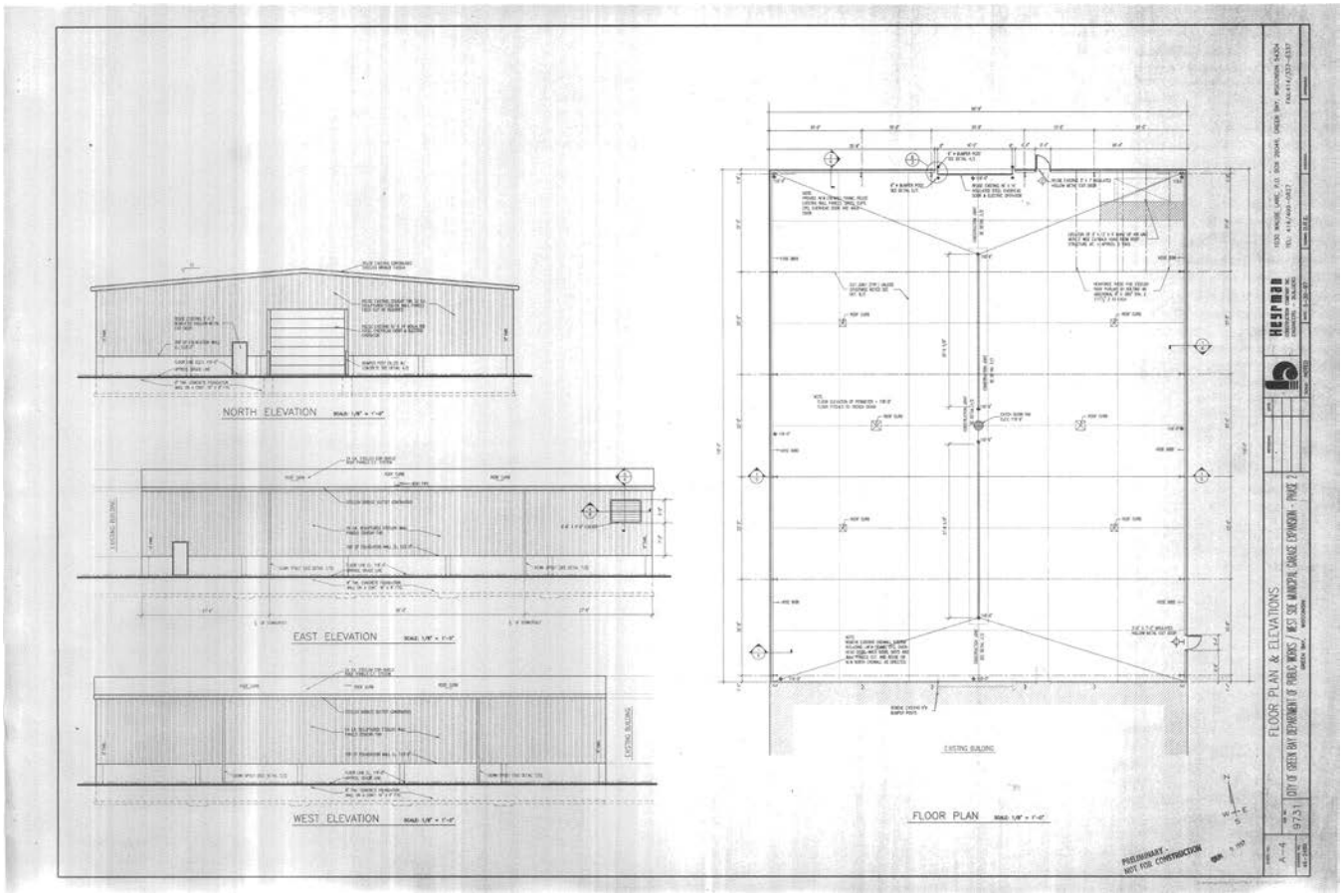
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural & Code/ADA				**NA**
Structural				**NA**
Fire Protection				**NA**
Plumbing	Code Issues			**$100**
HVAC Systems			Make-up Air Unit	**$170,000**
	Control			**$15,000**
HVAC Subtotal				**$185,000**
Electrical		Branch Panels		**$75**
		Exit Signs		**$1,200**
	Receptacles			**$1,000**
		Unsupported Conduit		**$300**
Electrical Subtotal				**$2,575**
Building Total				**$187,575**



Site Plan



Aerial View of Site



Plan of 1st phase of building

ARCHITECTURAL

Building Description

Exterior walls

The building is comprised of a steel structure with metal roof and wall panels placed on a poured concrete base wall. It provides storage for large city vehicles such as garbage and recycling trucks but is otherwise unoccupied.

Building Envelope

Exterior Walls

The exterior wall is comprised of an uninsulated, corrugated sheet metal on a steel frame on a 4' high poured concrete base of wall. Cracks are evident along some of these walls.

Doors

There are two 14' high (estimated) overhead doors at the north and south ends for drive-through access to the building. Personnel doors are insulated flush metal doors.

Roof

Minimally pitched, corrugated metal roof panel on steel frame appeared to be in good condition. See plumbing report for gutters and downspouts.

Interior Finishes

Floors

Concrete slab in fair condition.

Walls

Building has no interior partitions. See exterior walls for commentary.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Original: Unknown Addition: 1997	**Gross Area**	21,000 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group S-2 – Low Hazard Storage		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Egress and Safety

The equipment mezzanine is located approximately 12 feet above floor level and is accessed only by an extension ladder. This appears to comply with current code (IBC Section 505.5). Guards for equipment platforms need to prevent the passage of a 21" sphere; the guards appear to comply.

There are three personnel doors; one each at the north, east and south facades.

Summary of Accessibility/ADA Compliance

The exit doors have knob hardware. If door or hardware is replaced, utilize code compliant lever hardware. The building is minimally occupied. Doors are at grade.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	C			
Exterior Facade Condition	C			
Exterior Door Condition	F			
CODE ELEMENTS				
Egress and Safety	C			
Doors	F			Use lever hardware when replacing exiting hardware or door.



South End of East Elevation



North and East Elevations



Door on East Elevation



Doors on North Elevation



South Elevation



Interior



Equipment Mezzanine



Cracking at Concrete Wall

STRUCTURAL SYSTEM

Summary

The structure is a "Steelox" pre-engineered metal building consisting of structural steel rigid frames, z-purlins, and standing seam steel roof deck, supported by cast-in-place concrete foundations.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				Original south half – unknown North addition - 1997 (Heyrman Construction - Job 9731)
Structure type				
Foundations	**C**		**S1**	Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings. Wall extends to 4' above grade.
1st Floor	**C**			7" concrete slab on grade with 6x6 #6/#6 welded wire mesh reinforcing. Slab pitches to drains.
Mezzanines	**C**			Suspended mechanical equipment platforms in northeast and southeast corners consist of steel plate floor over steel beams and angles, hanging from roof structure.
Roof	**C**			24 gauge standing seam steel roof deck over z-purlins supported by structural steel rigid frames.
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams and columns, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. Minor shrinkage cracking of exposed foundation walls in several locations. However, locations typically coincide with tooled control joint locations on the exterior face of wall, and do not impair the structural performance of the building. No remedial action is recommended at this time.



Cracking in Foundation Wall – Interior (Note S1)



Cracking in Foundation Wall – Exterior (Note S1)



Suspended Equipment Platform

PLUMBING SYSTEMS

Summary

The vehicle storage garage is a metal building with masonry base structure constructed in approximately 1997. The original piping is in fair condition. Minimal plumbing consists of hose bibs throughout the garage, cold water only.

Building has a metal pitched roof which discharges to gutters and downspouts.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	PVC
Storm/Clearwater system	F		P3	Pitched Roof, gutter & downspouts
Valves	F		P4	Ball & butterfly valves
Domestic Water Service	C		P5	4' main
Insulation	F		P6	Elastomeric
Code Issues	D	$100	P7	Install hose end backflow
Equipment				
Domestic Water Heater	NA		P8	Cold water only
Recirculation Pump(s)	NA			No pump required
Thermal Mixing Valve (TMV)	NA			No TMV required
Plumbing Fixtures	F		P9	Hose bibs
"Shop" Air Compressor	NA			
Storage/Truck Garage	F		P10	Trench drain, garage catch basin
Exterior				
Storm Drainage, Roof Drainage	F		P11	
Eyewash(es)	NA			
Utilities	F		P12	4" main, 4" sanitary, 12" storm

NOTES:

P1. Water piping is copper, soldered joints. Fair condition. Piping is insulated with elastomeric insulation.

P2. Sanitary vent piping is PVC.

P3. Building has a metal pitched roof directed to perimeter gutters. Gutters discharge to numerous downspouts. Downspouts route to underground storm sewer.

P4. Hose bib valves are ball, valves at the water meter are butterfly.

P5. Building is served by a 4" water main reduced to 3". The 3" main has a 3-valve bypass. Meter is 2". The 2" water main is routed down both sides of the garage which supplies the hose bibs.

P6. Water piping is insulated with elastomeric insulation. Piping at the water meter could be re-insulated.

P7. Install hose end vacuum breakers on all hose bibs.

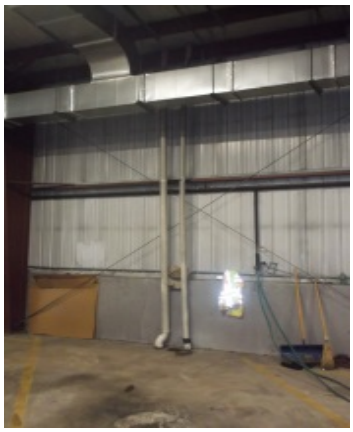
P8. No water heater. Building has cold water supplied to the hose bibs only.

P9. No plumbing fixtures or toilet rooms. Cold water hose bibs only.

P10. Garage area has linear trench drains, which discharge to garage catch basins.

P11. Roof areas discharge to perimeter gutters. Gutters discharge to downspouts. Downspouts are routed to underground storm sewer.

P12. 4" water main and 4" sanitary sewer are supplied from Lore Lane. 12" storm sewer is routed north to Western Avenue. Parking lot is concrete and gravel with (2) yard catch basins.



Vent Piping



Water Meter Set



Water Meter with Bypass



Water Piping



Garage Catch Basin & Trench Drain



Roof Edge – Gutter



Gutter & Downspout



Building Roof Edge – Gutter



Parking Lot Catch Basin



Parking Lot Catch Basin

HVAC SYSTEMS

Summary

The preengineered building was constructed in 1996 with an addition in 1997. The building is served by two make-up air units and multiple exhaust fans all of which appear to be original to buildings construction. A couple of ceiling mounted destratification fans are manually operated to increase air movement.

The exhaust fans are operated by time clocks, operating for 2 hours in the morning when most vehicles are removed from the building and 2 hours in the afternoon when the vehicles are returned for nightly storage. The make-up air units heat the building and replace the air removed by the exhaust fans.

There did not appear to be a gas detection system installed to operate the exhaust fans.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Garage Ventilation				
Make-up Air Unit	**HP**	$170,000	**H1**	(1)1996 and (1)1997, Reznor 400,000 BTUh Natural gas
Exhaust	**F**		**H1**	Power roof ventilators of various sizes and ages. Exhaust outlets high and low.
Control	**D**	$15,000	**H1**	Timer operated.

NOTES:

H1. The storage garage exhaust and make-up air systems are original to the 1996 and 1997 construction projects. The anticipated useful life for the make-up air units is 20-25 years and for the exhaust fans is 25-30 years, depending upon maintenance. The make-up units are nearing the end of their expected useful life.

The make-up air units and fans appear to be sized appropriately. The exhaust fans are operated by a time clock which operates them for two hours in the morning when the vehicles are removed from the building and two hours in the afternoon when the vehicles are expected to return, however some vehicles remain in the building as verified on the day of the site visit.

An enclosed vehicle storage garage has specific exhaust code requirements. A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. To increase worker safety and improve the ventilation deficiency it is recommended to operate an exhaust fan continuously while the remainder of the fans remain are controlled by the time clocks. A future garage ventilation upgrade project to install new make-up air fans, radiant heaters, exhaust fans and control system is recommended to improve the storage garage ventilation and occupant safety.



Garage Make-up Air Unit



Garage Make-up Air Unit Combustion Vent



Garage Make-up Air Unit



Exhaust Fan Control Panel



Thermostat



Damaged Thermostat



Supply Ductwork



Exhaust Ductwork



Exhaust Intake (Low)



Destratification Fan



Gas Meter



Exhaust Fan (Typical)

ELECTRICAL SYSTEMS

Summary

There are two electric service disconnect switches located on the south wall. One service disconnect is a fusible switch; the other is the 200 amp main circuit breaker in the south bay panel. The fusible switch feeds a second load center with a 200 amp main circuit breaker. This second load center is erroneously labeled as a "Service Disconnect". That label should be removed.

Interior lighting is accomplished with 6-lamp 4-foot T8 fluorescent industrial fixtures. Exit signs are the only emergency egress lighting; they have no battery back-up. Exterior lighting is HID.

Receptacles are not GFCI type. An approximately 20-foot long stretch of conduit along the east wall is unsupported.

There is no fire alarm system.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Disconnect	C			There are two service disconnects.
Branch Panels	CP	$75		Remove the label "Service Disconnect" from the North Bay panel.
Lighting				
Interior	C			T8 fluorescent industrial.
Exterior	F	$900	E1	Replace HID with LED.
Lighting Controls				
Garage	F	$2,500		Install occupancy sensors to turn fixtures OFF when the garage is not occupied.
Emergency Egress Lighting and Exit Signs				
Exit Signs	CP	$1,200		Replace existing Exit Signs with signs that have battery back-up.
Power				
Receptacles	D	$1,000		Install GFCI receptacles.
Raceway				
Unsupported Conduit	CP	$300		Support conduit along east wall.

NOTES:

E1. LED lighting fixtures will result in lower operating and maintenance costs.



Service Disconnects



Remove "Service Disconnect" Label from North Bay



Unsupported Conduit Along East Wall



Non-GFCI Receptacle

EVALUATION

OF

CITY-OWNED FACILITITES

WEST SIDE SALT STORAGE SHED

August, 2015

MUNICIPAL GARAGES

SUMMARY

Date of Visit: July 30, 2015
Address: 519 S. Oneida Street

Building Description

The salt storage building was constructed in 1981. The segmented circular plan (20 segments) is constructed of a concrete base and wood frame pointed dome structure. Plywood panels span the 2x framework. A tall gabled truck access bay occupies the space of two segments. The building is unoccupiable; it stores salt used in winter road maintenance. There are vents high in each roof segment that provide ventilation and some light, as well as a small window high on the roof, opposite the vehicle access opening.

Code/Accessibility

This building is a storage shed, intended only of storage of road salt. There is no swing door, and the only access point for vehicles does not have an overhead door. As a typically unoccupied building, accessibility would not be a factor in the functionality of this building.

Structural System

The structure is a pre-engineered wood-framed dome supported on cast-in-place concrete foundation walls.

Plumbing Systems

This is a wood structure with a shingled roof.
No plumbing systems to report. Building roof pitches and discharges to grade.

Electrical Systems

The salt shed contains HID lamped industrial fixtures that are in fair condition. Replacing these with LED fixtures will result in lower operating and maintenance costs.

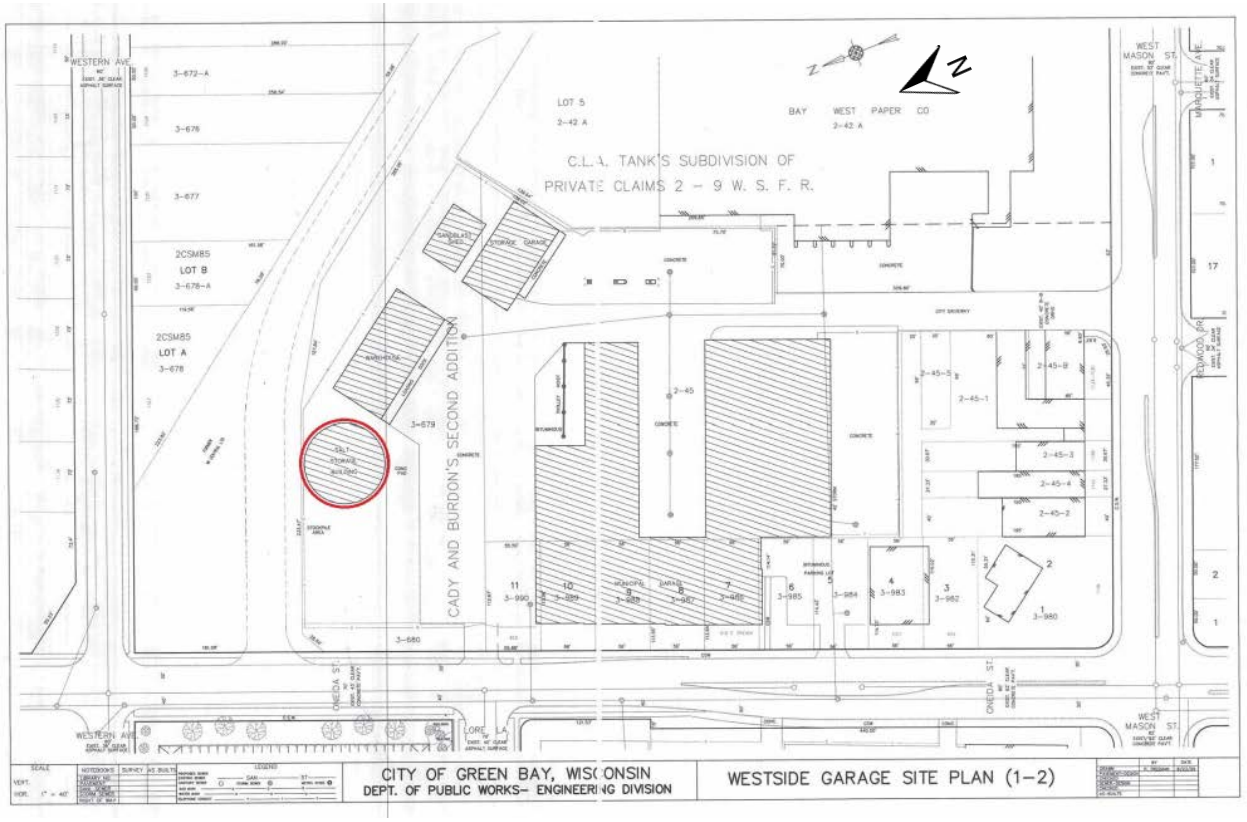
Exterior conduits and a receptacle have been damaged. Exterior receptacles must provide ground fault protection.

Estimates

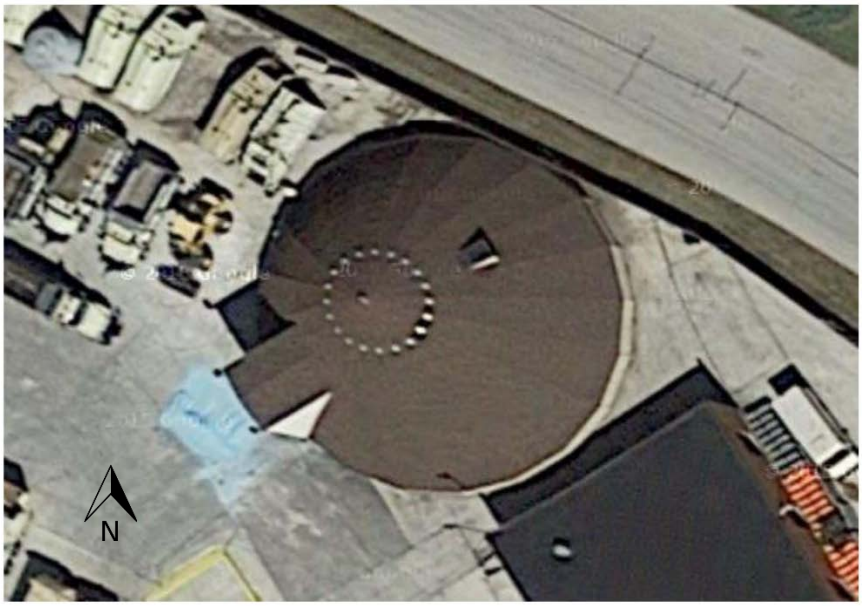
Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural and Code/ADA				**NA**
Structural				**NA**
Fire Protection				**NA**
Plumbing				**NA**
Electrical	Receptacles			**$250**
	Conduit			**$200**
Electrical Subtotal				**$450**
Building Total				**$450**



Site Plan



Aerial View of Site

ARCHITECTURAL

Building Description

The salt storage building is a segmented circular plan (20 segments), constructed of a concrete base and wood frame pointed dome structure. Plywood panels span the 2x framework. A tall gabled truck access bay occupies the space of two segments. The building is unoccupiable; it stores salt used in winter road maintenance. There are vents high in each roof segment that provide ventilation and some light, as well as a small window high on the roof, opposite the vehicle access opening.

Building Envelope

Exterior Walls

Concrete base of approximately 5 feet in height. Walls and roof are integral to the domed shape. Previous repairs prevalent, especially to the left of the opening.

Windows

Not applicable.

Roof

Asphalt shingle on wood frame.

Interior Finishes

Floors, Walls and Ceiling

This is an unheated building, with no finishes. Floor is asphalt paving.

Doors

The truck access bay has no door on it, nor are there any swing doors.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1981	**Gross Area**	22,000 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group U – Utility and Miscellaneous		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Egress and Safety

This building is a storage shed, intended only of storage of road salt. There is no swing door, and the only access point for vehicles does not have an overhead door.

Summary of Accessibility/ADA Compliance

As a typically unoccupied building, accessibility would not be a factor in the functionality of this building.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	F			
Exterior Facade Condition	F			
Exterior Door Condition	NA			
CODE ELEMENTS				
Egress and Safety	NA			
Doors	NA			



Front Access Point Elevation



Side Elevation



Vents and Window



Framing of Vehicle Access

STRUCTURAL SYSTEM

Summary

The structure is a pre-engineered wood-framed dome in a 20-segment circular plan, supported on cast-in-place concrete foundation walls.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1981 (Thomas E Torricelli Architect/Engineer)
Structure type				
Foundations	C			Cast-in-place concrete foundation walls over asphalt pavement.
1st Floor	C			Asphalt pavement.
Roof	C			82' diameter pre-engineered wood-framed dome structure, a proprietary design by "Domecorp of America."
Occupancy Category	NA			Occupancy Category I
Construction Type	NA			Construction Type **V-B** (0 hour walls, 0 hour roof)
Vertical Expandability	NA			None.
Typical Column Spacing	NA			
Overall Structural Condition	C			The existing building is structurally sound with no significant deficiencies noted.



Dome Roof Framing

PLUMBING SYSTEMS

Summary

This is a wood structure with a shingled roof.
No plumbing systems to report. Building roof pitches and discharges to grade.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	NA			
Sanitary Piping/Main	NA			
Storm/Clearwater Drainage	F		P1	
Code Issues	NA			

NOTES:

P1. Wood structure building with pitched roof. Roof discharges to grade. Area around the building is concrete, pitches to interior catch basins.



Salt Storage Building

ELECTRICAL SYSTEMS

Summary

The salt shed contains HID lamped industrial fixtures that are in fair condition. Replacing these with LED fixtures will result in lower operating and maintenance costs.

Exterior conduits and a receptacle have been damaged. Exterior receptacles must provide ground fault protection.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Lighting				
Salt Shed	**F**	**$3,500**	E1	Replace HID lighting fixtures with LED lighting fixtures.
Power				
Receptacles	**D**	**$250**		Replace non-GFCI receptacle with GFCI receptacle; replace broken device.
Conduit	**D**	**$200**		Repair broken conduit.

NOTES:

E1. LED lighting fixtures will provide lower operating and maintenance costs.



HID Lighting Inside Salt Shed



Broken Box; Non-GFCI Receptacle



Broken Conduit



HID Lighting at Exterior of Salt Shed

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EVALUATION

OF

CITY-OWNED FACILITITES

WEST SIDE MUNICIPAL GARAGE & SHOP

August, 2015

MUNICIPAL GARAGES

SUMMARY

Date of Visit: July 30, 2015
Address: 519 S. Oneida Street

Building Description

The main west side garage and shop was built in several stages. The original building was built in 1952. It is comprised of a two-story office area with lunch room and shower facilities, and an attached garage. A garage addition was added in 1983 and another in 1987, along with numerous mechanical upgrades, roof replacements and other modifications.

The exterior wall of the original portion of the building is comprised of a 12" masonry wall, with 4" modular face brick on the outside veneer and an 8" concrete block on the inside. The 1980s additions were built with a double-wythe construction and include a layer of rigid insulation.

The exterior walls as a whole need a considerable amount of tuck-pointing and masonry restoration. The planters on the west face show considerable deterioration and decay. Tuck-pointing, masonry restoration and replacement required.

Roof leaks have been reported throughout the building. The areas of built-up roofing well exceeded their potential lifespan for both the roofing layers and the flashing. The areas of EPDM roofing are showing significant tenting, wrinkling and separation of seams. Complete roof replacement should be considered.

Interiors are in fair to good condition. Original spline ceilings are recommended for replacement.

Code/Accessibility

At least one of the two exit stairs from 2nd floor should have a rated door and frame to create 1-hour rated means of egress from 2nd floor, in order to replicate original construction and comply with IBC 1016.1, exception 3.

Aging pipe insulation is deteriorating and fraying. This should be investigated for possible asbestos content.

Accessible parking and entry is provided.

Areas and functions that are not accessible include the following:

- There are some doorways between the business and storage/garage areas that have steps between floor levels.
- There is no elevator to provide access to the 2nd floor, but there are also very few functions on the upper floor. Storage spaces would not need to be accessible. The owner could make accommodations for an alternate lunch/break room on the first floor if requested to do so. This would address access issues for 2nd floor, should they arise.
- The locker rooms do not have turning radius floor space within the room. Removal of or shortening of the central bench may be able to accommodate this space.

Replacement of knobs with lever handles should be done for all door and hardware replacements going forward.

The following plumbing fixtures do not provide accessibility:

- Showers in both Men's and Women's rooms have a 6" sill at entry. The stalls themselves are not ADA compliant, providing inadequate space and no grab bars or proper controls.
- There are no accessible toilet stalls, although a couple did provide side grab bars.
- Foot-activated handwashing sink.
- Drinking fountain spout is at 38". This is acceptable for standing height access. Additional low height drinking option should be provided as well.

Structural System
The structure generally consists of steel roof deck over open web steel joists and steel girders bearing on a combination of steel columns and load-bearing masonry walls. West wing of original construction includes a second floor of cast-in-place concrete slabs, beams, and columns. All building segments are supported on a shallow concrete foundation system.

Plumbing Systems
The original piping is in fair condition, it has been replaced as needed when issues arise. Insulation could be added to the hot water piping for energy savings. Thermostatic mixing valves (TMV) and backflow prevention should be added to the systems. These are code issues which need to be corrected.

Building is served by numerous roof drains. Some of the roof areas have relief scuppers.

Plumbing fixtures are older and could be updated to conserve water. Building utilities in general appear adequate.

Fire Protection Systems
The West Side Municipal Garage is a partially sprinkled building. An 8" dedicated water service main enters the building through the floor on the west side of the repair garage and reduces to 6" inside the building.

The repair garage area of the building is sprinkled, while the remainder of the building is unsprinkled. The system appears to be in overall fair condition, with normal aging/corrosion on the pipes for the age of the system.

HVAC Systems
The majority of the HVAC ventilation equipment is original to one of these three projects except for the power roof ventilators.

Some occupied spaces of the original 1952 building are not ventilated.

The 1952, 1983, and 1987 storage and repair garages are served by make-up air units equipped with steam heating coils. The equipment appears to be original to the construction projects. These systems are in general, well past their expected useful life. The maintenance staff has indicated that some of the air unit components have failed and repairs are needed to maintain space temperature prior to the 2015/2016 heating season.

Multiple valves and other components on the steam system continue to leak.

The building's control system is antiquated and multiple components have failed. Staff indicated that the system air lines in the building are plugged and/or leak severely. This restricts the ability of the pneumatic actuators on the make-up air units and heating units to operate properly and leads to space temperature fluctuations or over/under heating of the spaces.

Electrical Systems
The building is served by an 800 Amp, 120/208 Volt, three phase electrical service originating from a pad-mount transformer. The main distribution panel (MDP) is a fusible-switch type manufactured by ITE. It is believed to be original to the building (circa 1956). ITE is no longer manufactured. The enclosure's cover has several spots that are corroding. There is one spare switch for expansion; it is rated 200 amps. MDP's main nameplate erroneously lists the equipment as 480-volt.

A 100-kW natural gas-fired generator provides standby power. It appears the generator is serving both emergency loads (life safety related) as well as non-emergency loads.

Branch panels are mostly manufactured by ITE and Westinghouse – both companies no longer manufacture panelboards. Overall the condition of the branch panels is good, but their age means replacement circuit breakers will become increasingly difficult to acquire.

Receptacles within the garage are not all GFCI protected.

Lighting fixtures in the vehicle sash bay are in need of replacement as they are literally being held together with tie wraps.

Although the ambient temperature in the network computer room did not seem too warm, this equipment is susceptible to heat, and works best in environments where temperature and ventilation is controlled specifically for electronics. The equipment would also benefit from a thorough cleaning.

There is a fire alarm system throughout most of the buildings identified as A, B, C, and D – although its application generally doesn't meet today's Code. There doesn't appear to be any fire alarm in Building E.

An overhead electric feeder to an outside crane utilizes non-metallic sheathed cable (often referred to as Romex.) Non-metallic sheathed cable is not approved for exterior applications.

Estimates

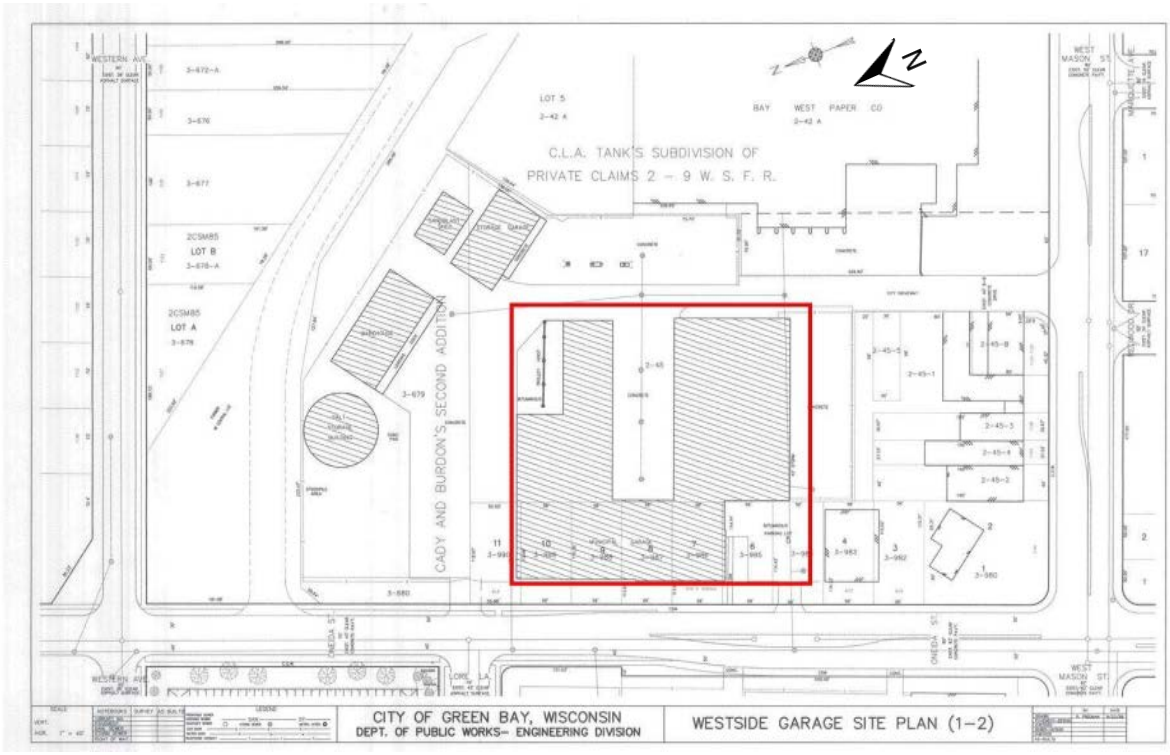
Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

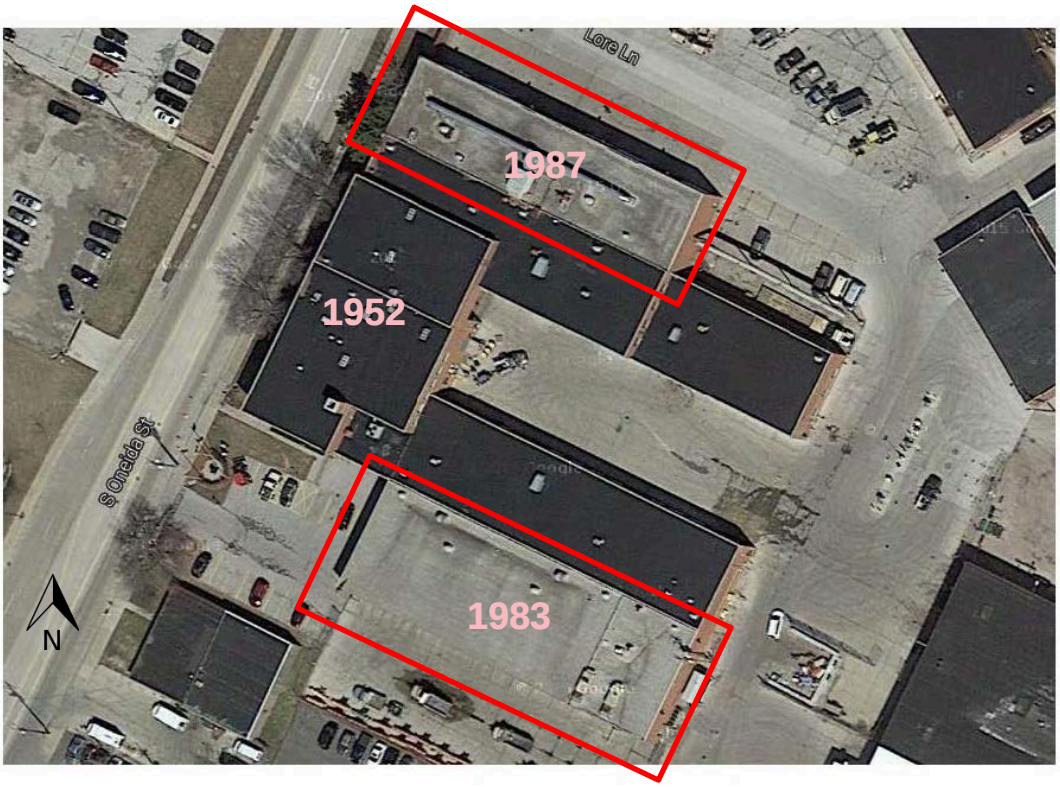
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural				
			Exterior Façade (Masonry)	**$250,000 - $350,000**
			Window Condition	**$100,000**
			Ceilings	**$8,000 - $12,000**
Architectural Subtotal				**$358,000- $462,000**
Code/ADA			Stair Shafts	**$800**
			Miscellaneous Items	**See Report**
			Showers	**$8,000 - $12,000**
			Accessible Toilet	**$8,000 - $12,000**
			Drinking Fountain/Access	**$8,000 - $12,000**
Code Subtotal				**$24,800- $36,800**
Structural		Second Floor (Original 1952 bldg. only)		**$20,000**
Fire Protection	Backflow Prevention			**$7,000**
	Sprinkler Heads			**$4,000**
Fire Protection Subtotal				**$11,000**
Plumbing			Insulation	**$20,000**
	Thermal Mixing Valve (TMV)			**$4,000**
	Backflow Prevention			**$5,000**
	Eyewash(es)			**$3,000**
Plumbing Subtotal				**$32,000**
HVAC Systems				

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Office/Locker Rooms			Housing	**$150,000**
	Occupied Area Ventilation			**$150,000**
Chiller			Housing	**$50,000**
Exhaust Fans			Ductwork	**$15,000**
Boiler System			Boilers	**$400,000**
			Condensate Pump	**$10,000**
			Piping	**$20,000**
			Pipe Insulation	**$25,000**
		Room Terminal Units		**$30,000**
Mechanical Room Ventilation				**$15,000**
Controls		Building Management		**$100,000**
Salt Brine Room			Make-up Air Unit	**$30,000**
			Piping/Insulation	**$500**
1952 Garage Ventilation		Make-up Air Unit		**$360,000**
			Exhaust	**$20,000**
			Heaters	**$10,000**
		Piping/Insulation		**$20,000**
		Control		**$25,000**
1983 Garage Ventilation		Make-up Air Unit		**$235,000**
		Exhaust		**$20,000**
		Control		**$20,000**
1983 Wash Bay Ventilation			Exhaust	**$10,000**
			Heaters	**$5,000**
		Control		**$5,000**
1987 Garage Ventilation		Make-up Air Unit		**$160,000**
		Exhaust		**$20,000**
		Control		**$20,000**
			Radiant Heaters	**$50,000**
HVAC Subtotal				**$1,975,500**

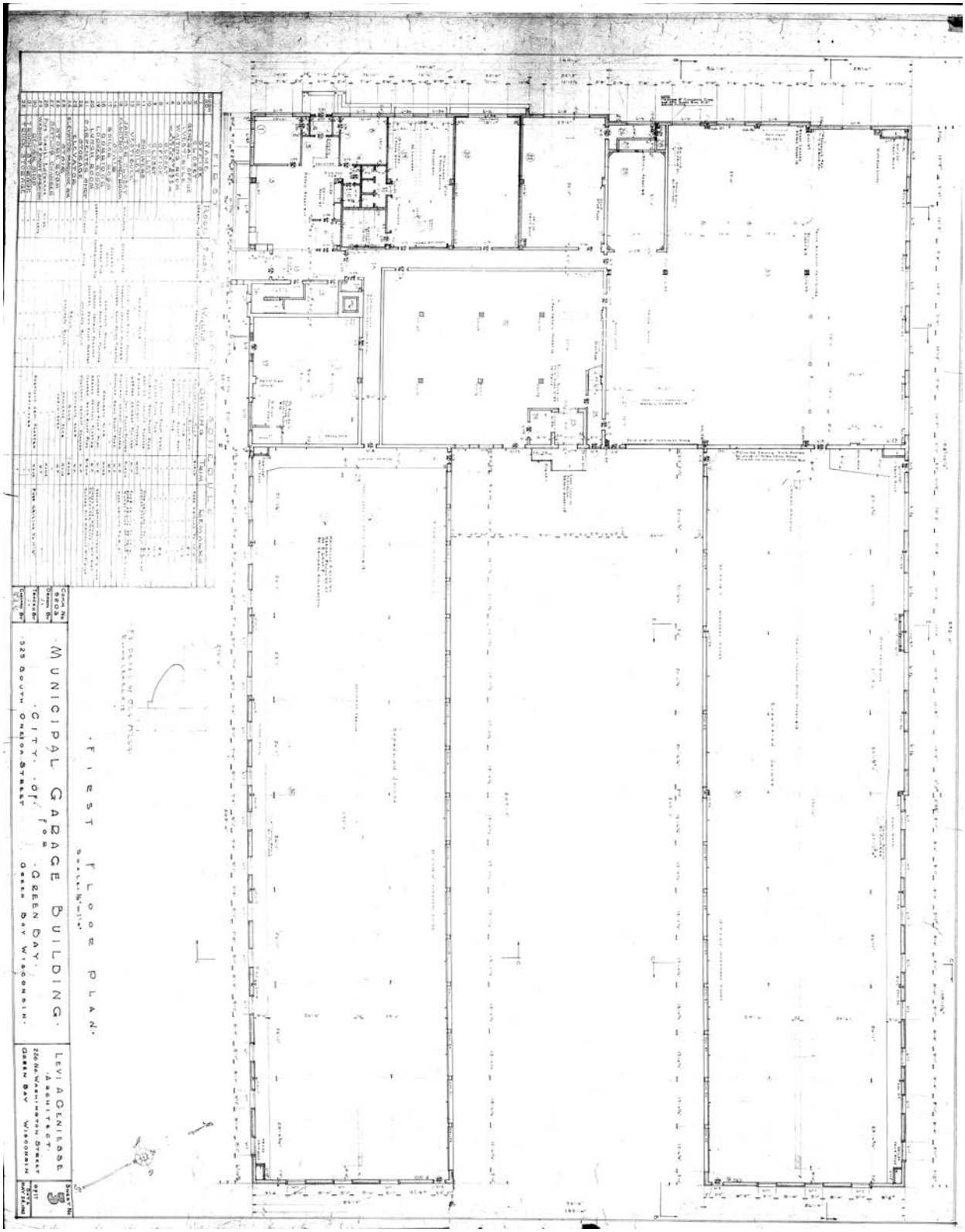
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Electrical	Receptacles			$1,500
		Emergency Egress Lighting and Exit Signs		$20,000
			Audible and Audible/Visual Alarms	$5,000
Electrical Subtotal				$26,500
Total				$2,427,800-$2,543,800



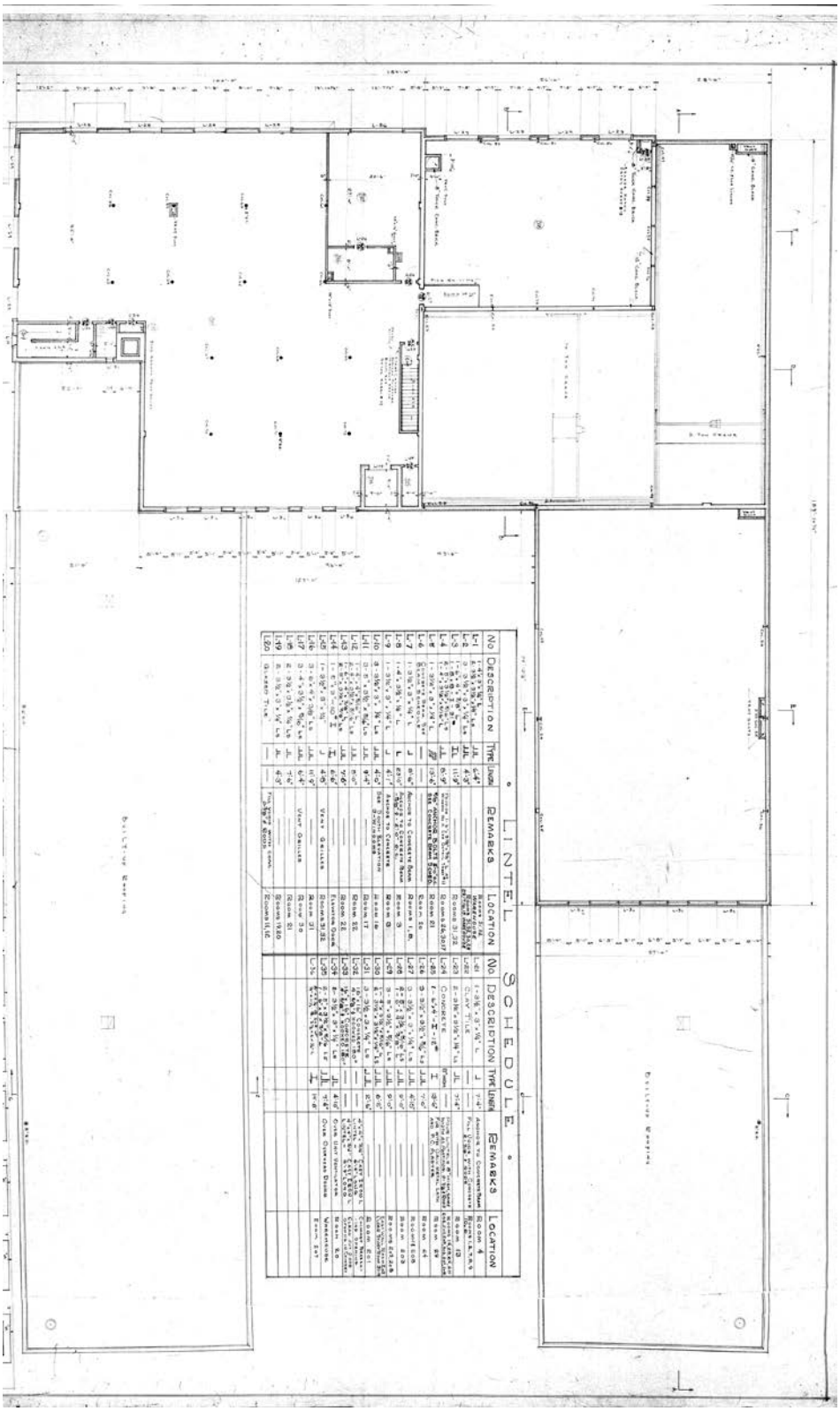
Site Plan



Aerial View of Site



First Floor Plan



Second Floor Plan

ARCHITECTURAL

Building Description

The main west side garage and shop was built in several stages. The original building was built in 1952. It is comprised of a two-story office area with lunch room and shower facilities, and an attached garage. A garage additional was added in the early 1980s and another in the late 1980s, along with numerous mechanical upgrades, roof replacements and other modifications.

Building Envelope

Exterior Walls

The exterior wall of the original portion of the building is comprised of a 12" masonry wall, with 4" modular face brick on the outside veneer and an 8" concrete block on the inside. The building entry is decorated with ornamental metals, cast stone trim and masonry planters.

The 1980s additions, primarily garage and maintenance space, were built with a double-wythe construction and include a layer of rigid insulation.

The exterior walls as a whole need a considerable amount of tuck-pointing and masonry restoration. The planters on the west face show considerable deterioration and decay. Tuck-pointing, masonry restoration and replacement required.

Windows

All of the windows within the facility are limited to the 1950s construction. They appear to be original to the building. There is a variety of shapes, in both operable and fixed units. None appeared to have insulated glass; some were guarded with an expanded metal screen.

The windows have exceeded their life expectancy. Modern, insulated units would yield tremendous energy savings as well as prevent water infiltration. A comprehensive, window replacement project should be considered.

Roof

Portions of the roof areas have been reroofed at different times through the building's lifespan. There are areas of fully adhered EPDM roofing and areas of built-up roofing.

Leaks have been reported throughout the building. The areas of built-up roofing well exceeded their potential lifespan for both the roofing layers and the flashing. The areas of EPDM roofing are showing significant tenting, wrinkling and separation of seams. Complete roof replacement should be considered.

Interior Finishes

Floors

All garage floors are concrete. The two-story office portion of the building has sealed concrete floors on the second level in both the occupied areas, such as lunch room and rest rooms, and the storage area.

First floor main corridor, toilet rooms, conference room and main offices have a pattern of multiple-sized ceramic mosaic tile. A segment of carpet is laid over the tile at one office, with a duct tape threshold to prevent excessive wear. A section of locker room that looks to have been a later addition to the Women's Lockers has terrazzo floor. A section of tile in front of the Men's urinals has been replaced with 2x2 ceramic mosaic tile. Women's shower area has 1" ceramic mosaic tile. Tile is in fair to good condition.

A group of open and private offices near to the garage/shop area has 12" composite tile floor with rubber base. It is in fair condition.

Walls

Walls in the garage areas are typically painted concrete masonry units. A painted dark gray wainscot extends to approximately 6'-0"; light colored paint extends to structure above.

At the original building, structural glazed tile extends up to approximately 4'-8" in the main corridors and toilet/locker rooms. Elsewhere is painted gypsum board. Glazed block is used for a base in areas not receiving a wainscot. Women's shower area has full height 4 ¼" glazed tile.

The 2nd floor storage area has 2x4 framing and particle board forming various locked compartments.

Doors
Exit doors are typically insulated hollow metal with a light in them. Interior doors vary, but are typically older wood panel doors in the original building. Office areas have flush wood doors, some with half-lights in them. Some lockable storage areas have metal frame and metal mesh doors.

Doors to rated rooms were observed to have fire rating labels on doors and frames.

Ceilings
Occupied areas typically have 2x2 lay-in acoustic panel ceilings. Most of these are square edged and in fair condition. One office and a conference room in the main office area has 12"x12" spline ceiling that looks to date from the original 1950s construction. Several of the tiles in the conference room are loose and visibly separated from the ceiling.

Shower areas have plaster ceilings, but the rest of the locker and toilet rooms have the standard acoustic panels.

Casework
Several office areas or parts rooms throughout the building have casework items or counters. These are typically plastic laminate cases and tops in fair condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Exterior Facade Condition	HP	$250,000 - $350,000	A1	
Exterior Door Condition	F			
Window Condition	HP	$100,000	A2	Windows are in the 1950s original building. Budget based on $45/SF of window.
Roof Condition	F	$900,000		Based on $15/SF for entire roof
Interior Finishes				
Floors	F		A3	
Walls	C			
Doors	C			
Ceilings	F / HP	$8,000 - $12,000	A4	Assume 2,000 SF at $4 to $6/ SF
Casework	F			

NOTES:

A1. Tuck-pointing, masonry restoration and replacement are recommended at exterior walls and planters. Full evaluation and quote by masonry contractor is advised. Cost range is listed for budget purposes.

A2. A comprehensive window study is recommended in order to determine the scope and budget of a full window replacement project for the building.

A3. Recommend removing or replacing the loose-laid carpet at 1st floor office. Duct taped edge is a trip hazard. If replacing, provide factory finished hemmed edge and securely tape to floor.

A4. Recommend washable ceiling panels for all locker and toilet rooms. Recommend replacing spline ceiling in the room where tiles are loose.



South and West Elevations



Inner U Court



West Elevation



Elevations at U-shaped Court



South Elevation at U Court



North East Elevation



North and East Elevations



Planter Wall



Typical Garage/Shop Window



Roof of South Garage U, Looking East



Evidence of Ponding



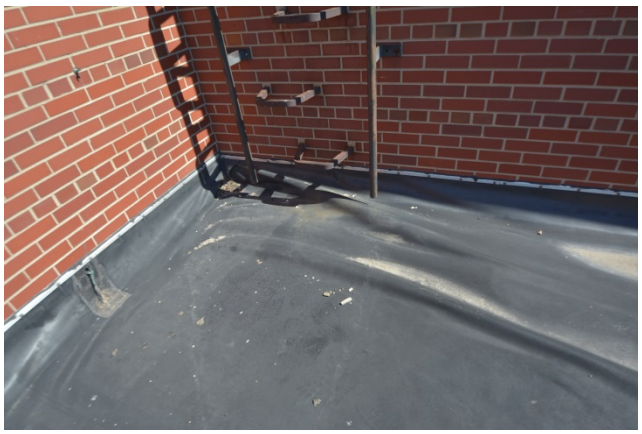
Roof Looking Southeast



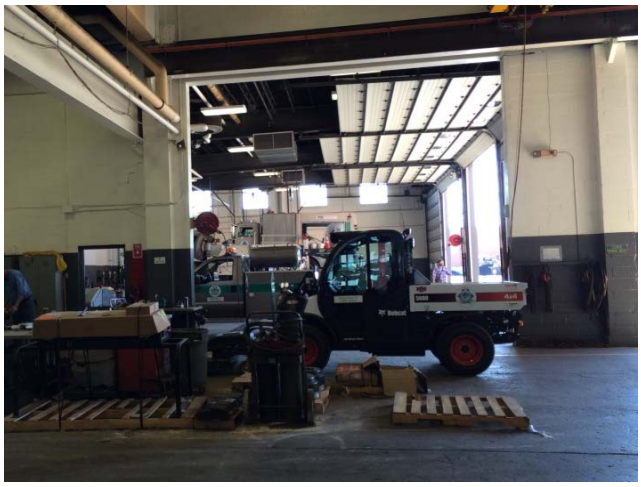
Separation and Tenting of EPDM Patches



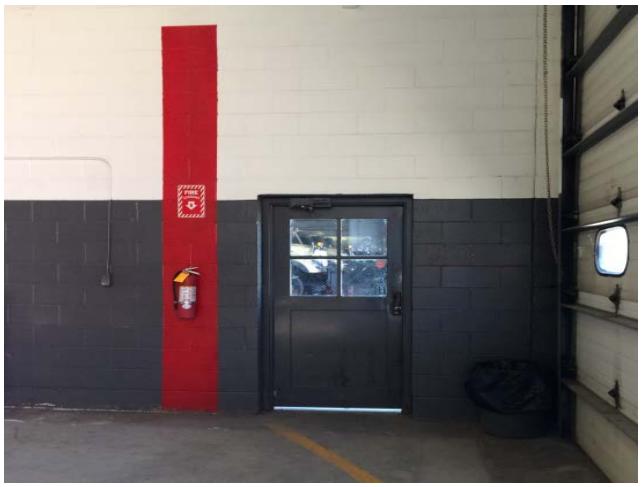
Debris from Trees Collected on Roof



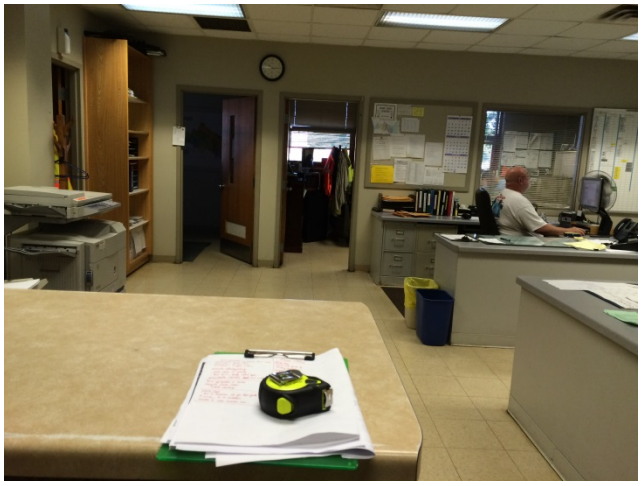
Tented EPDM



Painted Wainscot at Garages



Wood Door with Half Light



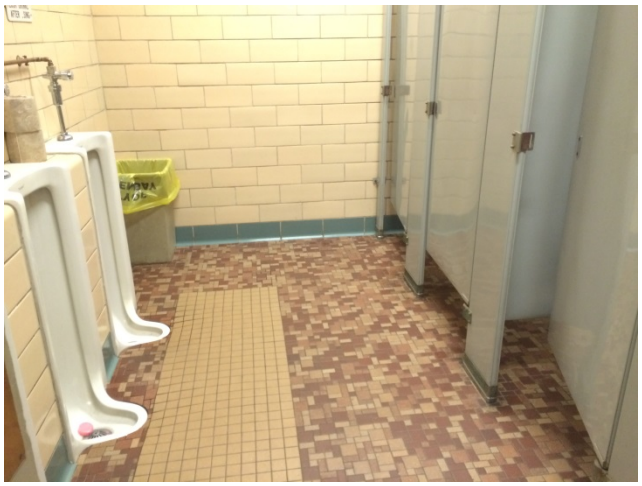
Office Finishes & Casework



Wall and Floor Finishes – Locker Room



Men's Locker Room – Standard Ceiling Tile



Men's Toilet Room



Main Corridor



Main Office Carpet Over Tile



Main Office



2nd Floor Break Room



2nd Floor Storage Area



Spline Ceiling at Meeting Room

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1.) 1952 (Levi A. Geniesse) – **ORIGINAL** 2.) 1983 Addition (Berners-Schober) –**SOUTH** 3.) 1987 Addition (Berners-Schober) -**NORTH**	**Gross Area**	96,500 SF
Occupancy Classification *(Chapter 3 of IBC)*	B- business at offices, separated from S-1 Moderate Hazard Storage (due to storage of tires and motor vehicle repair)		
Construction Type *(Chapter 6 IBC)*	Construction Type II-B		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

Egress and Safety

Two legal means of egress are provided from all areas of the building. See below for stair shaft discussion in relation to egress from 2nd floor.

Stair Shafts

The stair shaft within the office area of the building does not have a door at the top of the shaft. The hardware indications on the door frame at the top indicate that it did have a door at its original construction. The other exit from 2nd floor is a stair shaft leading down and directly to the exterior. The door on this shaft has a half light and is unrated. At least one of the two exits should have a rated door and frame to create 1-hour rated means of egress from 2nd floor in order to replicate original construction and comply with IBC 1016.1, exception 3.

Hand and Guard Rails

Hand rails at stairs are at 31 ½" height and have no extensions at top or bottom. This does not meet current code, but is grandfathered in as compliant for the time they were installed.

Miscellaneous

Aging pipe insulation is deteriorating and fraying. This should be investigated for possible asbestos content.

Summary of Accessibility/ADA Compliance

Accessible Route

Entry to the building has been modified to include a ramp with handrails directly from an accessible parking stall. The office area itself, including corridors and door widths, is generally accessible. Doors into and between garage areas are also adequate. Several transaction counters within the facility are above accessible height (34"), but as these are not critical for service to other staff members, their accessibility is not an issue.

Areas and functions that are not accessible include the following:

- There are some doorways between the business and storage/garage areas that have steps between floor levels.
- There is no elevator to provide access to the 2nd floor, but there are also very few functions on the upper floor. Storage spaces would not need to be accessible. The owner could make accommodations for an alternate lunch/break room on the first floor if requested to do so. This would address access issues for 2nd floor, should they arise.
- The locker rooms do not have turning radius floor space within the room. Removal of or shortening of the central bench may be able to accommodate this space.

Doors

The building has a combination of push/pull hardware, lever and knob handles. Knobs are not accessible, and not as easy/fast to use as lever handles. Newer doors appear to have been upgraded to lever handles. This should be done for all door and hardware replacements going forward.

Plumbing Fixtures

The following plumbing fixtures do not provide accessibility:

- Showers in both Men's and Women's rooms have a 6" sill at entry. The stalls themselves are not ADA compliant, providing inadequate space and no grab bars or proper controls.
- There are no accessible toilet stalls, although a couple did provide side grab bars.
- Foot-activated handwashing sink.
- Drinking fountain spout is at 38". This is acceptable for standing height access. Additional low height drinking option should be provided as well.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Egress and Safety	F			See stair shaft notes in regard to egress from 2nd floor.
Stair Shafts	HP	$800	CA1	Cost could be more if frame requires re-certification.
Handrails/Guardrails	F			
Miscellaneous Items	HP		CA2	
Accessible Route	F			
Doors	C F		CA3	
Plumbing Fixtures	F			
Showers	HP	$8,000 - $12,000	CA4	
Accessible Toilet	HP	$8,000 - $12,000		Creating 1 accessible toilet is recommended.
Drinking Fountain/Access	HP	$2,000 - $5,000		Provide an accessible drinking fountain or cups at an accessible sink.

NOTES:

CA1. Re-install a fire rated door at top of stair shaft in office area to create a 1-hour rated, legal means of egress. Ensure existing frame is labeled with rating.

CA2. Recommend enlisting the services of a hazardous materials consultant to determine if asbestos is present in frayed insulation at pipes and other areas. Abatement consultant cost not estimated here as it is dependent on scope of work.

CA3. Lever handles would comply with accessibility codes and facilitate ease of use. Lever handles are code requirement for any new or renovated work.

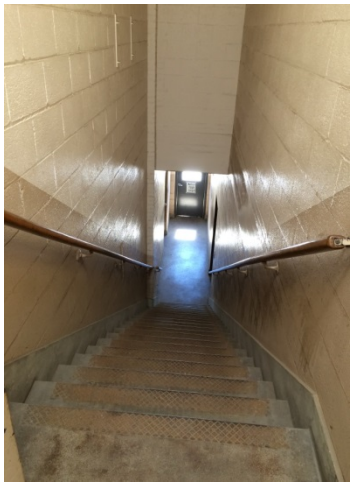
CA4. Under current code, showers would not be required to be provided as part of this facility. However, since showers are provided, an accessible shower should also be provided so that there are equal accommodations.



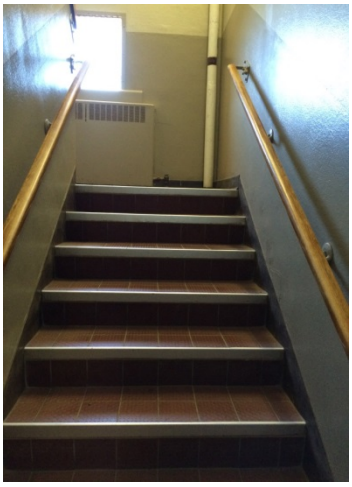
Top of Stair/Exit from 2nd Floor Storage Area



Opening at Stair Shaft – Right Side



2nd Floor Storage Exit Stair to Exterior
No Extensions on Handrails



Stair at Office/Break Room Area
No Extension on Handrails



Frayed Pipe Insulation



Tire Storage Room



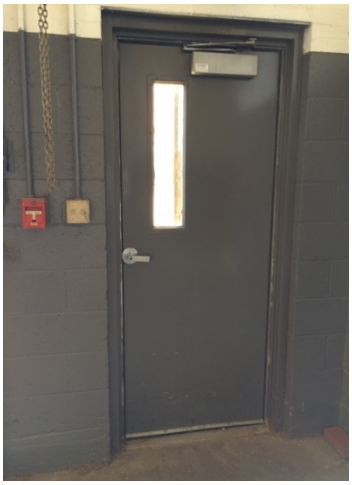
Exterior Accessible Parking and Route



Non-accessible Route within Building



Knob Handle – Typical



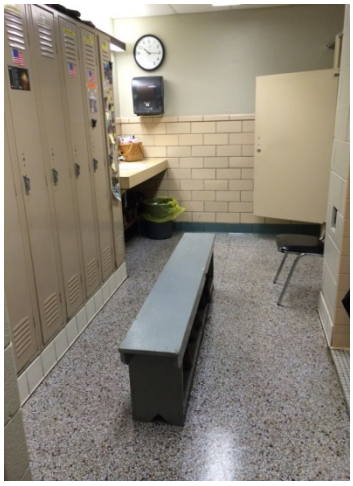
Lever Handles at Newer Doors



Push/Pull Typical at Toilet Rooms



Panic Hardware at Main Entry Doors



Women's Locker Room Lack of Turning Space



Women's Room Non-accessible Toilet



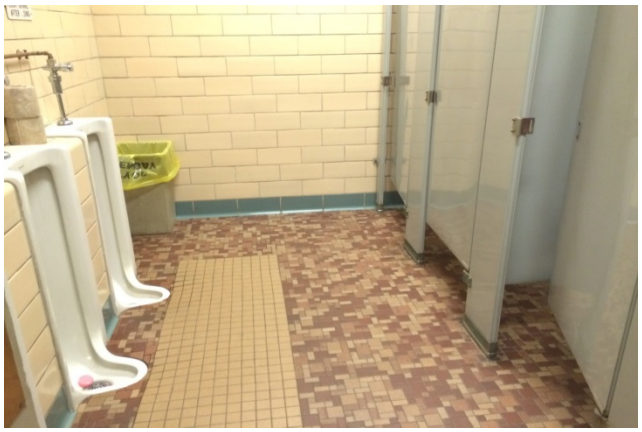
Entrance to Women's Shower



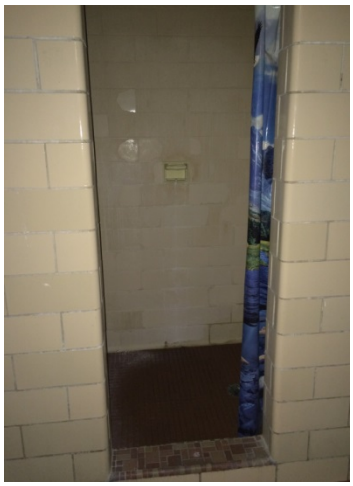
Sill at Entrance to Women's shower



Men's Locker Room
Lack of Turning Space, Foot Activated Water



Men's Toilet Room
Non-accessible Toilets



Men's Shower
Sill at Entrance and Narrow Access



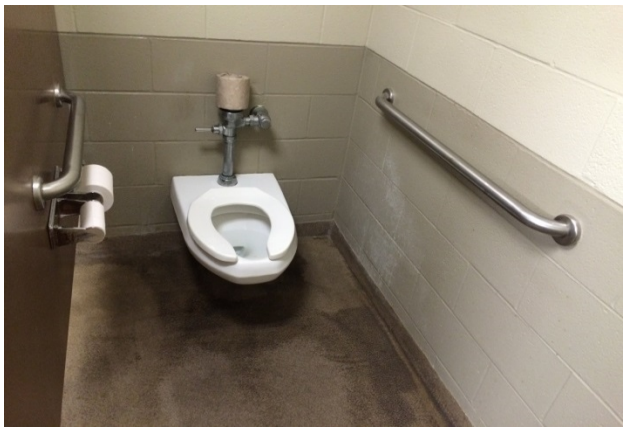
Single-user Unisex Toilet Room
Lack of Grab Bars & Turning Space



2nd floor Unisex Toilet – No Grab Bars
Drinking Fountain – Standing Height Access



Men's Toilet Room – 2nd Floor
Non-accessible Toilets and Urinals (Height)



2nd Floor Men's Room
Grab bars, but not Ambulatory Stall Length



2nd Floor Break Room

STRUCTURAL SYSTEM

Summary

The structure generally consists of steel roof deck over open web steel joists and steel girders bearing on a combination of steel columns and load-bearing masonry walls. West wing of original construction includes a second floor of cast-in-place concrete slabs, beams, and columns. All building segments are supported on a shallow concrete foundation system.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1.) 1952 (Levi A. Geniesse Proj 5203) – **ORIGINAL** 2.) 1983 Addition (Berners-Schober Comm. 3104) – **SOUTH** 3.) 1987 Addition (Berners-Schober Comm 3783) - **NORTH**
Structure type				
Foundations	**C**			Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings.
1st Floor	**C**		**S1, S2**	1.) Original Building a. North & South Garage wings – 7" concrete slab on grade with 4x4 #4/#4 wire mesh reinforcing. b. Repair Shop (NW corner) – 7" concrete slab on grade with 4x4 #4/#4 wire mesh reinforcing over 3 ½" lightweight concrete. c. Offices/Lockers (SW corner) – 5" concrete slab on grade with 4x4 #4/#4 wire mesh reinforcing. 2.) South Addition - 7" concrete slab on grade with 4x4 #4/#4 wire mesh reinforcing, sloped to trench drains. 3.) North Addition - 7" concrete slab on grade with 4x4 #4/#4 wire mesh reinforcing, sloped to trench drains.
Second Floor (Original 1952 bldg. only)	**CP**	$20,000	**S3.**	a. South half is 8"+2 ½" cast-in-place concrete joist-slab on concrete beams and columns. b. North half is 6 ½" solid one-way slab over wide flange steel girders and columns.
Roof	**C**		**S4.**	1.) Original Building a. 2-story SE corner – 1 ½" steel deck on open web steel joists supported on exterior load-bearing masonry walls

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
				and interior structural steel frame of wide flange girders and pipe columns. b. 2-story North half – 1 ½" steel deck on open web steel joists supported on exterior load-bearing masonry walls and interior structural steel frame of wide flange girders and columns. c. Boiler Room – 6" solid one-way slab on concrete beams and load-bearing masonry walls. d. North and South Garage wings – 1 ½" steel roof deck over open web steel joists, wide flange girders, and load-bearing masonry walls. 2.) South Addition a. 1 ½" steel deck on 36" "LH" series open web steel joists supported on original exterior load-bearing masonry walls on the north, and load-bearing masonry/steel frame at the south end. b. Brine Storage and Wash Bay at the far east end are 8" precast prestressed plank on load-bearing masonry walls. 3.) North Addition – 1 ½" B-20 steel deck over open web steel joists, wide flange girders, and wide flange or concrete filled steel tube columns.
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams, columns, walls, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There are various locations of minor shrinkage cracking of concrete floor slabs, but they do not pose a structural concern and no remedial action is recommended at this time.

S2. There are several locations throughout the building where there are significant cracks in the interior concrete masonry that do not extend through the exterior brick. This is a common occurrence in bonded brick and block walls when control joints are not present, due to the fact that the brick wants to expand due to moisture and temperature changes, and concrete block wants to shrink. There is however, one location on the far east wall of the north garage wing where the crack in the block did extend through the brick and was caulked and sealed with foam insulation. Of the locations observed, the cracking is not currently impairing the load-carrying capacity of the walls, and no remedial action is recommended at this time.

S3. In the 2-story wing of the original construction, there is significant cracking and shifting of the upper corner of the central bearing wall, as seen from the south face of the wall in the second floor conference/storage room. The masonry in the upper corner of this wall is cracked and shifted out to the north. In relation to the exterior west wall elevation of the building, this coincides with the location where the west wall makes a 2-foot offset to the east and is tied into the taller masonry walls of the north half of the 2-story portion of the building. Within this 2-foot offset, there is a vertical control joint in the brick. However, this control joint does not appear to extend through the block backup in the conference/storage room. This indicates that brick expansion of the south half of the west wall has pushed the block to the north, causing the damage seen in that central bearing wall. This shift of the brick on the west side of the control joint is also evident when looking down the offset portion of the wall from the roof. Structurally, this damage is not currently impairing the load-carrying capacity of the wall. However, as the wall will continue to go through expansion-contraction cycles through the seasons, the risk of water infiltration and further damage will continue to increase. Further analysis and some repair work at this location are recommended in the near future.

S4. There are several locations of spalled brick above column locations at the south garage wing. Based on the appearance of the surfaces of these steel columns, the spalling is likely due to vehicle impact. Any brick repair at these locations would be only cosmetic in nature.



Concrete Slab Shrinkage Cracking (Note S1)



Cracking of Interior Concrete Masonry (Note S2)



Cracking of Interior Masonry Including Exterior Brick (Note S2)



Exterior Brick Opposite Masonry Cracking (Note S2)



Brick Damage at South Garage Wing
(Note S4)



Cracking of Interior Concrete Masonry
(Note S2)



Cracking of Masonry in 2nd Floor Conference Room
(Note S3)



West Wall 2 Foot Offset and Control Joint
(Note S3)



Brick Cracking at West Wall Parapet
(Note S3)

PLUMBING SYSTEMS

Summary

Westside garage was constructed in approximately 1952, with additions in 1983 and 1987. The original piping is in fair condition, it has been replaced as needed when issues arise. Insulation could be added to the hot water piping for energy savings. Thermostatic mixing valves (TMV) and backflow prevention should be added to the systems. These are code issues which need to be corrected.

Building is served by numerous roof drains. Some of the roof areas have relief scuppers.

Plumbing fixtures are older and could be updated to conserve water. Building utilities in general appear adequate.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	PVC & cast iron
Storm/Clearwater Piping	F		P3	Cast iron
Valves	F		P4	Gate & ball
Domestic Water Service	C		P5	3" main
Insulation	HP	$20,000	P6	Add insulation
Code Issues	D	See below	P7	TMV, Backflow Prevention
Equipment				
Domestic Water Heater	F		P8	(2) gas-fired
Recirculation Pump(s)	F	$6,000	P9	
Water Softener	F		P10	
Thermal Mixing Valve (TMV)	D	$4,000	P11	Add TMV (code issue)
Kitchen Equipment	NA			
Plumbing Fixtures	F		P12	
Backflow Prevention	D	$5,000	P13	Add vacuum breakers
"Shop" Air Compressor	F		P14	Quincy QR370
Salt Brine System	F		P15	
Ambulance/Truck Garage	F		P16	Trench drain, garage catch basin
CW Booster Pump	F		P17	

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Exterior				
Storm Drainage, Roof Drains	F		P18	
Eyewash(es)	D	$3,000	P19	Add TMV's to eyewash
Utilities	F		P20	3" water main, 5" sanitary sewer

NOTES:

P1. Water piping is mainly copper, soldered joints. Fair condition. Cold water piping main has a small booster pump installed.

P2. Original sanitary is cast iron, hub & spigot. Piping from the later additions is cast iron no-hub.

P3. Storm piping is cast iron hub & spigot. Older piping is not insulated.

P4. Older valves are gate, newer valves are ball.

P5. Building is served by a 3" water main. 3" water meter with 3-valved by-pass. Fire protection has a separate main to serve the building.

P6. Water and storm piping is not insulated. Insulation should be added for energy savings and to control noise issues. Existing insulation from 1952 probably contains asbestos and will require abatement.

P7. Code issues: water temperature is set above the maximum 110° Fahrenheit. No thermostatic mixing valve (TMV) at the heater. Add TMV per code. Eyewashes require tempered water – add TMV's to the units. Faucet or hose connections should have threaded hose end vacuum breakers installed.

P8. Water heater is gas fired, direct vent to exterior, AO Smith Commercial, 160,000 BTU. Vintage 1990. There are (2) AO Smith 180 gallon storage tanks – model #TJV200M. There is a separate gas-fired water heater for the truck wash.

P9. Hot water recirculation pump is a Bell & Gossett. Heater in the truck wash doesn't have a recirculation pump.

P10. Small residential Culligan water softener is installed in the truck wash.

P11. Add TMV to the water heater. Set hot water temperature to 110° Fahrenheit. Code issue.

P12. Plumbing fixtures: No compliant ADA handicap fixtures in the building. Water closets are floor mounted or wall-hung with flush valve. Vitreous china lavatories are wall-hung or counter mounted with various lever handle faucets, no safety covers installed. Men's locker room has a stainless steel wash fountain. Older urinals are floor mounted, exposed piping. Newer urinals are wall-hung at approximately 24" aff. (non-ADA height). Showers are built-up tile units with valve – poor condition. Electric water coolers are single units at various heights. Janitor sink faucet(s) and hose connection(s) should have a hose end vacuum breaker installed. Various hose connections in the truck wash.

P13. There is a Watts 009 RPZ backflow in the mechanical room for the HVAC equipment. Numerous hose connection in the truck wash should have an elevated atmospheric vacuum breaker installed. Faucets with hose connection ends need to have a threaded hose end vacuum breaker installed.

P14. Quincy QR370 air compressor with vertical receiver installed for the shop area.

P15. Newer salt brine system with pumps and storage tanks installed. Connection to the domestic water has an RPZ backflow preventer installed.

P16. Garage/Shop areas: Trench drain(s) route to garage catch basins.

P17. Domestic water is boosted by a small in-line booster pump. Pump could use a control panel or sensors to be more efficient.

P18. There are interior roof drains which route through the building. Drains are in fair condition, but have some issues with tree debris clogging the drains. Some wall sections have parapet relief drains installed. Storm piping is not insulated.

P19. Eyewash in the shop/garage area requires a TMV for tepid water. Eyewash on the faucet (lavatory) is also not a code compliant unit – install TMV.

P20. Building is served from a 3" water main. Fire protection has a separate 8" main. Sanitary sewer is 5". Utilities route from Oneida Street. Storm sewers from the buildings and parking lots/drives route to a 15" and 18" sewer east of the building. These sewers route to a 42" storm sewer south.



Water Main



Water Main & Meter



Water Piping



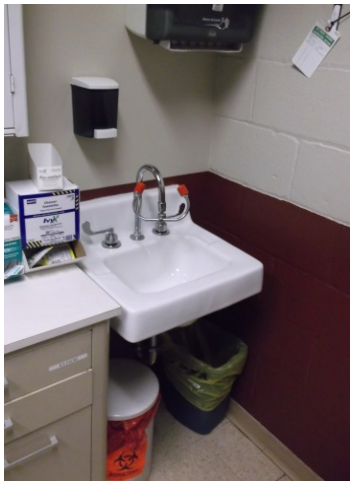
Storm Piping



Sanitary & Vent Piping



RPZ Backflow Preventer (Serves HVAC)



(Non-compliant) Eyewash



Water Heater – Gas Fired



Hot Water Storage Tanks



Water Heater – Truck Wash



HWR Recirculation Pump



Water Softener



Clearwater Sump & Pump



Water Closet



Water Closet & Lavatory



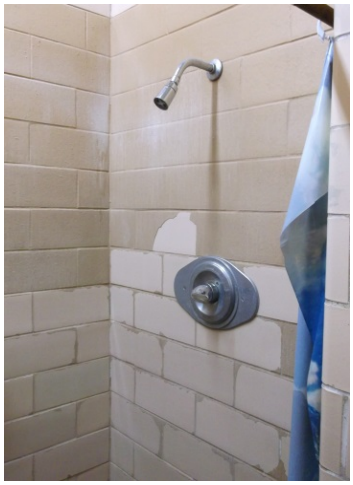
Urinals



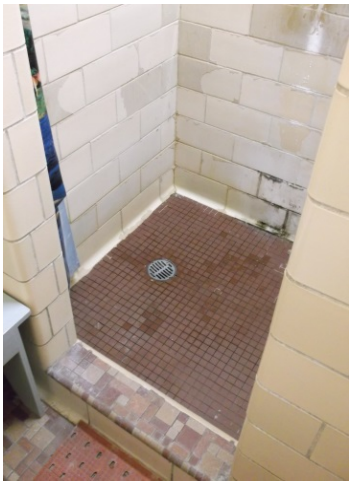
Wash Fountain



Lavatory



Shower



Shower



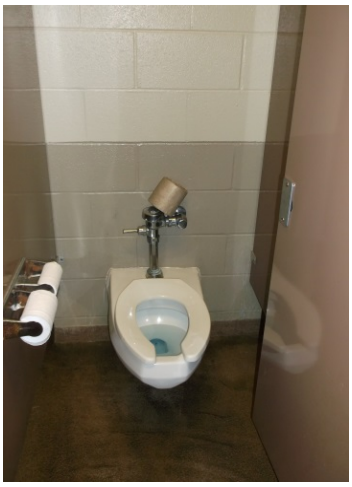
Electric Water Cooler



Water Closet & Lavatory



Wall-hung Urinals



Wall-hung Water Closet



Janitor's Sink



EWC and Eyewash



Breakroom Sink



Hose Connection



Hose Connection



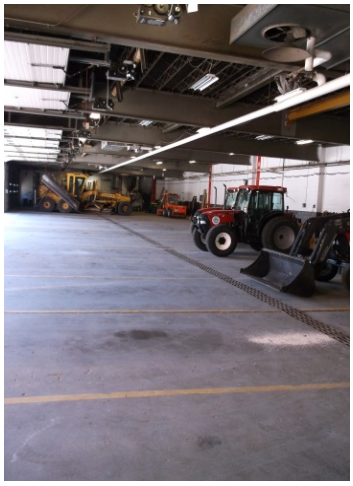
"Shop" Air Compressor



Salt Brine System



Truck Wash Bay



Trench Drain – Garage



Trench Drain



Trench Drain, Manhole



Garage catch Basin



Roof Drain



Roof Drain



Roof Drain, Sanitary Vent



Cold Water Booster Pump

FIRE PROTECTION SYSTEMS

Summary

The West Side Municipal Garage is a partially sprinkled building. An 8" dedicated water service main enters the building through the floor on the west side of the repair garage and reduces to 6" inside the building.

The repair garage area of the building is sprinkled, while the remainder of the building is unsprinkled. The system appears to be in overall fair condition, with normal aging/corrosion on the pipes for the age of the system.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

FIRE PROTECTION	GRADE	BUDGET COST	NOTES	COMMENTS
Water Service	**C**		FP1	8" Water Service.
Backflow Prevention	**D**	$7,000	FP2	
Fire Pump	**NA**			
Fire Pump Controller	**NA**			
Jockey Pump	**NA**			
Jockey Pump Controller	**NA**			
Wet Pipe Sprinkler System	**F**		FP3	
Valves	**F**			
Piping	**F**			
Sprinkler Heads	**D**	$4,000	FP4	
Percent of Building Unit Sprinkled	**30%**		FP5	
Other Fire Protection Systems				
Pre-action System	**NA**		FP6	
Kitchen Hood System	**NA**		FP6	

NOTES:

FP1. The 8" water service enters the building through the floor of the west side of the repair garage. The water supply is dedicated to the fire sprinkler system and is sized adequately to allow for future expansion of the sprinkler system into the remainder of the building.

FP2. OS&Y gate valves are installed on the system riser with a wall mount indicating valve extending through the exterior wall allowing shutoff from the exterior of the building. A check valve is installed in the system riser, but does not meet backflow prevention requirements. A double check valve backflow preventer is required to be installed between the domestic water supply and the fire sprinkler system.

FP3. The repair garage area and the second floor storage room are protected by the automatic fire sprinkler system. The remainder of the building is unsprinkled. The second floor storage room is home to several racks of tire storage. It is unclear whether the sprinkler system was designed to protect against this hazard, but if that was not the room's original intent it is unlikely that the room was designed to protect against tire storage.

FP4. No sprinkler heads are installed below the garage doors in the repair garage. Sprinkler heads are required under all obstructions wider than 4'-0" including garage doors.

FP5. The repair garage and second floor storage room are sprinkled. The remainder of the building is unsprinkled.

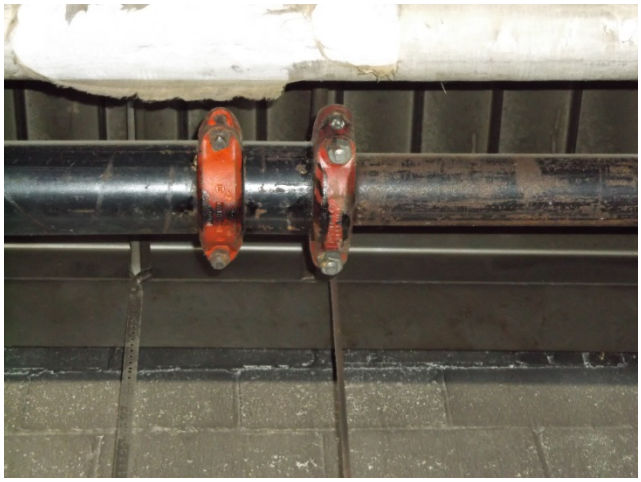
FP6. No kitchen hood system, pre-action system, or clean agent systems are present in this building.



No Sprinkler Heads below Overhead Doors



System Riser



Coupling Showing Signs of Leaking

HVAC SYSTEMS

Summary

The original building was constructed in 1952 with addition projects constructed in 1983 and 1987. The majority of the HVAC ventilation equipment is original to one of these three projects except for the power roof ventilators. The fans vary in size, condition, and age as the units have been upgraded and replaced on an as-needed basis over the last 60 years.

A steam boiler is original to the 1952 construction. A second boiler and some ancillary equipment have been replaced with equipment that was relocated from the downtown mall just prior to the mall's demolition. A steam to water heat exchanger system originally serving an in-floor heat system under the original repair garage has been abandoned.

The ventilation system in the salt brine solution room was installed and revised. A new unit heater and ventilation louver was installed. This room was previously the paint shop. The original gas fired heating units remain, however it is believed these units are abandoned as new unit heater, fan, and ventilation louver have been installed in this room.

The 1983 addition installed an air unit and chiller to serve the offices, locker rooms, and similar ancillary spaces within the addition and original 1952 building. Steam radiators with Danfoss valves are used for local heat throughout these spaces. Some occupied spaces of the original 1952 building are not ventilated.

The 1952, 1983, and 1987 storage and repair garages are served by make-up air units equipped with steam heating coils. The equipment appears to be original to the construction projects. These systems are in general, well past their expected useful life. The maintenance staff has indicated that some of the air unit components have failed and repairs are needed to maintain space temperature prior to the 2015/2016 heating season. The garage exhaust requirements are served by multiple power roof ventilators. These fan systems vary in size, age, and condition. Radiant heaters are installed in the 1987 repair garage addition.

A recent energy efficiency project replaced all of the steam traps in the building. Multiple valves and other components on the steam system continue to leak.

The building's control system is antiquated and multiple components have failed. Staff indicated that the system air lines in the building are plugged and/or leak severely. This restricts the ability of the pneumatic actuators on the make-up air units and heating units to operate properly and leads to space temperature fluctuations or over/under heating of the spaces.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Office/Locker Rooms				
Housing	HP	$150,000	H1	Installed 1983. Trane modular unit.
Coils	HP	Incl.	H1	Steam, Chilled water.
Fan	HP	Incl.	H1	6800 CFM, 5HP.
Filters	HP	Incl.	H1	30%
Controls	HP	Incl.	H1	Pneumatic actuators.
Ductwork	F			Original. Some duct leakage.
Insulation	F			Repair around air unit when air unit is replaced.
Occupied Area Ventilation	D	$150,000	H1	Parts room and training room are not ventilated. Other rooms could be included if occupied as well.
Chiller				Installed 1983
Housing	HP	$50,000	H2	Nominal 30 ton. Glycol.
Pumps	F			60 GPM @ 40 FT., 1.5 HP
Insulation	F			Some minor damage on the outside piping.
Exhaust Fans				
Office/Locker Area	C		H3	Power roof ventilators of various sizes and ages.
Ductwork	HP	$15,000	H3	Mostly original ductwork. Dirty and leaks. Duct cleaning, sealing and balancing is recommended.
Boiler System				
Boilers	HP	$400,000	H4	Relocated Cleaver Brooks Boiler-627,000 BTUH, Refractory repair in 2015. 1952 Kewaunee Boiler, 5,550 MBH. Inspected 2012.
Condensate Pump	HP	$10,000	H4	Condensate pump is old and in poor shape. 15,000#-3/4HP, 6,000#-1/2HP.
Deaerator	F		H4	Relocated from downtown mall? (2) 1/3 HP transfer pumps in good shape.
Piping	HP	$20,000	H4	Original to the buildings construction. Traps replaced. Original 1952 valves, unions in need of minor replacement with equipment replacement projects.
Pipe Insulation	HP	$25,000	H4	Most insulation is in fair shape for its age. A number of spots are bare or have

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
				damaged insulation.
Room Terminal Units	CP	$30,000	H4	Manual control on original radiator units. Pneumatic system has leaks and is plugged in some locations. Replace with low voltage DDC during major system upgrades.
Mechanical Room Ventilation	D	$15,000	H5	Boiler room is not ventilated. Staff indicated this is currently a planned project.
Controls				
Air Compressor	C		H6	Speed-Air 14.6 SCFM Shop air unit is 15 HP
Air Dryer	C		H6	Dryer on temperature control system is in good shape but lines already leak and contain condensation causes plugs.
Building Management	CP	$100,000	H7	Minimal operator interface capability. Upgrade required prior to or with equipment replacement projects.
Salt Brine Room			H8	
Make-up Air Unit	HP	$30,000	H8	Roof top gas fired units are original to 1983 project appear to be abandoned. Remove and review the room's ventilation/heat.
Ventilation	N			New dampers and control.
Heater	N			Steam.
Piping/Insulation	HP	$500	H8	Insulation is missing.
Control	N			
1952 Garage Ventilation				
Make-up Air Unit	CP	$360,000	H9	Original air units with steam coils. 10,000 CFM and (4) 4,000 CFM units.
Exhaust	HP	$20,000	H9	Various sizes and ages.
Heaters	HP	$10,000	H9	Steam, Various sizes, Older units.
Piping/Insulation	CP	$20,000	H9	Piping is original and components continue to leak. Insulation is damaged in many locations, missing where previous repair work has occurred or fallen off.
Control	CP	$25,000	H13	Old pneumatic controls. Air lines are plugged/leak.
In-Floor Radiation	NA			Abandoned system
1983 Garage Ventilation				
Make-up Air Unit	CP	$235,000	H10	(2) 8500 CFM, 5HP, Steam Coils
Exhaust	CP	$20,000	H10	Power roof ventilators. Too close to roof edge.

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Control	CP	$20,000	H13	Control components have failed. System requires some manual operation.
1983 Wash Bay Ventilation				
Exhaust	HP	$10,000	H11	Multiple fans, upsize for additional air flow.
Heaters	HP	$5,000	H11	Piping insulation is deteriorating due to high humidity.
Control	CP	$5,000	H11	Pneumatic.
1987 Garage Ventilation				
Make-up Air Unit	CP	$160,000	H12	Installed 1987, 18000 CFM, 15 HP, steam coil.
Exhaust	CP	$20,000	H12	Power roof ventilators of various sizes and ages.
Circulation Fans	F			Newer and Older units.
Control	CP	$20,000	H13	Timers with pneumatic operators. Fans manually operated.
Repair Garage Vehicle Exhaust	F		H12	Dedicated capture fan connected to vehicles via hoses. Above and below grade ductwork.
Radiant Heaters	HP	$50,000	H12	Some unit components replaced.

NOTES:

H1. An air unit with glycol chiller was installed in 1983 to ventilate the office and locker room area. The unit is past its expected useful life. There are areas of the building that are occupied but are not ventilated. An air unit replacement project is recommended to replace the air unit, chiller, and extend ventilation to all occupied rooms. VAV terminals or reheat coils installed at each room will provide individual room control.

H2. This unit serves the 1983 air unit. Replacement of the air unit with a larger system will require the replacement of the chiller. To serve the new units cooling load a chiller or DX system is recommended to be installed with the air unit replacement project.

H3. The exhaust fans in the building have been replaced as they have failed. These units vary in size and age. The locker rooms appear to be properly ventilated, however these rooms are dirty and the exhaust system is quite dirty which reduces air flow. The ductwork is 32 years old and the joints leak. A project to seal and clean the ductwork is recommended.

H4. The original boiler is past its expected useful life. The equipment relocated from the downtown mall is in fair shape. The boiler fill pumps have newer motors and the refractory on the boiler has been repaired. The condensate pump is in poor shape and replacement is recommended. Piping is original to the three main construction projects. All steam traps have been replaced due to failure. Some original piping components and joints leak and a project to replace valves, replace and renovate piping and insulate piping components is recommended.

Replacement of the original boiler is also recommended. If the garages are switched to gas heat, then the steam boilers are no longer necessary and both boilers could be replaced with high efficiency condensing boilers. If steam is retained, a hot water boiler or a steam to water heat exchanger system is recommended to replace the existing, abandoned system. This will allow hot water to serve the office and locker area heating devices and provide reheat coils within the ductwork, which will provide individual room thermal control.

H5. The boiler room is not ventilated and the room temperatures easily reach 100 degrees in the winter months. Staff indicated a boiler room ventilation project is currently budgeted.

H6. The building temperature control air compressor and air dryer are relatively new. However, the airlines are old and previous failure of the air dryer has caused plugged airlines. In addition, the airlines leak badly which limits the ability of the system to operate the pneumatic actuators which causes thermal issues throughout the building. It is recommended to replace the pneumatic components with low voltage DDC as equipment is replaced.

H7. The building management system is primarily pneumatic and the system is failing. New equipment will require a new building management system and a new DDC system will allow staff to monitor the equipment from either garage site or another remote location. It is recommended to install a new building management system with a major equipment replacement project. The pneumatic systems are recommended to be phased out and replaced with low voltage DDC.

H8. The salt brine room was renovated when the city began using this solution in lieu of straight salt. The paint room was renovated to create this room. The make-up air units remain on the roof and these units are past their expected useful life and quite large for this space. A replacement project is recommended to replace the air units with right sized equipment. The equipment can remain gas fired or may switch to steam.

H9. The repair and storage garage heating and make-up air systems appear to be original with repairs and modifications made in subsequent addition and remodeling projects. The make-up air units and exhaust fans appear to be sized to meet/exceed ventilation requirements, but have exceeded their expected useful life. Staff has indicated that some of the unit components have started to fail and the units are requiring increased maintenance.

Exhaust fans are of varying sizes and conditions as they have been replaced on an as needed basis. Some units are currently past their expected useful life. Some units are located immediately adjacent to a roof edge. It is recommended to relocate the fans or install guard rails at these locations when the fans require replacement.

The air units utilize steam coils to provide heat. The piping is original to each construction project. The majority of the piping and insulation is in good shape. However there are locations where piping is missing or damaged, primarily in locations where maintenance work has been required. It is recommended to repair the insulation when the air units are replaced.

Circulation fans have been added to the repair garages through the years. In general these fans are in fair condition.

Radiant heat is installed in the 1987 addition. Staff indicated the radiant heat is desirable in the winter months when repairing vehicles and the large overhead doors are continually opening and closing. There is a desire to install radiant heat throughout the 1952 repair garage area.

A project to revise the make-up air, exhaust air, heating units and install radiant heat is recommended to improve ventilation, thermal comfort, and occupant safety.

H10. The storage garage heating and make-up air systems appear to be original with repairs and modifications made in subsequent addition and remodeling projects. The make-up air units and exhaust fans appear to be sized to meet/exceed ventilation requirements, but have exceeded their expected useful life. Staff has indicated that some of the unit components have started to fail and the units are requiring increased maintenance.

Exhaust fans are of varying sizes and conditions as they have been replaced on an as needed basis. Some units are currently past their expected useful life. Some units are located immediately adjacent to a roof edge. It is recommended to relocate the fans or install guard rails at these locations when the fans require replacement.

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A project to revise the make-up air, exhaust air, heating units and install radiant heat is recommended to improve ventilation, thermal comfort, and occupant safety.

H11. The wash bay equipment appears to be, in general, original to the addition. The heaters, piping, and insulation are deteriorating due to the high humidity within the space. Multiple exhaust fans serve the wash bay and are located near the roof edge. Replacement projects should revise the fan location or installation of guard rails. A project to replace the heaters, increase ventilation, and repair the piping and insulation is recommended.

H12. The repair and storage garage heating and make-up air systems appear to be original with repairs and modifications made in subsequent addition and remodeling projects. The make-up air units and exhaust fans appear to be sized to meet/exceed ventilation requirements, but have exceeded their expected useful life. Staff has indicated that some of the unit components have started to fail and the units are requiring increased maintenance.

The air units utilize steam coils to provide heat. The piping is original to each construction project. The majority of the piping and insulation is in good shape. However there are locations where piping is missing or damaged, primarily in locations where maintenance work has been required. It is recommended to repair the insulation when the air units are replaced.

Exhaust fans are of varying sizes and conditions as they have been replaced on an as needed basis. Some units are currently past their expected useful life. Some units are located immediately adjacent to a roof edge. It is recommended to relocate the fans or install guard rails at these locations when the fans require replacement.

Circulation fans have been added to the repair garages through the years. In general these fans are in fair condition.

In the repair garage area, vehicle exhaust capture systems are installed. These are located overhead and underground. These systems appear to be in fair condition.

Radiant heaters are installed in the repair garage area. Staff indicated the radiant heat is desirable in the winter months when repairing vehicles and the large overhead doors are continually opening and closing. There is a desire to utilize more radiant heat throughout the repair garage area and plan to install during a major equipment replacement project. The currently installed units appear to be in fair condition. The HP grade allows for a budget number to appear in the executive summary.

A project to revise the make-up air, exhaust air, and heating units is recommended to improve ventilation, thermal comfort, and occupant safety.

H13. An enclosed repair and storage garage has specific exhaust code requirements and the garage is required to have a negative pressure in relation to the other occupied spaces. A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. The existing control systems have or are failing and many of the exhaust fans are manually operated. It is recommended to revise/replace the exhaust control systems in the repair and storage garages to improve ventilation and occupant safety.



1952 Garage Air Unit



Storage Garage Air Unit



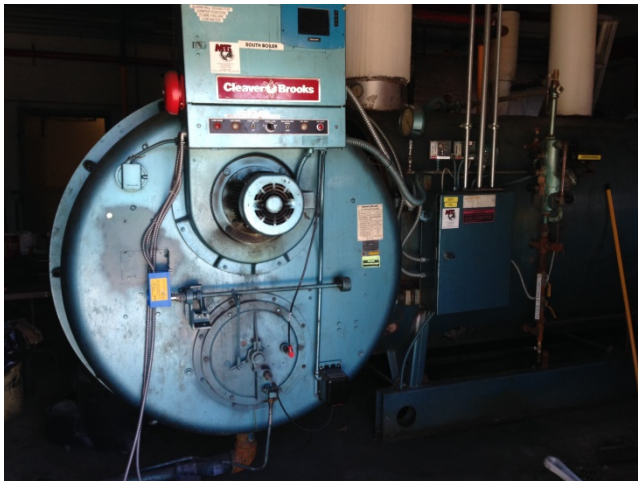
Old Paint Shop Air Unit



Storage Garage Make-up Air Unit



1987 Garage Make-up Unit



Boiler



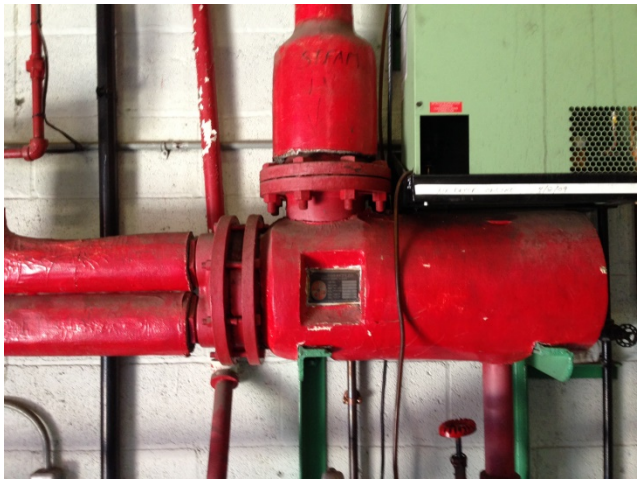
Boiler



Deaerator



Unit Heater (Typical)



Steam Heat Exchanger (Abandoned)



Return Fan



Office Air Unit



Condensate Pump



Salt Brine Room Heater (Uninsulated Pipe)



Older Garage Ventilator



Fan (Located Near Roof Edge)



Vehicle Exhaust Fan



PRV (Typical)



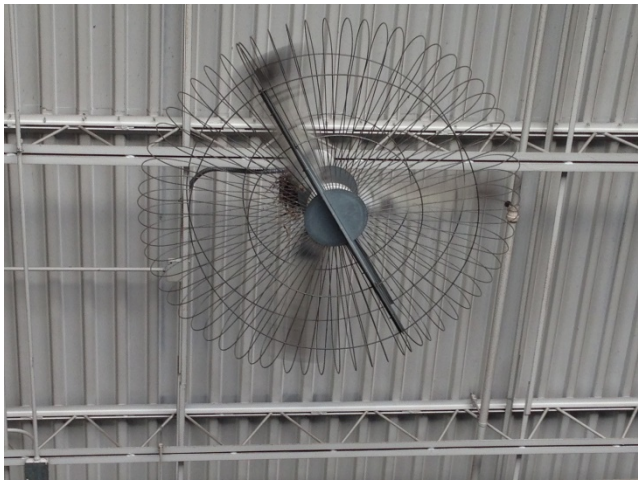
Supply Duct (on Roof)



Vehicle Exhaust Hoses



Chiller



Circulation Fan



Radiant Heater



Underground Vehicle Exhaust



Control Panel



Temperature Control Air Compressor



Gas Meter



Control Panel

ELECTRICAL SYSTEMS

Summary

The building is served by an 800 Amp, 120/208 Volt, three phase electrical service originating from a pad-mount transformer located west of the building. The main distribution panel (MDP) is a fusible-switch type manufactured by ITE. It is believed to be original to the building (circa 1956). ITE is no longer manufactured. The enclosure's cover has several spots that are corroding. There is one spare switch for expansion; it is rated 200 amps. MDP's main nameplate erroneously lists the equipment as 480-volt.

A 100-kW natural gas-fired generator provides standby power. The generator is enclosed within a weather-housing unit despite being located inside. It feeds an automatic transfer switch (ATS) rated 300 amps. The ATS is quite dirty (inside and out) and would benefit from a thorough cleaning. It appears the generator is serving both emergency loads (life safety related) as well as non-emergency loads.

Branch panels are mostly manufactured by ITE and Westinghouse – both companies no longer manufacture panelboards. Overall the condition of the branch panels is good, but their age means replacement circuit breakers will become increasingly difficult to acquire.

Receptacles within the garage are not all GFCI protected.

Generally lighting fixtures are in good to fair condition, and utilize T8 lamps and ballasts. Lighting fixtures in the vehicle sash bay are in need of replacement as they are literally being held together with tie wraps. HID building mounted fixtures are in fair condition.

The network computer and radio equipment is located behind a hinged two-sided wood paneled enclosure in the office. Although the ambient temperature didn't seem too warm, this equipment is susceptible to heat, and works best in environments where temperature and ventilation is controlled specifically for electronics. The equipment would also benefit from a thorough cleaning.

There is a fire alarm system throughout most of the buildings identified as A, B, C, and D – although its application generally doesn't meet today's code. There doesn't appear to be any fire alarm in Building E. The Fire Alarm Control panel is a Fire Lite model MS-4.

An overhead electric feeder to an outside crane utilizes non-metallic sheathed cable (often referred to as Romex). Non-metallic sheathed cable is not approved for exterior applications.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Distribution Panel	F	$30,000	E1,E2, E9	Enclosure beginning to corrode; age lessens reliability; lubricate. Plan for replacement.
Branch Panels	F	$20,000	E2	Mostly a mix of Westinghouse and ITE panels. Although in fair condition their age lessens their reliability and will eventually make it difficult to find replacement parts. Plan for replacement.

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Emergency Power Distribution Equipment				
Automatic Transfer Switch	C	$1,000	E3,E4	300-amp Onan – thorough cleaning and preventive maintenance recommended; some status lights not working
Branch Panels	F	$7,500	E2	Mostly a mix of Westinghouse and ITE panels. Although in fair condition their age lessens their reliability and will eventually make it difficult to find replacement parts. Plan for replacement.
Power				
Receptacles	D	$1,500	E5	Garage receptacles need to be GFCI.
Lighting				
Garage and Utility Areas	C			Industrial fixtures with T-8 lamps in good condition.
Interior Spaces	C	$3,000	E6	T-8 lamps; lighting in good condition. Suggest replacing paracube lenses with acrylic prismatic lenses
Exterior	F	$3,500	E7	Replace HID with LED.
Emergency Egress Lighting				
Emergency Egress Lighting and Exit Signs	CP	$20,000	E8	Add a second ATS and panelboards or add Unit Equipment (battery equipment) dedicated to emergency egress lighting
Fire Alarm				
Audible and Audible/Visual Alarms	HP	$5,000		Add audible and audible/visual alarms to comply with current Code.
Upgrade to an addressable control panel	F	$30,000	E10	Plan replacement of existing zoned system with an addressable system.
Telecommunications				
Data/Voice	C			Data server equipment in good condition with Cat 5 cabling.

NOTES:

E1. The corrosion evident on the enclosure's cover is likely also affecting the mechanical parts of the fusible switches. Eventually this corrosion will prevent the switch from operating correctly.

E2. Replacement parts and circuit breakers will eventually be unavailable due to the equipment's age and the fact that the manufacturer is no longer in business.

E3. Dust and dirt can be conductive; a thorough cleaning is recommended.

E4. Repair lights that report the generator's status.

E5. Code requires ground fault protection be provided for receptacles located in garage areas, outdoors, within 6-feet of a sink, and serving work benches.

E6. Replacing paracube lenses with acrylic prismatic lenses will brighten spaces, improve lighting uniformity, and make them more appealing.

E7. Replacing HID fixtures with LED fixtures will reduce operating and maintenance costs.

E8. A second ATS and branch panels dedicated to emergency egress lighting is the better option long term since the facility already has a standby generator. While unit equipment (battery operated emergency lighting) is the least expensive first-dollars solution, it has ongoing maintenance material and labor costs related to replacing batteries every 3 to 5 years.

E9. Lubricating mechanical components regularly as part of a preventative maintenance program enhances continued and reliable operation of equipment.

E10. An addressable system provides reporting on each device in the system.



Existing Main Service Equipment



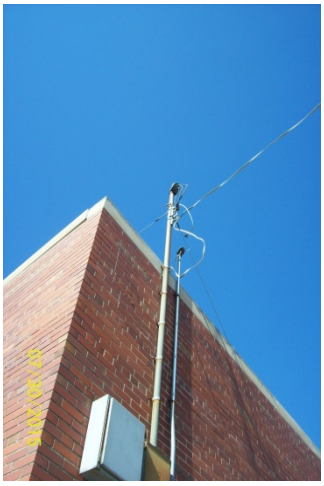
Typical Branch Panels



Network and Radio Equipment



Non-GFCI Receptacle in Garage



Non-compliant Use of Non-metallic Sheathed Cable



Lighting Fixture in Wash Bay (Tie-wrapped)

EVALUATION

OF

CITY-OWNED FACILITITES

VEHICLE STORAGE – BUILDING F

August, 2015

MUNICIPAL GARAGES

SUMMARY

Date of Visit: July 30, 2015
Address: 519 S. Oneida Street

Building Description

Existing Building is a 12" solid masonry wall with brick veneer and concrete block bearing wall, back-up.

There are (7) overhead sectional doors on the south face of the building. They are six-panel doors with no lights. They appear in good working condition.

Minor tuck-pointing and masonry restoration required throughout.

Code/Accessibility

Two legal means of egress are available from all portions of the building. Clear egress corridors are available. There are no interior shafts or stairs. The doors have knob hardware. In the future, these should be upgraded to lever hardware to comply with current code.

As a typically unoccupied building, accessibility would not be a factor in the functionality of this building. The building is at grade.

Structural System

The structure consists of steel roof deck over open web steel joists and steel girders supported by exterior load-bearing masonry walls, all bearing on cast-in-place foundations.

Plumbing Systems

No plumbing systems to report. Building roof pitches to gutters and downspouts. Interior manhole and trench drain have been plugged with debris – possibly capped/removed.

HVAC Systems

This building ventilation and heating system is abandoned. A gas fired make-up ventilation unit previously provided heated ventilation and make-up air for the building. Two roof ventilators previously provided exhaust/relief ventilation. The ventilators are located in opposite corners of the building, immediately adjacent to the roof edge. A warning sign is posted at the entrance to the building indicating "Carbon Monoxide May Be Present."

Electrical Systems

The building is served by a 120/240 Volt, single phase electrical service originating from a pole-mount transformer located on the eastside of the building. The main service disconnect is a fusible switch rated 200-amps. The building has two branch panels – one adjacent to the main service disconnect; one located on the building's west wall. Both panels are Square D load centers; both in good condition. Working clearance (unobstructed access) is an issue at both panels.

Receptacles both on the interior and exterior are not GFCI protected.

Lighting fixtures utilize T8 fluorescent lamps and are in good to fair condition. There is no emergency egress lighting other than exit signs. Exit signs have battery back-up.

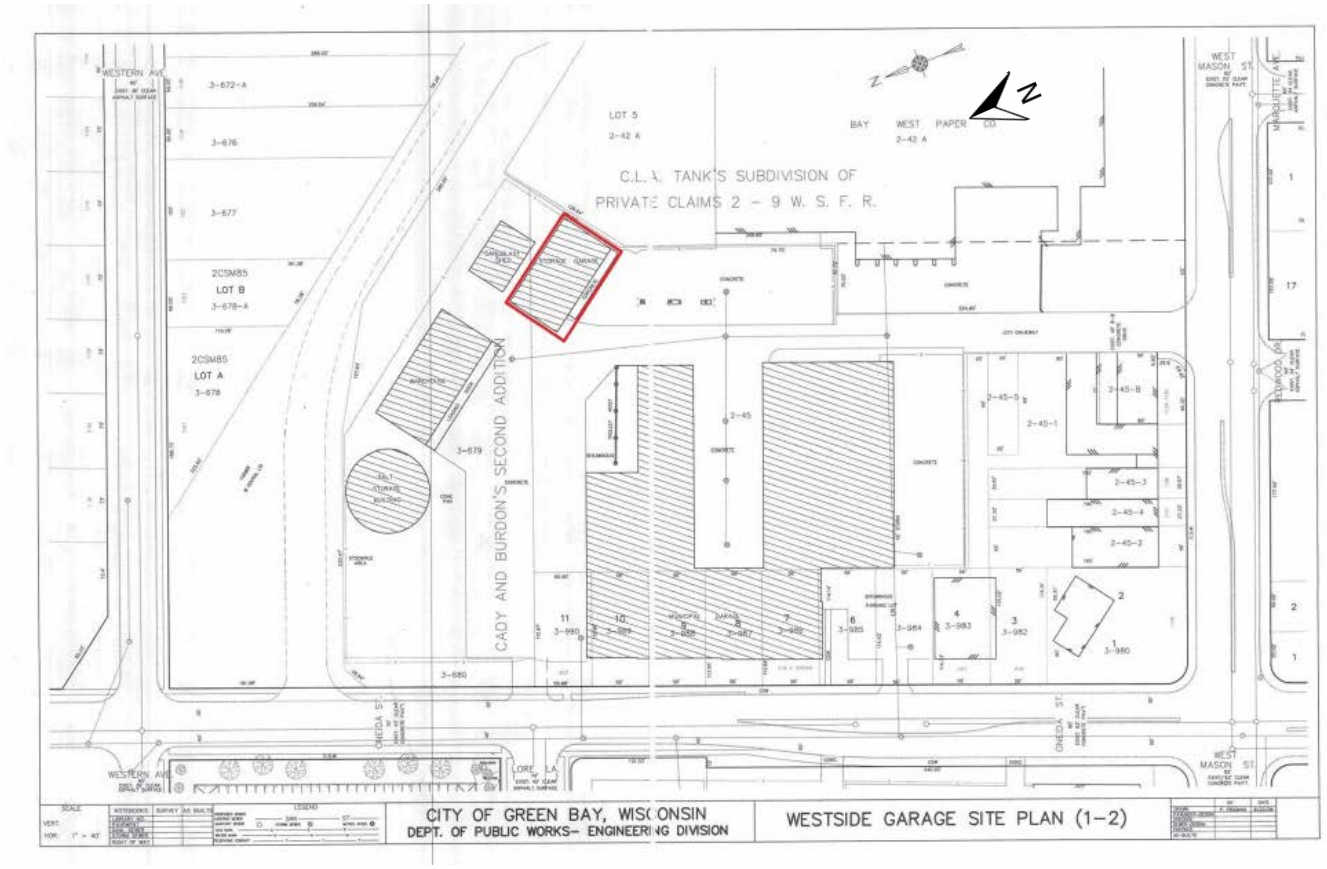
There is a no fire alarm system.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural and Code/ADA			Exterior Facade Condition	**$7,000**
Structural				**NA**
Fire Protection				**NA**
Plumbing				**NA**
HVAC Systems	Air Intake/Make-up			**$1,000**
	Replace Abandoned Heating Equipment			**$50,000**
	Exhaust Fan			**$20,000**
	Control			**$2,000**
HVAC Subtotal				**$73,000**
Electrical			Main Service Disconnect	**$250**
	Receptacles			**$500**
	Exterior			**$200**
		Exit Signs		**$150**
Electrical Subtotal				**$1,100**
Building Total				**$81,100**



Site Plan



Aerial View of Site

ARCHITECTURAL

Building Description

Building F is a masonry structure with overhead doors for vehicle storage and two personnel doors for egress/access. All doors except one of the personnel doors are on the south elevation.

Building Envelope

Exterior Walls

Existing building is a 12" solid masonry wall with brick veneer and concrete block bearing wall, back-up.

There are (7) overhead sectional doors on the south face of the building. They are six-panel doors with no lights. They appear in good working condition.

Minor tuck-pointing and masonry restoration required throughout.

Windows

All original windows previously infilled with concrete block and face brick. Ventilation louvers appear in good working condition; perimeter needs sealant.

Roof

The roofing system is a fully adhered EPDM membrane on tapered insulation, sloping to a gutter and downspout on the back side. The trims, flashings gutters and open faced downspouts are matching break metal. The roofing was installed circa 2005.

Interior Finishes

Floors

Concrete slab floors have some cracking. A former drain running the length of the building was removed and filled in with gravel.

Walls

Building has no interior partitions. See exterior walls for commentary.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Unknown	**Gross Area**	6,000 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group U – Utility and Miscellaneous		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Egress and Safety

Two legal means of egress are available from all portions of the building. Clear egress corridors are available. There are no interior shafts or stairs. The doors have knob hardware. In the future, these should be upgraded to lever hardware to comply with current code.

Summary of Accessibility/ADA Compliance

As a typically unoccupied building, accessibility would not be a factor in the functionality of this building. The building is at grade.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	C			
Exterior Facade Condition	HP	$7,000		
Exterior Door Condition	F		A1	
Window Condition	NA			
Floor	F			

NOTES:

A1. Lever handles would comply with accessibility codes and facilitate ease of use. Lever handles are code requirement for any new or renovated work.



Southwest Elevation



Roofing



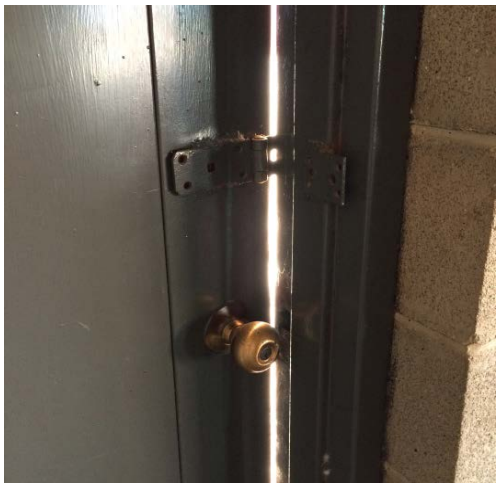
West End of Interior



East End of Interior



South Personnel Door



East Personnel Door

STRUCTURAL SYSTEM

Summary

The structure consists of steel roof deck over open web steel joists and steel girders supported by exterior load-bearing masonry walls, all bearing on cast-in-place foundations.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				Unknown
Structure type				
Foundations	**C**		**S1**	Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings.
1st Floor	**C**			7" concrete slab on grade with 6X6 #6/#6 wire mesh reinforcing.
Roof	**C**			1 ½" A-20 steel deck on open web steel joists and wide flange steel girders supported on exterior load-bearing masonry walls
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams, columns, walls, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**		**S1**	The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There are various locations of minor shrinkage cracking in the concrete slab on grade. No remedial action recommended at this time.



Concrete Slab Shrinkage Cracking



Concrete Slab Cracking

PLUMBING SYSTEMS

Summary

This is a masonry building.
No plumbing systems to report. Building roof pitches to gutters and downspouts. Interior manhole and trench drain have been plugged with debris –possibly capped/removed.

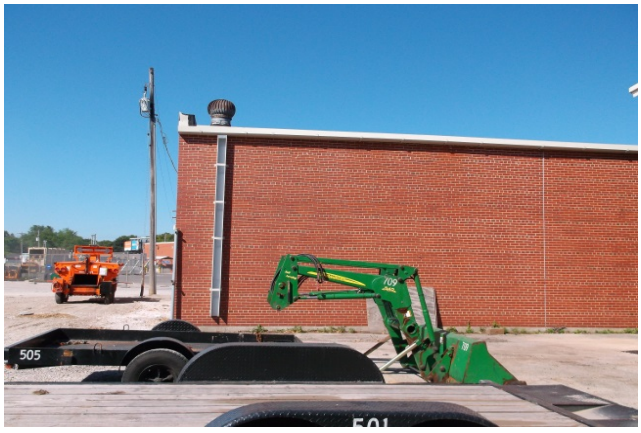
LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	NA			
Sanitary Piping/Main	NA			
Storm/Clearwater Drainage	F		P1	
Code Issues	NA			

NOTES:

P1. Masonry building with pitched roof. Roof discharges to gutter and downspouts. Area around the building is concrete, pitches to interior catch basins.



Building Roof Edge



Manhole and Trench Drain

HVAC SYSTEMS

Summary

This building ventilation and heating system is abandoned. A gas fired make-up ventilation unit previously provided heated ventilation and make-up air for the building. Two roof ventilators previously provided exhaust/relief ventilation. The ventilators are located in opposite corners of the building, immediately adjacent to the roof edge. A warning sign is posted at the entrance to the building indicating "Carbon Monoxide May Be Present."

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	N/A	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air Intake/Make-up	D	$1,000	H1	Abandoned
Replace Abandoned Heating Equipment	D	$50,000	H1	Abandoned
Exhaust Fan	D	$20,000	H1	Abandoned
Control	D	$2,000	H1	Abandoned

NOTES:

H1. The building is utilized for vehicle storage. The building is not required to be heated and does not need to be replaced. However an exhaust system is required.

A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. A garage exhaust fan project to install exhaust fans and control system is necessary to improve garage ventilation and occupant safety.

Installing a small fan to continuously ventilate the space at the minimum flow rate, and a larger fan interlocked to the lights (indicating building occupancy) is recommended.

The existing position of the exhaust fans, immediately adjacent to the roof edge, is not compliant. Fans located on the roof are required to be installed 10 feet from the building edge or a safety rail is required.

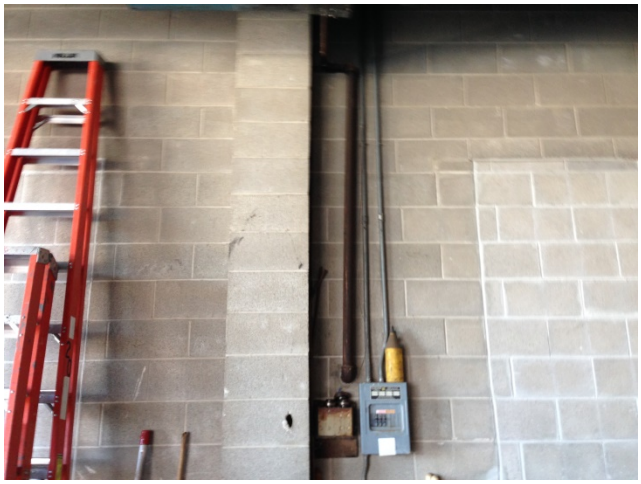
Heat is not required for this building. Because the existing building was previously heated, a grade and budget cost is included for consideration only.



Intake Louver



Gas Service (Abandoned?)



Equipment Power and Control



Make-up Air Unit (Gas Fired)



Exhaust Intake (Behind Storage)



Exhaust Intake (Behind Storage)



Warning Sign



Roof Ventilator

ELECTRICAL SYSTEMS

Summary

The building is served by a 120/240 Volt, single phase electrical service originating from a pole-mount transformer located on the eastside of the building. The main service disconnect is a fusible switch rated 200-amps. The building has two branch panels – one adjacent to the main service disconnect; one located on the building's west wall. Both panels are Square D load centers; both in good condition. Working clearance (unobstructed access) is an issue at both panels.

Receptacles both on the interior and exterior are not GFCI protected.

Lighting fixtures utilize T8 fluorescent lamps and are in good to fair condition. There is no emergency egress lighting other than exit signs. Exit signs have battery back-up.

There is a no fire alarm system.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Disconnect	HP	$250	E1	Lubricate mechanical components
Branch Panels	D	$0		Remove obstructions in front of panels (maintain working clearance).
Power				
Receptacles	D	$500		Receptacles installed in the garage and outdoors need to be GFCI.
Lighting				
Interior	C			T-8 lamps; lighting in good condition.
Exterior	D	$200	E2	Replace failed photocell on easternmost LED wall pack lighting fixture.
Emergency Egress Lighting				
Exit Signs	CP	$150		Support conduit serving Exit Sign

NOTES:

E1. Lubricating mechanical components regularly as part of a preventative maintenance program enhances continued and reliable operation of equipment.

E2. A failed photocell keeps the fixture always ON.



Access to Main Service Disconnect Obstructed



Failed Photocell Keeps Fixture Always ON



Conduit Serving Exit Sign Improperly Supported



Service Pole and Transformer

EVALUATION

OF

CITY-OWNED FACILITITES

CITY HALL

August, 2015

PARKS DEPARTMENT

SUMMARY

Date of Visit: August 20, 2015
Address: 100 North Jefferson Street

Building Description

City Hall is a simple rectangular building constructed in 1955. It is clad in polished granite panels on the first floor, with cream colored brick slightly stepped out past the panels covering the remaining 6 story façade and mechanical penthouse. Floor-to-floor heights range from 12'-0" on 3rd through 5th floors, to over 14'-2" on 2nd floor, where City Council Chambers are located.

Two main entrances facing west toward Jefferson Street have a flat-roofed canopy supported on granite-clad columns. A third entrance opening toward the parking lot and alley to the east has a smaller canopy supported by painted metal columns.

Areas of the exterior shell are in need of minor masonry and mortar repair. Most of these areas are concentrated on the upper penthouse brick exterior wall. Cracked granite panel outside of the mayor's office observed and previously discussed with the City.

Typical interior finishes and condition:

- Terrazzo floors .....good condition
- Carpeting .....varied condition, some older and showing wear
- Composite tile .....varied, some recommended to be replaced
- Marble wall wainscot .....good condition
- Gypsum board or plaster walls ..fair to good condition
- Ceilings .....spline ceilings in fair condition: some stained
- Ceilings .....lay-in acoustic panel: good condition
- Casework .....fair to good condition; some recommended to be remodeled (see code section)

No leaks have been reported on the roofing system, but it does appear to be past its expected lifespan. Recommend reroofing within the next 3-5 years, and addressing any flashing issues at the parapet condition at that time.

Code/Accessibility

Two legal means of egress are available from all occupied areas. Corridor widths are all a minimum of 36" wide. Additional routes of egress are provided from the basement mechanical room, transformer vault, and boiler room.

The building has two primary stair shafts, both on the west side of the building, one toward the north and one toward the south. Although current code would require shafts of this height to be 2 hour rated, as an existing building, the shafts are presumed to comply with the code at the time they were constructed.

The space between guards on the sides of the stairs is over 12" at its narrowest dimension. This does not comply with IBC 1013.3, but would be grandfathered in as compliant. Due to the very public nature of this building, providing some protection to supplement the original handrails and guards should be considered.

The desk at the Parks Department is recommended to be modified for improved accessibility.

Grab bars in the accessible toilet room on 2nd floor are not positioned at the same height. The higher one is mounted with its top at 36 5/8", which is above the maximum allowable height of 36" per ADA 609.4 and ANSI A117.1 section 609.4.

Structural System

The structure consists of cast-in-place concrete floor slabs, beams, and columns bearing on a concrete foundation system.

Plumbing Systems

The original piping is in fair condition and can be replaced as needed. Insulation could be added to the hot water piping for energy savings. Thermostatic mixing valves (TMV's) should be added to correct code issues. Eyewashes require tempered water – add TMV's.

Building is served by interior roof drains – main roof and Penthouse. There is no secondary drainage for the building.

Plumbing fixtures are older, flush valve(s) could be updated to conserve water. Each floor has a dedicated ADA compliant toilet room. Building utilities in general appear adequate.

Fire Protection Systems

City hall was built in 1955 and had a standpipe system and fire pump installed at that time. The fire pump serves only the standpipe system; no sprinkler system is installed in the building.

Based on its condition the fire pump appears to be the original pump. The fire pump is showing signs of severe corrosion and leaking and is not located within a rated enclosure as required by the current edition of NFPA 20. If the fire pump is replaced it will require that it be brought up to the currently adopted standards.

The standpipe system is a Class II System, which includes 1 ½" hose valves. The 2009 Edition of the IFC requires that a Class III Standpipe System, which includes both 1 ½" and 2 ½" hose valves be installed in all buildings with a floor height higher than 30' above the level of access. It also requires that the valves be located within exit stairways, which is not the case with the currently installed valves. The existing valves are located in the corridor on each floor.

HVAC Systems

The boilers are original to the building's construction. The boiler controls and burners have been upgraded and/or replaced. The units are expected to last another 5 years. The steam system serves air unit heating coils and steam to water heat exchangers that provide hot water to the building's heating units. The penthouse heating system has been replaced. The pumps appear to be in good condition. The basement heating system pump has been replaced. There is no insulation on this system.

The main building ventilation system is a built-up high pressure induction air unit located in the mechanical penthouse. The unit is original to the building's construction but the major components have been replaced. The coils are beginning to show signs of deterioration and will require increased maintenance until such time they fail. The induction units' drain pans are deteriorating and plug on occasion, causing overflows into the building's envelope cavity. There are no filters on these units.

There are three additional air units serving specific use areas of the building. These units are original to the building's construction but the major components have been replaced. The cooling coils are deteriorating and will require increased maintenance until such time they fail.

A water cooled air unit is located in a closet on first floor requires replacement. Occupant dissatisfaction with the unit's operation has led the staff to simply turn the unit off.

The chiller was replaced in 2008 and the cooling tower in 2011. The pumps have also been replaced. The piping is in fair condition. However, pipe insulation is missing or has deteriorated around the air unit coils and this is causing rust and deterioration of the piping. The lack of insulation at the induction unit coils allows condensation to form and drip into the building's envelope cavity.

Four main exhaust ventilation fans are in fair condition, however the original ductwork is dirty and leaks. There are rooms in the lower level that are occupied and not ventilated.

The building controls are primarily pneumatic with some DDC control added to the air units, chiller, and boiler systems to provide some central monitoring. Air compressors are located in the boiler room.

Electrical Systems

City Hall is served by a 2000 Amp, 120/208 Volt, three phase electrical service. The Main Switchboard (MSB) is a Square D model Saflex fusible-switch type which is original to the building. Although the equipment appears in

good condition, Square D no longer supports this style of switchboard. The switch providing the normal power feed to the automatic transfer switch (ATS) is labeled "Emergency Circuits Disconnect". It is recommended this label be changed to "Normal Power to ATS" since "emergency" circuits are fed from the generator and are not disconnected by this switch when utility power is lost.

Understanding how power is distributed in the penthouse could be improved by installing a Motor Control Center (MCC). Currently the feeder serving the penthouse is tapped several times to serve numerous disconnect switches.

A 60-kW diesel-fueled generator provides standby power. It feeds an automatic transfer switch (ATS) rated 225-amps. Although the generator serves both lighting and non-lighting loads, it's not relied upon for emergency egress.

The main emergency power panel (EPP) is located adjacent to the ATS. EPP is a Square D Load Center with a 200A main circuit breaker. The panel has 24 1-pole spaces available.

A manual transfer switch with a pin-and-sleeve receptacle for connecting a temporary generator was installed in the basement recently by the communications provider whose transmitting equipment is installed on the building's rooftop. The normal feed to the manual transfer switch is tapped from the bus of the MSB despite there being a spare 200A switch available in the distribution section of MSB.

Branch panels for both normal and emergency power are manufactured by Square D. It would be very difficult and costly to relocate the panels, but it is possible to improve a poor situation by replacing the interiors and panel covers to improve reliability and ease of access.

Battery-operated emergency egress lighting fixtures occur sporadically throughout the building. The quantity of the fixtures, fixture placement, and overall performance do not comply with current standards.

Generally lighting fixtures throughout the buildings are in good to fair condition, and utilize T8 fluorescent lamps and electronic ballasts. An exception is lighting fixtures in the Printing Room of the basement – which are suspended fixtures with louvers using T12 fluorescent lamps. T12 lamps are no longer manufactured.

Areas with the original concealed grid ceilings are using the original 1x4 flush-mounted fluorescent lighting fixtures that have been retrofit with T8 fluorescent lamps and electronic ballasts. The quantity of original 1x4 lighting fixtures is greater than a modern lighting design would call for. Prismatic lenses are yellowing in many of the original 1x4 flush-mounted lighting fixtures.

Where concealed grid ceilings have been replaced with lay-in acoustical tile ceilings, lighting fixtures have also been replaced. Replacement fixtures use T8 fluorescent lamps with electronic ballasts.

The building is protected by a zoned Faraday fire alarm system. Coverage with visual and audible/visual alarms is inconsistent – some areas are compliant, some are not. Use of smoke and/or heat detectors is also inconsistent.

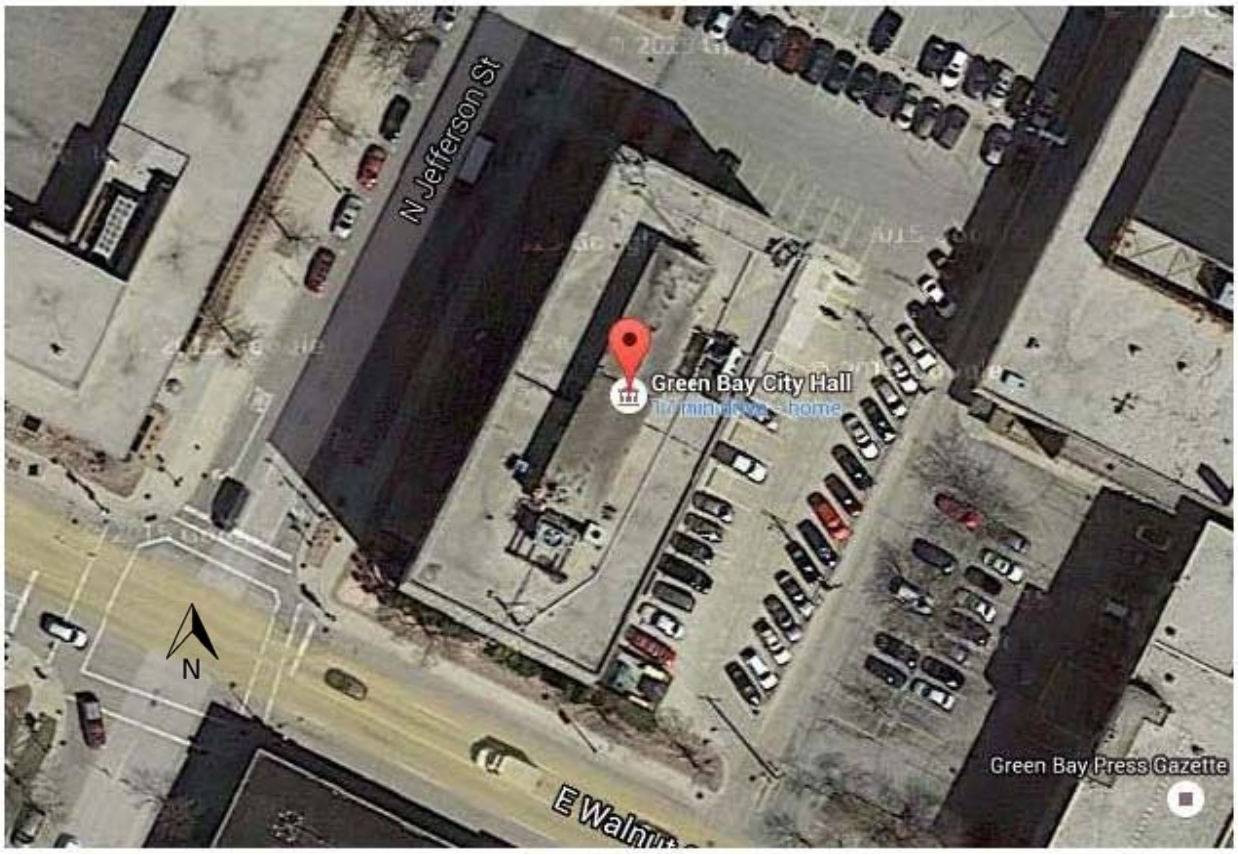
Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

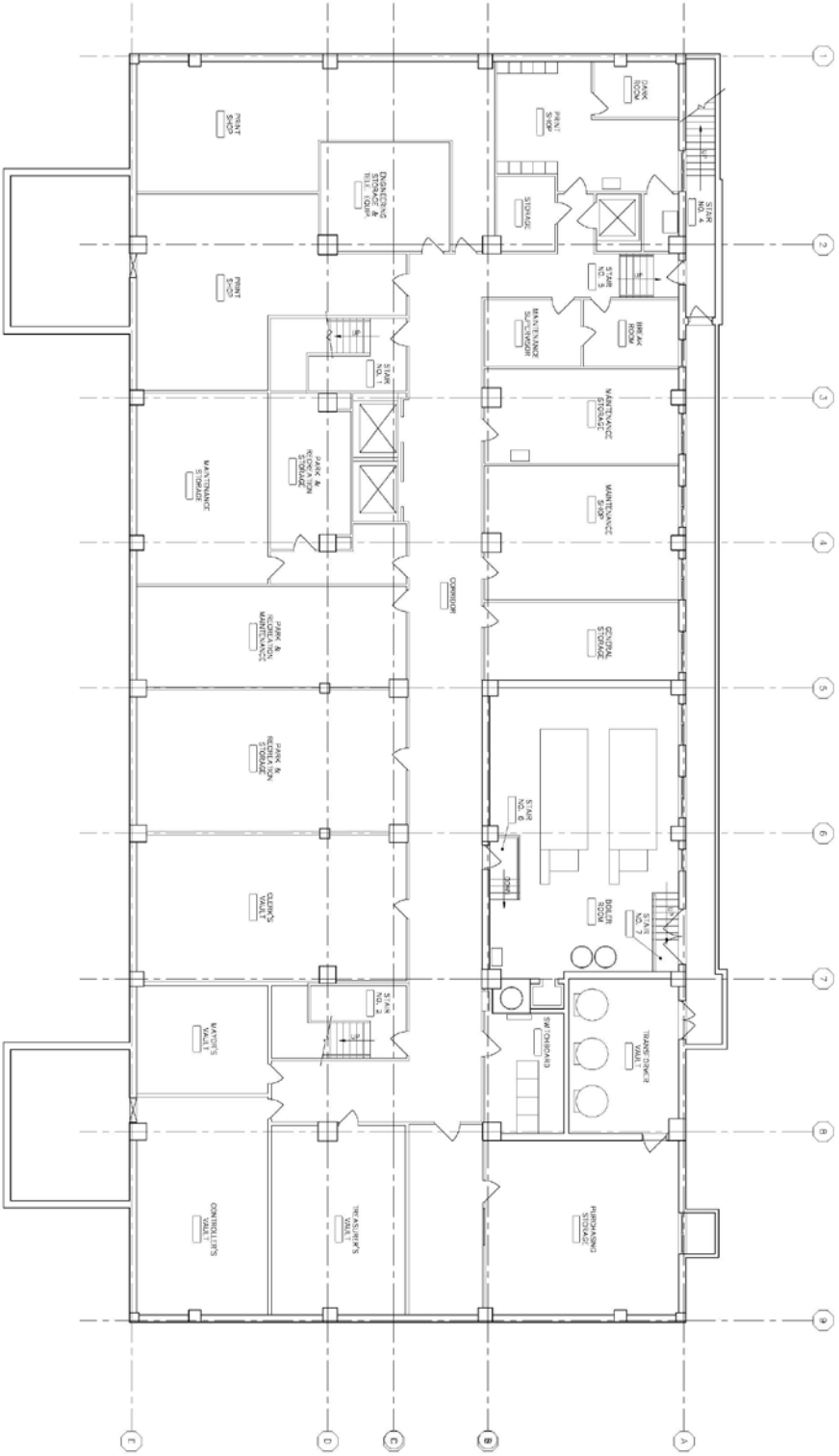
SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural			Roof Condition	**$200,000**
			6th floor repairs in Parks	**$1,000**
Architectural Subtotal				**$201,000**
Code/ADA			Accessible Toilets	**$400**
			Casework	**$7,000**
Code Subtotal				**$7,400**
Structural				**NA**
Fire Protection			Fire Pump	**$150,000**
			Fire Pump Controller	**See above**
	Standpipe System			**$20,000**
Fire Protection Subtotal				**$170,000**
Plumbing			Insulation	**$15,000**
	Eyewash(es)			**$6,000**
	Thermal Mixing Valve (TMV)			**$4,000**
	Backflow Prevention			**$500**
	Elevator Sump Pit			**$10,000**
Plumbing Subtotal				**$35,500**
HVAC Systems				
AHU-1			Housing	**$370,000**
			Distribution Ductwork	**$960,000**
Exterior Room Comfort			Induction Terminals	**$2,600,000**
AHU-2			Housing	**$150,000**
AHU-3			Housing	**$150,000**
AHU-4			Housing	**$150,000**
AHU-5			Housing	**$9,000**
Exhaust Fans			General Exhaust	**$30,000**
			Exhaust Ductwork	**$40,000**

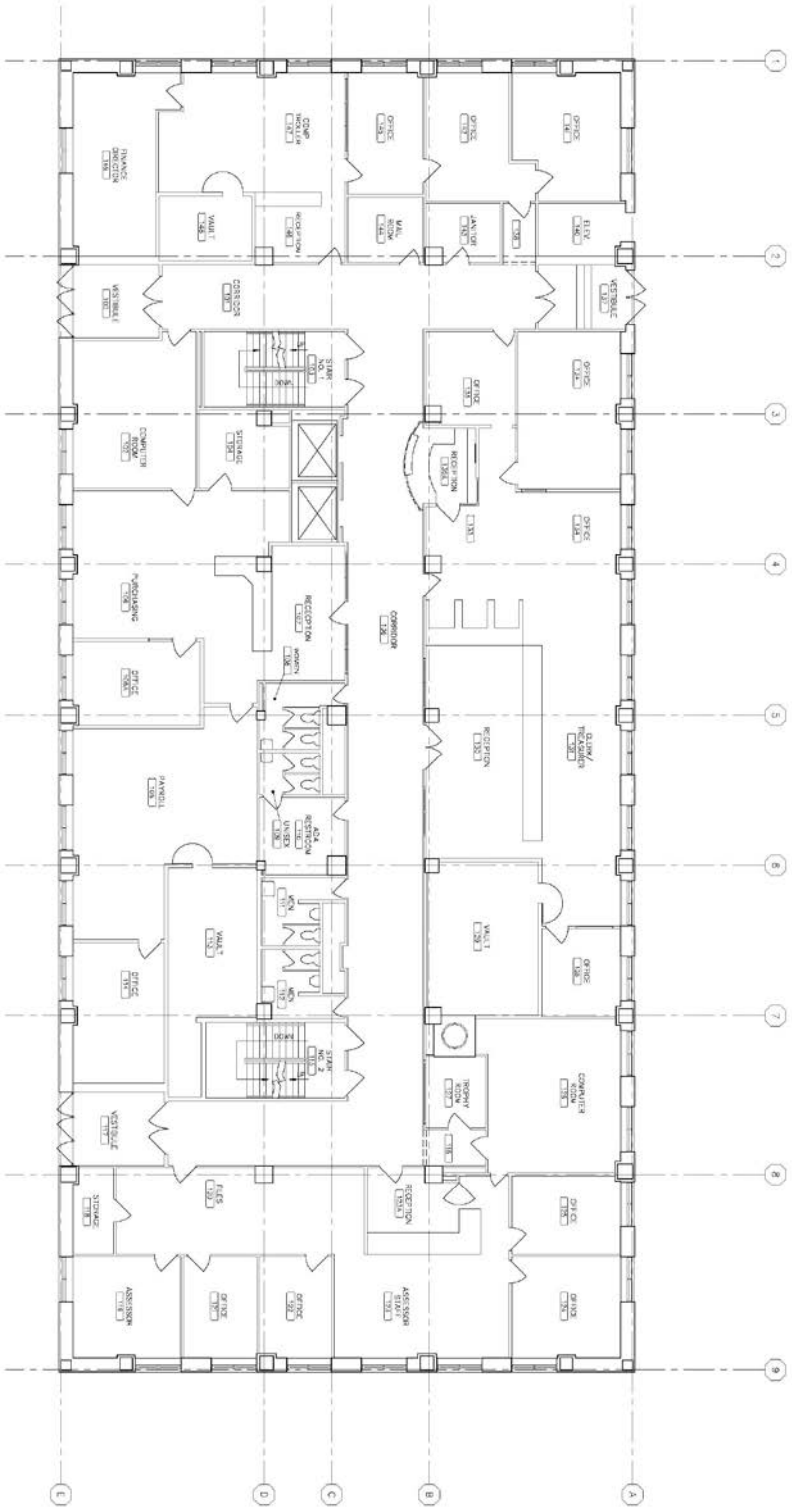
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Heating System			Boilers	**$210,000**
		Pipe Insulation		**$20,000**
			Room Terminal Units	**$50,000**
Mechanical Room Ventilation			Mechanical Room	**$8,000**
	Boiler Room			**$10,000**
Controls			DDC Control	**$35,000**
HVAC Subtotal				**$4,792,000**
Electrical		Seal Penetrations		**$1,200**
			Emergency Egress Lighting and Exit Signs	**$50,000**
		Upgrade to an Addressable Control Panel		**$40,000**
Electrical Subtotal				**$91,200**
Building Total				**$5,297,100**



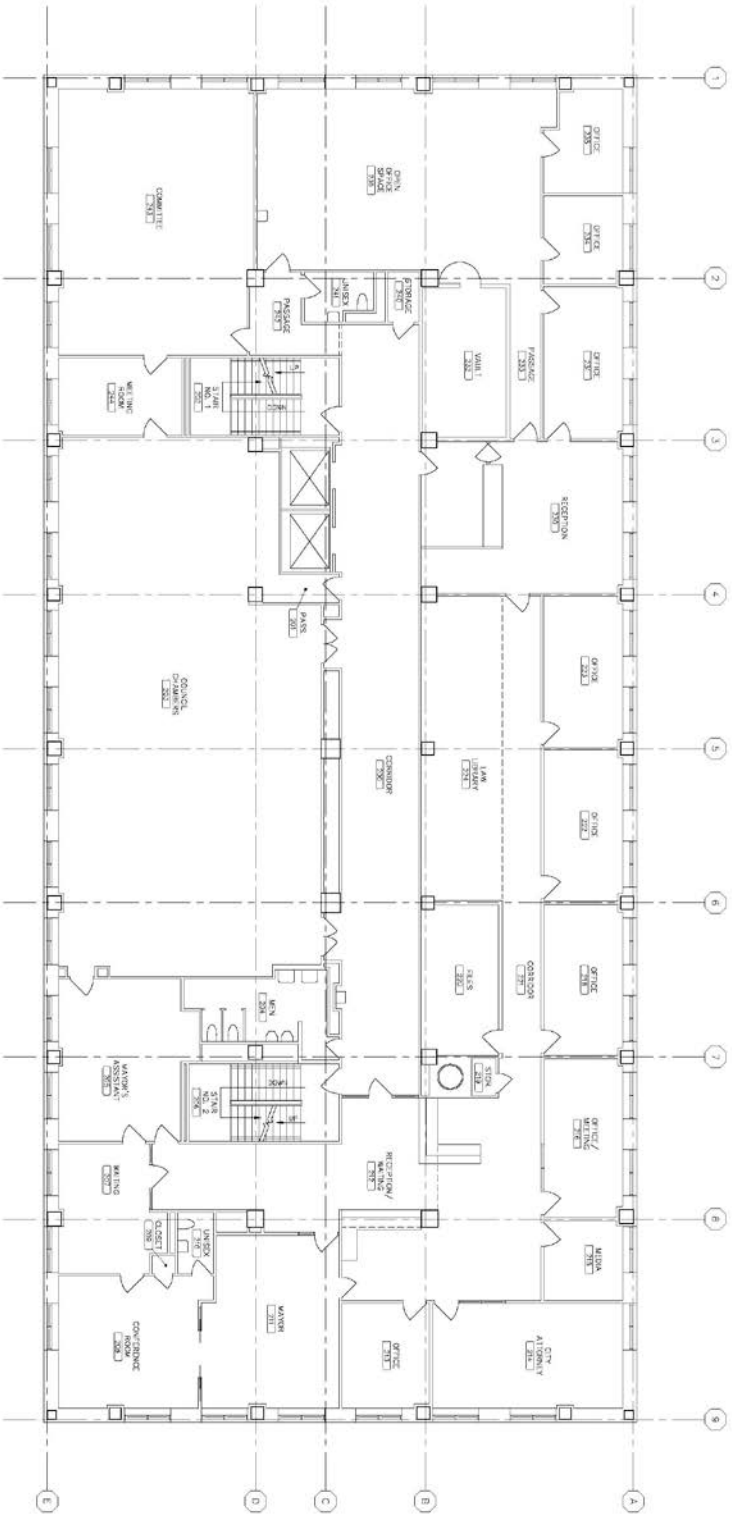
Aerial View of Site



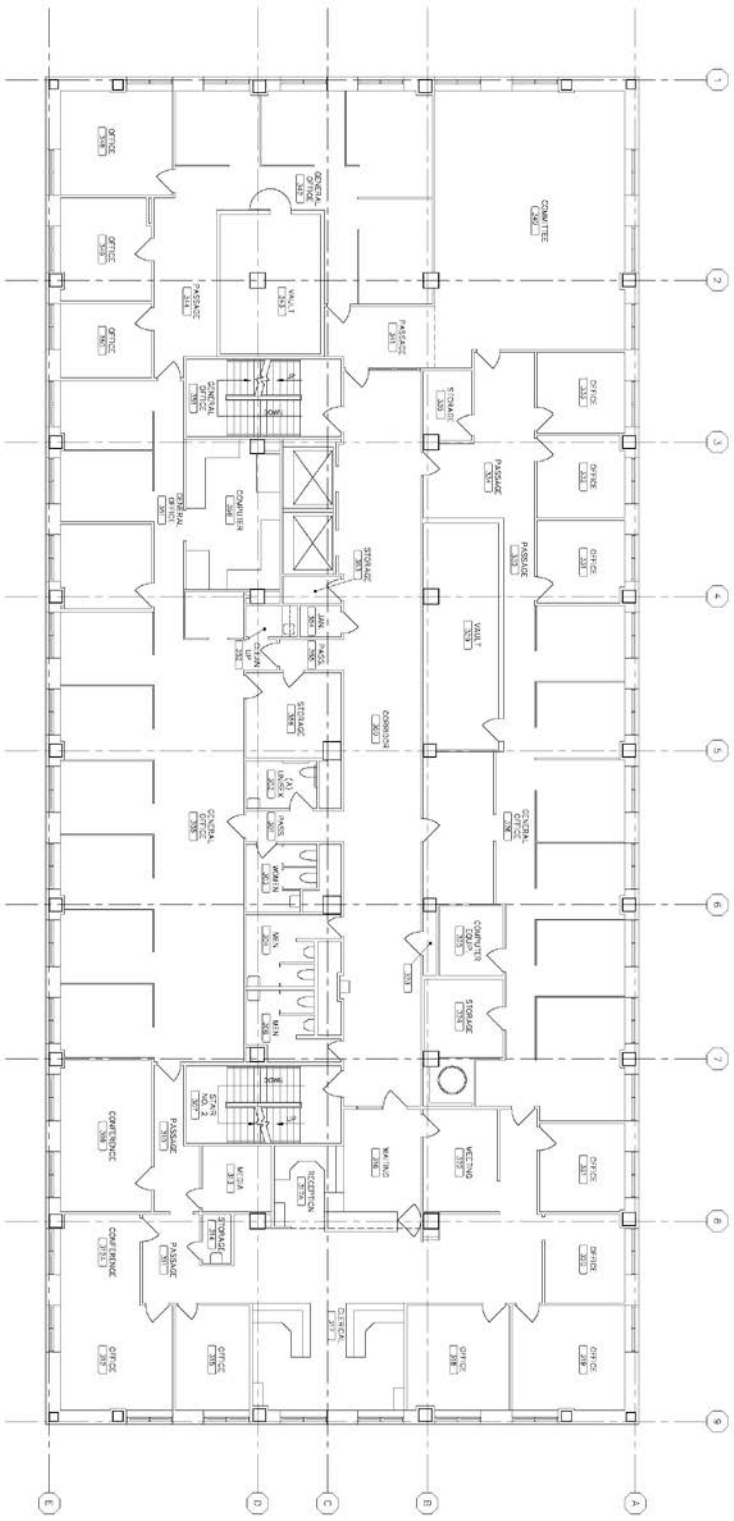
Basement Floor Plan



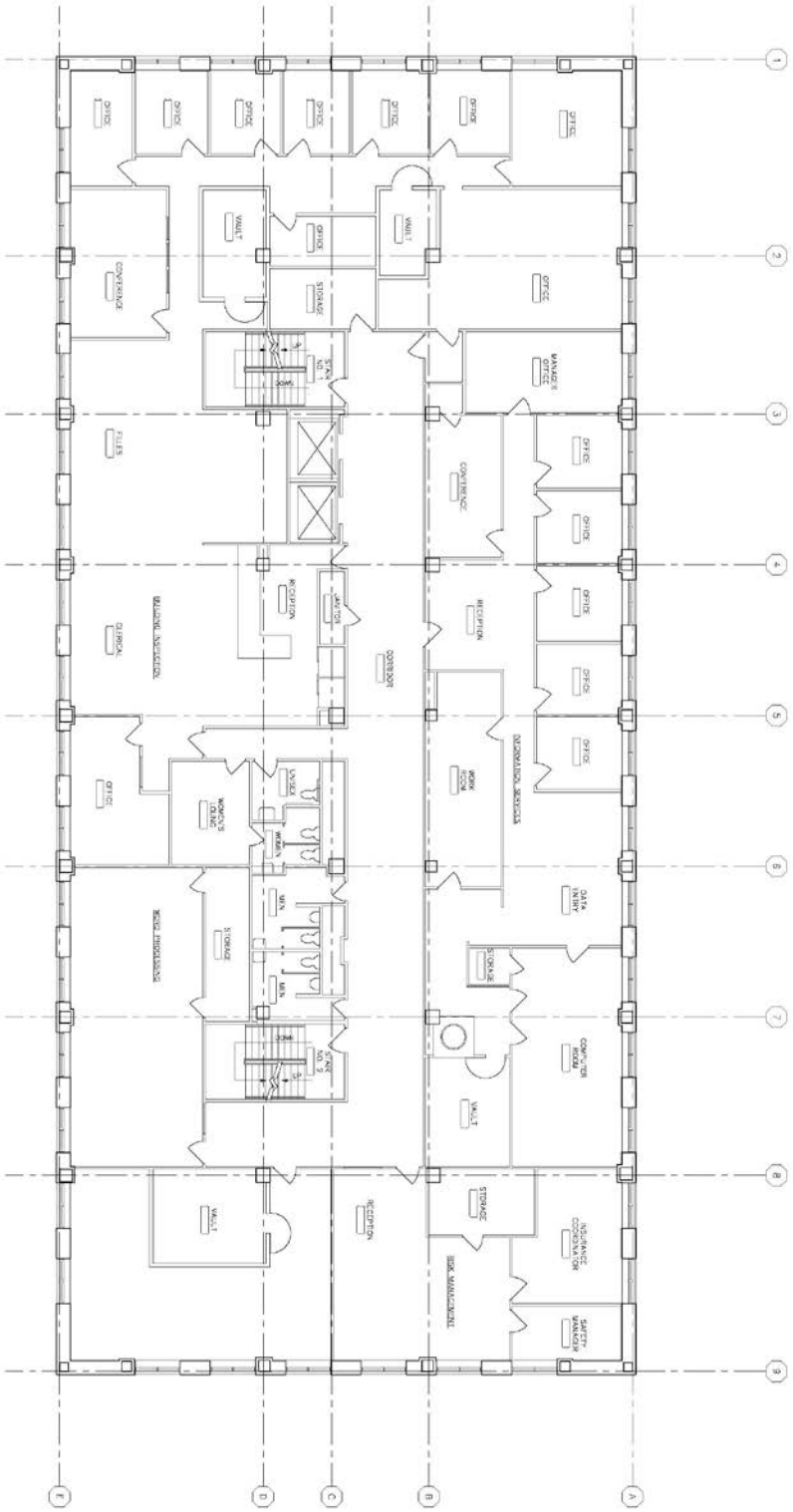
First Floor Plan



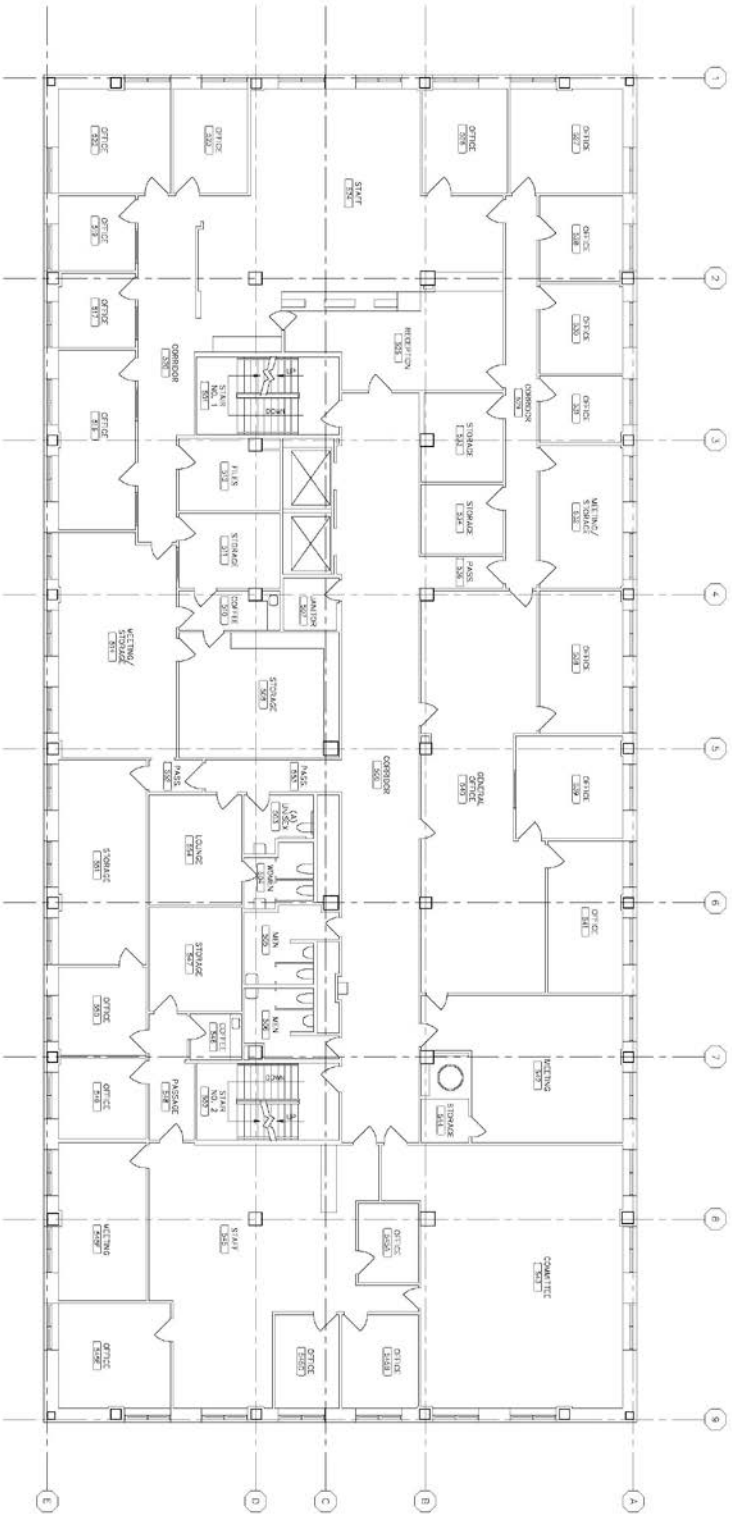
Second Floor Plan



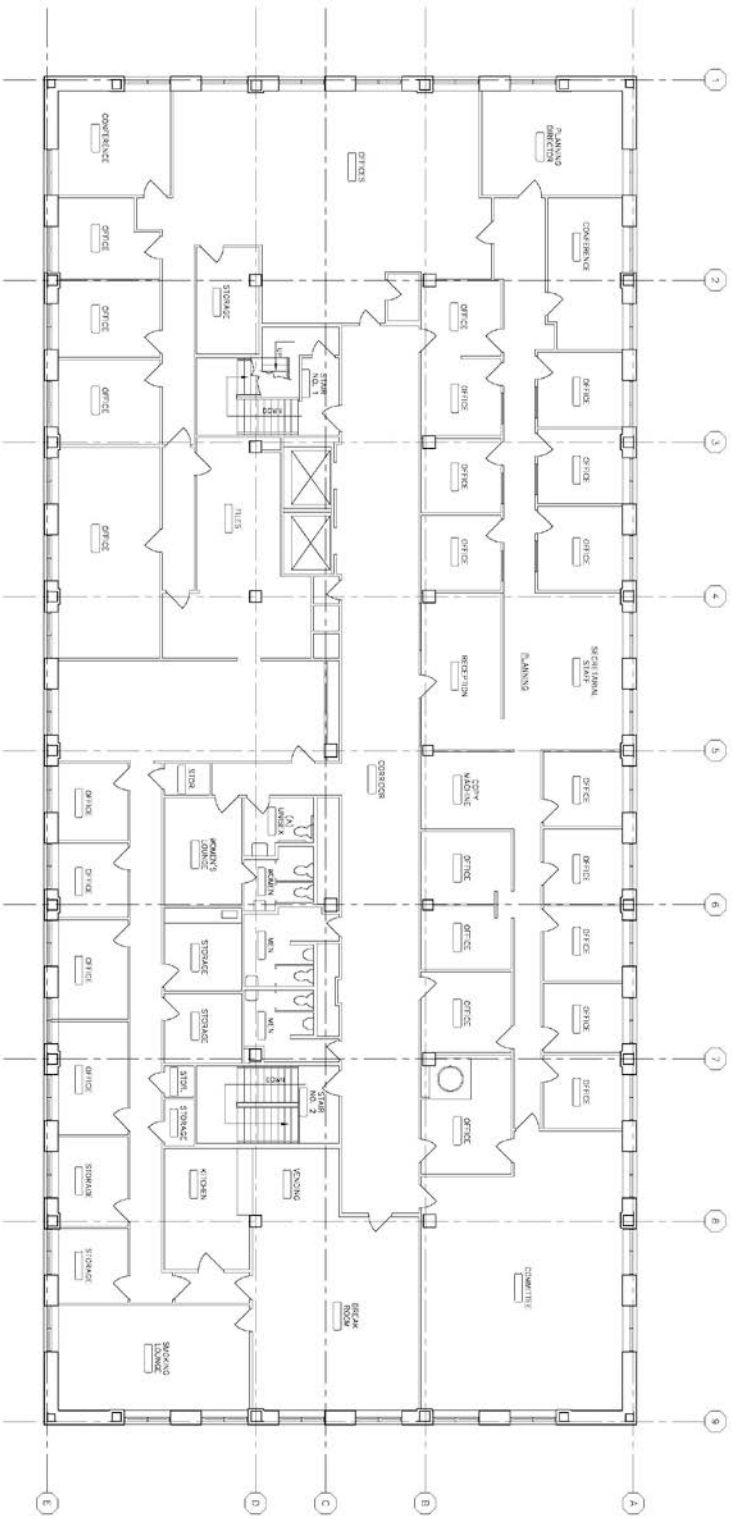
Third Floor Plan



Fourth Floor Plan



Fifth Floor Plan



Sixth Floor Plan

ARCHITECTURAL

Building Description

City Hall is a simple rectangular building constructed in 1955. It is clad in polished granite panels on the first floor, with cream colored brick slightly stepped out past the panels covering the remaining 6 story façade and mechanical penthouse. Floor-to-floor heights range from 12'-0" on 3rd through 5th floors, to over 14'-2" on 2nd floor, where City Council Chambers
are located.

Two main entrances facing west toward Jefferson Street have a flat-roofed canopy supported on granite-clad columns. A third entrance opening toward the parking lot and alley to the east has a smaller canopy supported by painted metal columns.

Building Envelope

Exterior Walls

Window sills and jamb returns on 1st floor are polished granite, matching the exterior skin. The granite panels are attached to poured concrete frame. Brick above is three wythes thick, with the inner two wythes supported by concrete floor structure, and outer course supported by a metal brick ledge encircling each floor. Walls are furred out with metal studs and insulation on the interior.

Areas of the exterior shell are in need of minor masonry and mortar repair. Most of these areas are concentrated on the upper penthouse brick exterior wall.

Cracked granite panel outside of the mayor's office observed and previously discussed with the City.

Windows and Doors

Aluminum framed casement windows with single-pane glass appear to be original to the building. They are not thermally broken. Within the jamb space on the interior is a second set of sliding glazed panels, creating an air lock between inner and outer window panes.

Some basement windows in window wells are aluminum frame with operable hoppers in the lowest section. There is no secondary interior glazing at basement.

Entry doors are wide style aluminum frame with glazed transoms above.

Roof

The existing roof level houses several mechanical and communication systems. The surface is covered with a built-up roofing system, and a gravel coat. The flashings are copper and held short of the parapet wall. The parapet is capped with stone trim. The boiler venting is through the original chimney, clad with a surface applied, metal wall panel.

No leaks have been reported on the roofing system, but it does appear to be past its expected lifespan. Recommend reroofing within the next 3-5 years, and addressing any flashing issues at the parapet condition at that time.

Interior Finishes

Stairwells

Floors

- Terrazzo at landings and stair treads. Basement floor is sealed concrete. Both are in good condition.

Walls

- Structural glazed tile; good condition.

Doors

- Metal door and frame with narrow light at landings. "Class B" label on doors indicated 1 ½ hour rating.

Ceilings
- Painted exposed structure.

Handrails
- Aluminum, wide horizontal profile.

Basement

Floors
- Sealed concrete in corridors and mechanical rooms is in good condition. Minor cracking in boiler room.
- Offices have newer carpet, which may be over older 9" composite tile.
- 9" composite tile in print shop area has cracked and missing tile at thresholds of rooms. Staff reports that a previous asbestos survey found asbestos in the adhesive for the tiles, but not the tiles themselves. Areas of missing or damaged tile should be addressed in order to prevent old adhesive from becoming airborne.
- Storage area of print room has painted concrete floor in good condition.
- Steps to rear direct entry from exterior stairwell has painted concrete steps on the interior.

Walls
- Painted poured concrete and painted concrete block walls. Base course of CMU is painted a darker color.

Doors
- Original wood, 5-panel, solid doors in metal frames at offices. Some have missing/removed hardware.
- Safes and mechanical rooms and vaults have steel vault doors with locking mechanisms.

Ceilings
- Exposed structure at corridors and mechanical rooms.

Casework
- Print room casework is older, probably 50s era, painted wood cabinetry with plastic laminate tops. Condition is serviceable; none are accessible height (see Code/Accessibility report.)

First Floor

Floors
- Terrazzo in main corridor and vestibules.
- Luxury vinyl tile at corridor to toilet rooms and in accessible and Women's toilet rooms.
- Men's room has multi-toned 1" ceramic mosaic tile floor.

Walls
- Marble at main corridor and vestibules.
- Painted concrete block at Women's room and accessible toilet room.
- Men's room has mottled surface structural glazed tile.
- Painted gypsum board or plaster walls in office areas. Rubber base at gypsum board walls.

Doors
- Medium style aluminum doors with clear anodized finish at public office entrances and borrowed lights on main corridor.
- Flush wood doors at other locations.

Ceilings
- Mix of 1x1 original spline ceilings and 2x2 acoustic panels in offices. Corridors and vestibules have 2x2 acoustic panels.
- Plaster ceiling at toilet rooms.

Casework
- Most office casework is comprised of system furniture components.

- The front reception desk is wood faced with solid surface top, installed within the last 5 years.

Second Floor

Floors

- Terrazzo in main corridor.
- Multi-toned 1" ceramic mosaic tile at Men's room. Women's room and unisex/accessible toilet has 2" ceramic mosaic tile.
- The majority of office area has carpet in fair to good condition. Mayor's office has cut-pile carpet in good condition.
- At the north end of the floor are two sections of passage with 12" VCT in good condition. One northeast room has part exposed concrete slab and part original 9" composite tile. Per staff reports from other areas of the building, the 9" tile may have asbestos in the adhesive.

Walls

- Central corridor has 4' high wainscot of marble with painted gypsum board above.
- Women's room has painted gypsum board walls. Men's room has mottled surface structural glazed tile in good condition.
- Painted gypsum board or plaster walls in office areas; rubber base at gypsum board walls.
- Council Chambers has two species of wood paneling in good condition.
- One wall in the northeast part of the floor (former open office space) looks to have been recently constructed and is unfinished on the east side of the wall.

Doors

- Entrances to office areas have wood doors with half-light. The half-light is divided in 3 panes horizontally by a wood mullion. At Council Chambers, the three lights are separated by a wider wood section/mullion.
- Flush wood doors at other locations. Brass kick plates are on many of the public use wood doors and in good condition.

Ceilings

- Mix of 1x1 original spline ceilings and 2x2 acoustic panels in offices.
- Corridors and vestibules have 2x2 acoustic panels.
- Plaster ceiling at toilet rooms.

Casework

- Most office casework is comprised of system furniture components.
- Mayor's office reception area has wood casework with solid surface tops.

Third Floor

Floors

- Terrazzo in main corridor.
- Multi-toned 1" ceramic mosaic tile at Men's room. Women's room and unisex/accessible toilet has luxury vinyl tile. Both are in good condition.
- The reception areas of offices have carpet in fair to good condition. Back open office areas have 12" VCT, most of which is in good condition.
- Some private offices in the southwest corner of the floor have older carpet in fair condition.
- One area of general office at north end of floor has 9" composite tile, which likely has asbestos in its adhesive.

Walls

- Central corridor has 4' high wainscot of marble with painted gypsum board above. Niche at drinking fountain is full height marble wall panel.
- Accessible toilet room has painted gypsum board walls.
- Men's room has mottled surface structural glazed tile in good condition.
- Women's room has structural glazed tile which has been painted.
- Painted gypsum board or plaster walls in office areas; rubber base at gypsum board walls.

Doors

- Department of Public Works entry door at the end of the hall has an aluminum entrance door with full side lights for the entire width of the corridor. Good condition.
- Flush wood doors at other locations, some of which have narrow lights. Brass kick plates are on many of the public use wood doors and in good condition.

Ceilings

- 2x2 acoustic panels are in main corridor, committee room, and public area of DPW. Back office area has 12" spline ceiling.
- Plaster ceiling at toilet rooms.

Casework

- Most office casework is comprised of system furniture components.
- Reception at DPW and the work island in open office area are plastic laminate case with plastic laminate tops.

Fourth Floor

Floors

- Terrazzo in main corridor.
- Multi-toned 1" ceramic mosaic tile at Men's and Women's rooms accessed from central corridor is in good condition. Women's room accessed via lounge has multi-toned pink 1" ceramic mosaic tile.
- Unisex/accessible toilet has luxury vinyl tile.
- The rooms on the east side of the corridor, including the IT department are mainly 12" VCT in fair to good condition.
- Rooms in southeast corner (Storage, Insurance) and most on the west side of the corridor (unoccupied rooms and Women's lounge) have 9" VCT, which is likely to contain asbestos in its adhesive.

Walls

- Central corridor has 4' high wainscot of marble with painted gypsum board above.
- Accessible toilet room has painted structural glazed tile. One wall appears to have had repair or modification in the past, but is currently stable.
- Men's room has mottled surface structural glazed tile in good condition.
- Women's room off main corridor has mottled surface structural glazed tile. Women's room accessed via lounge has pink structural glazed tile.
- Painted gypsum board or plaster walls in office areas; rubber base at gypsum board walls.

Doors

- Public entrances to office areas have wood doors with half-light. The half-light is divided in 3 panes horizontally by a wood mullion.
- Flush wood doors at other locations, some of which have narrow lights.

Ceilings

- 2x2 acoustic panels are in main corridor and computer department.
- Other office areas have 12" spline ceiling. Meeting room at southeast corner has metal trim in ceiling in location of former wall.
- Plaster ceiling at toilet rooms.

Casework

- Reception counter at computer department is plastic laminate case with plastic laminate tops.

Fifth Floor

Floors

- Main corridor has 9" VCT, which is likely to contain asbestos in its adhesive. The corridor tile is in good condition, and not a threat for fraying or other exposure of adhesive.
- Multi-toned 1" ceramic mosaic tile at public Women's room is in good condition.
- Women's room accessed via lounge has multi-toned pink 1" ceramic mosaic tile.
- Men's room has newer 2" ceramic tile.
- Unisex/accessible toilet has luxury vinyl tile.

- Office areas are a mix of 12" VCT and carpet.

Walls

- Central corridor has 4' high wainscot of marble with painted gypsum board above.
- Unisex/accessible toilet room has painted structural glazed tile.
- Men's and Women's rooms have mottled surface structural glazed tile in good condition.
- Women's room accessed via lounge has pink structural glazed tile.
- Painted gypsum board or plaster walls in office areas; rubber base at gypsum board walls.

Doors

- Department office areas have aluminum entrance framing and doors. (Champagne color.)
- Flush wood doors at other locations, some of which have narrow lights.

Ceilings

- 2x2 acoustic panels are in main corridor and most office areas.
- Other office areas have 12" spline ceiling. Meeting room at southeast corner has metal trim in ceiling in location of former wall.
- Plaster ceiling at toilet rooms.
- Women's Lounge has perforated spline ceiling.

Casework

- Original wood casework in small coffee room in west office area is in fair to good condition. Plastic laminate top looks newer and in good condition.

Sixth Floor

Floors

- Main corridor has 9" VCT, which is likely to contain asbestos in its adhesive. The corridor tile is in good condition, and not a threat for fraying or other exposure of adhesive.
- Multi-toned 1" ceramic mosaic tile at Men's and Women's rooms accessed from central corridor is in good condition.
- Women's room accessed via lounge has multi-toned pink 1" ceramic mosaic tile, as does a single-user toilet room in the west office area.
- Unisex/accessible toilet has luxury vinyl tile.
- Office areas have a wide variety of colors of VCT, including 9" and 12" tiles. Most of the flooring is in good condition.
- Entry/reception/staff area of the Planning Department has carpet, as does the committee room. Both carpets are in fair to good condition.

Walls

- Central corridor has 4' high wainscot of marble with painted gypsum board above.
- Men's and Women's rooms have mottled surface structural glazed tile in good condition.
- Women's room accessed via lounge has pink structural glazed tile.
- Painted gypsum board walls (plaster at exterior walls) in remaining areas. Minor chipping of paint at old air units. Non-standard paint colors are in several offices.
- Rubber base is at gypsum board walls. Some base is separating from walls at exterior wall conditions.

Doors

- Department office areas have aluminum entrance framing and doors. (Champagne color.)
- Public entrances to office areas have wood doors with half-light. The half-light is divided in 3 panes horizontally by a wood mullion.
- Flush wood doors at other locations, some of which have narrow lights.

Ceilings

- 2x2 acoustic panels are in main corridor and some office areas. A few tiles are damaged, but in place.
- Most office areas have 12" spline ceiling. Much of it is stained/discolored.
- Plaster ceiling at toilet rooms
- Women's Lounge has perforated spline ceiling.
- Storage rooms and other ancillary rooms have an assortment of spline ceiling panels and perforated spline panels.

Casework

- Wood casework with laminate tops in the west portion of the planning department is not original, and is in good condition.
- Wood-look laminate casework at break area is in fair to good condition.
- Casework at public reception for planning is systems furniture.
- Laminate casework at Park and Rec office is plastic laminate cases and tops in fair to good condition. Repairs needed at lower top.
- Small coffee room has original wood casework lower with older laminate top. Uppers are wood frame of a different stain color and different hardware.
- Other miscellaneous upper casework is also original wood frame in fair condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	HP	$200,000	A8	Budget based on $15/sf
Exterior Facade Condition	F		A1	
Exterior Door Condition	C			
Window Condition	F		A2	
Floors:				
Composite tile	HP		A3	
Ceramic/mosaic tile	C		A4	Original ceramic mosaic is in good condition.
Luxury vinyl tile	C			
Carpet	F		A5	
Walls:				
Marble wainscot	C			
Painted gypsum board	C F		A6	
Structural glazed tile	C			
Wood paneling at council chambers	C			
Ceilings:				
12" x 12" spline ceiling	F			Spline tiles are stained in some areas.
2' x 2' lay-in acoustic	C			
Casework:				
Print room in basement	F		A7	See ADA report.
6th floor repairs in Parks	HP	$1,000	A7	

NOTES:

A1. Several brick condition issues are concentrated on the penthouse and upper portion of the building:

a. Several courses are protruding from the wall and have loose mortar in the area over the roof access door.
b. Significant staining and lateral crack along mortar joint between roof access door and connections for metal communications tower.
c. Cracking extending laterally and down from lintel over plywood enclosure attached to brick wall.

A2. New, thermally broken windows would provide energy savings for the building.

A3. The original 9" composite tiles have been found by previous investigations to have asbestos in their adhesive. Areas of the building where theses tiles are cracking and chipping off should be scheduled for abatement, to prevent asbestos fibers from becoming friable and airborne. Later installation 12" composite tiles are in good condition, but some areas have non-matching color patches within rooms.

A4. The restrooms with variegated pink tile are dated in color, but in keeping with the vintage of the building, and still serviceable in condition.

A5. Carpet conditions vary throughout the building. While some are newer and in good condition, there are also areas of the building with significantly older carpet that is showing wear. Typical carpet warranties cover 10 years.

A6. There are isolated cases of paint chipping off interior faces of exterior walls, especially in the proximity of the in-wall ventilation units. In other cases, particularly on 6th floor, paint colors are visually inconsistent with the rest of the department and building.

A7. Casework:

- Address minor repair issues with laminate tops.
- Solid surface tops are in good condition.
- See accessibility report for areas recommended to be addressed.
- Original wood casework in office/storage locations appears to be serviceable.
- The basement print room has casework sections from different eras, which gives a visually inconsistent look to the department. See ADA section for cost estimate related to accessibility.

A8. New EPDM roof is recommended.

See Code/Accessibility report for photos of restrooms.

City Hall – Exterior



West (Front) Facade



North and West Facades

City Hall – Exterior



Main (NW) Entry



1st Floor West Facade



East Facade



Basement Access – East Facade



Parking Lot Entry – East Facade

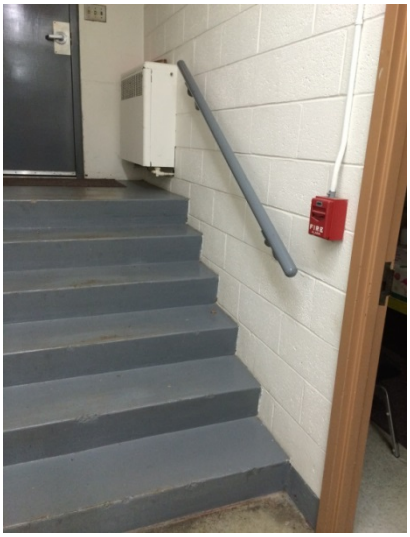


Basement Access – East Facade

City Hall – Stair Towers



Basement at South Stair



Basement Direct Egress, NW Side



Direct Egress from Boiler Room

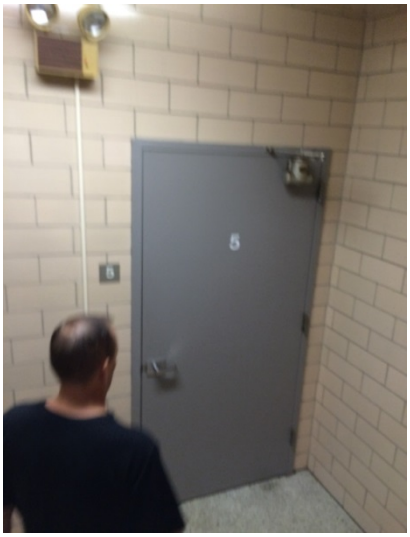


Stairs Down into Boiler Room

City Hall – Stair Towers



Typical Stair Tower Door



Typical Finishes in Stair Tower



Stair from 5th Floor to 6th Floor

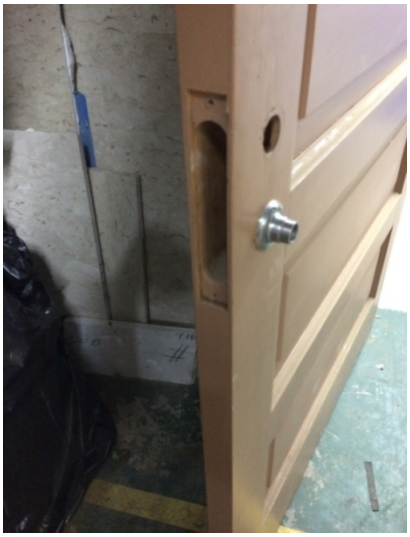


Stair to Penthouse

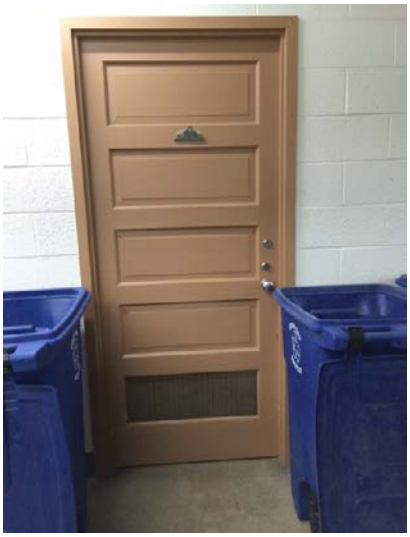
City Hall – Basement



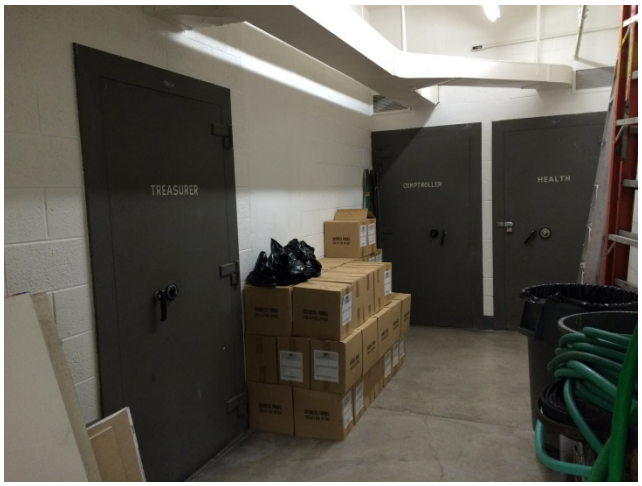
Central Corridor



Storage/Mechanical Room Door



Typical Door Style



Vault Doors

City Hall – Basement Continued



Printing Department



Window to Exterior Stair Well at Office



Printing Department



Rubber Base at Print Department

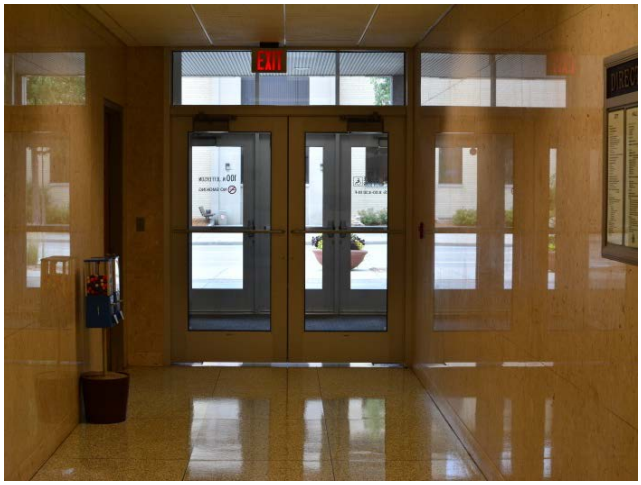


Damaged 9” Tile – Print Department



Damaged 9” Tile – Print Department

City Hall – 1st Floor



Vestibule from Jefferson Street



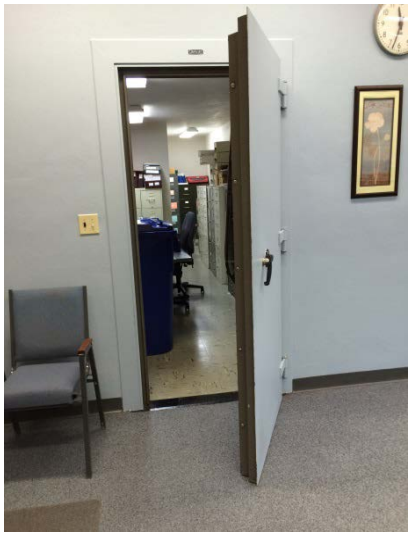
Vestibule from Parking Lot/Alley



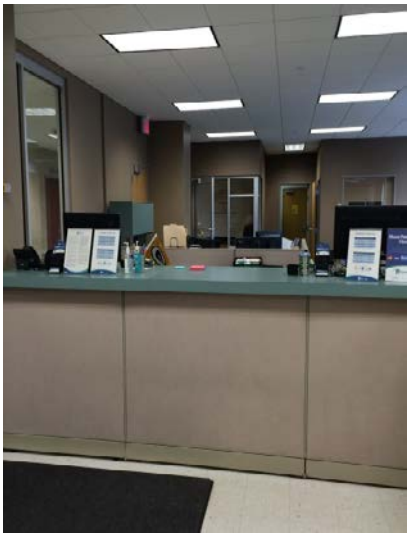
1st Floor Central Corridor



System Furniture – Office



Vault Door within Office



Systems Furniture Reception Area

City Hall – 2nd Floor



2nd Floor Main Corridor



Reception at Mayor's Office



Mayor's Office



Typical Interior Office Corridor



Council Chambers



Exposed Concrete & 9" VCT

City Hall – 3rd Floor



Committee Room 310



South End of Main 3rd Floor Corridor



General Office Area



Access to General Office from Main Corridor



Drinking Fountain on Main Corridor

City Hall – 4th Floor



Typical Office Door this Floor
(Coded Locking at IT Department Only)



Unoccupied Office Space



Central 4th Floor Corridor



Reconfigured Ceiling – South End of 4th Floor

City Hall – 5th Floor



Central 5th Floor Corridor



Office Entrance at South End of Corridor



Various Carpet and Vinyl Floor Finishes



Original Wood Casework in Coffee Room

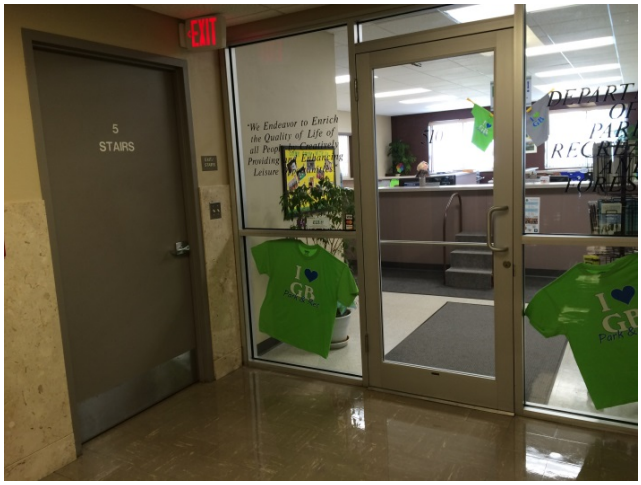


Women's Room Accessed from Lounge



Women's Room Accessed from Lounge

City Hall – 6th Floor



North End of Main 6th Floor Corridor



Reception Casework of Parks & Recreation



Separated Laminate at Parks & Recreation Reception



Typical Office Finishes



Wood Casework at Coffee Room



Casework at Storage Room

City Hall – 6th Floor Continued



Interior Office Corridor



Various Ceiling Tiles at Office Corridor



Floor & Various Ceilings at Planning



Flooring at Planning

City Hall – 6th Floor Continued



Stained Spline Ceiling – Planning



Newer Wood Casework – Planning



Flooring and Casework at Kitchen



Damaged Ceiling Tile at Kitchen

City Hall – 6th Floor – Continued



Spline Ceiling Typical at Offices/Conference



Non-standardized Wall Paint



Women's Lounge

City Hall – Penthouse



Stair Access to Penthouse



Elevator Platform in Penthouse



Penthouse – Displaced Brick Courses



Penthouse – Cracking Along Joint Lines



Roof Coping – Original Copper Flashing



Roof – Looking North

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1955 (date on building 1956)	**Gross Area**	Basement: 14,021 SF 1st Floor: 13,349 SF Floors 2 - 6: 13,433 SF Penthouse: 2,346 SF Total: 96,881 SF
Occupancy Classification *(Chapter 3 of IBC)*	The WI building code at the time of construction and additions would have placed the building under Chapter 54 Factory, Office, Mercantile occupancy category. Current code would place it under **B Business**.		
Construction Type *(Chapter 6 IBC)*	Construction Type II-B (2-hour concrete beams, columns & floor slabs, 1-hour roof)		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

Egress and Safety

Two legal means of egress are available from all occupied areas. Corridor widths are all a minimum of 36" wide. Additional routes of egress are provided from the basement mechanical room, transformer vault, and boiler room. The central basement corridor also has access directly to an exterior stairwell.

Stair and Elevator Shafts

The building has two primary stair shafts, both on the west side of the building, one toward the north and one toward the south. The shaft to the north shares a portion of its south wall with the shaft for the two elevators serving the building. Original plans call out the shaft walls as either light weight concrete block or structural glazed tile. The exact rating of the walls is not clear. Although current code would require shafts of this height to be 2 hour rated, as an existing building, the shafts are presumed to comply with the code at the time they were constructed.

An Underwriters' Laboratories (UL) label is visible on the door frame to the penthouse, and a similar label has been painted over on the door itself. The hourly rating of door and frame are not clear from these labels.

Handrails and Guardrails

Hand and guard rails at the two main stairs are wide horizontal aluminum sections. The size and shape of these bars does not comply with current IBC section 1012.3 for handrails, but would be grandfathered in as compliant. The space between guards on the sides of the stairs is over 12" at its narrowest dimension. This does not comply with IBC 1013.3, but again, would be grandfathered in as compliant. Due to the very public nature of this building, providing some protection to supplement the original handrails and guards should be considered.

Stairs in the basement areas have standard circular handrails. Openings at guards do not meet code at the mechanical rooms, but there is no public access to these rooms, so it is not considered a high priority to modify.

Miscellaneous Items
The boiler room and transformer vault both have 8" to 12" poured concrete walls with metal doors, indicating that they were intended to have a higher hourly rating than other spaces, such as the stair shafts.

Summary of Accessibility/ADA Compliance

Accessible Route
An accessible parking stall is located with signage at the northwest corner of the building. Entry to the building via the primary building entrances from Jefferson Street has a door operator for accessible entry.

Within the building, elevators provide access to all floors/areas of function within the building. The main corridor of each floor is ample width for passing of users going both directions. Back office corridors are a minimum of 36" in width, with occasional intervening rooms for passing space.

Doors
The building has a combination of push/pull hardware, lever and knob handles. Knobs are not accessible, and not as easy/fast to use as lever handles. Rooms that have been remodeled/updated, such as the accessible restrooms, typically have been updated to have lever handles on the doors. Many of the aluminum entrances to office areas have push/pull hardware, which is also accessible.

Casework
The reception areas of all departments have been modified to include a portion of counter that is at accessible height.

In the case of the Parks Department, a small portion of counter to the side is accessible. In addition, a carpeted portable set of steps with handrails is provided for access to the main high counter. Although these two measures address the situation, in terms of adults with mobility issues and children, it would be preferable to provide an accessible area of counter nearer to the middle of the service area to address both needs.

Plumbing Fixtures
Restrooms have been modified or added on floors 1 through 6 to provide accessibility. The basement does not have any restrooms, but access is provided via the elevator to other floors. Within the accessible toilet rooms there are elements that were not installed in compliance with code or ADA guidelines.

Grab bars in the accessible toilet room on 2nd floor are not positioned at the same height. The lower one is compliant at 34 ¾". The higher one is mounted with its top at 36 5/8", which is above the maximum allowable height of 36" per ADA 609.4 and ANSI A117.1 section 609.4.

Several of the toilet seats in the accessible restrooms have been altered with lifts to raise the seat height. Contradictory codes complicate the situation. ADA 604.4 calls for seat height to be between 17" and 19", while ANSI A117.1 calls for seat heights to be between 11" and 17"above finish floor. Seat heights in the 5th and 6th floor accessible rest rooms were measured to be below 17", and the seat height in the 2nd floor room was 20". While it is acknowledged that only 17" will comply with both codes, the seat on 2nd floor does not comply with either code and should be lowered accordingly.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Code items:				
Egress and Safety	C			
Stair Shafts	C			
Handrails/Guardrails	F	$5,000 - $8,000	CA1	
Accessibility features:				
Accessible Route	C			
Doors	C F		CA2	
Casework	F HP	$5,000 - $7,000	CA3	
Plumbing fixtures:	F			
Accessible Toilets	HP	$400	CA4	

NOTES:

CA1. Recommend providing additional guards at sides of stairs in main two stair shafts for opening protection.

CA2. The majority of doors have been upgraded to accessible hardware. Recommend a continued program of upgrading to lever hardware with ongoing building maintenance.

CA3. Recommend improvement/alteration to the reception counter at the Parks Department. Accessible portion of the counter is not immediately evident. It would be preferable to eliminate the need for the carpeted steps positioned at the middle of the counter, in front of the entrance doors.

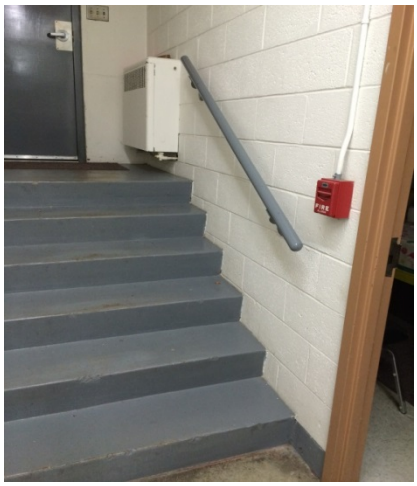
CA4. The following items should be adjusted or changed in the accessible toilet rooms:

- Height of grab bars in 2nd floor accessible toilet room is 36 5/8". Top of grab bar should be between 33" and 36" above finish floor.
- Height of toilet seats in all accessible restrooms should be verified. Those on 5th and 6th floors were observed to be low (16 ¾"or less), and the one on 2nd floor was observed to be too high (20".)

City Hall – Stair Towers



Basement at South Stair



Basement Direct Egress, Northwest Side



Typical Upper Floor Stair & Handrail



Stairs Down Egress from Boiler Room



Direct Egress from Boiler Room



Stairs Down into Boiler Room



Accessible Parking Stall



At-grade Entry

City Hall – 1st Floor Restrooms



Unisex/Accessible Restroom



Unisex/Accessible Restroom



Women's Room



Corridor to Accessible Restroom



Men's Restroom

City Hall – 2nd Floor Restrooms



Women's Room



Accessible Women's Room



Men's Room



Men's Room

City Hall – 3rd Floor Restrooms



Accessible Restroom



Women's Room



Men's Room



Men's Room

City Hall – 4th Floor Restrooms



Signage for Accessible Restroom



Accessible Restroom

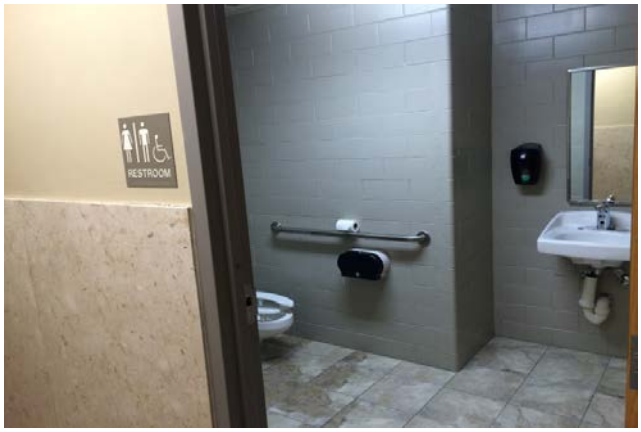


Women's Room



Cover over Former Urinal, now in Women's Room

City Hall – 5th Floor Restrooms



Accessible Restroom



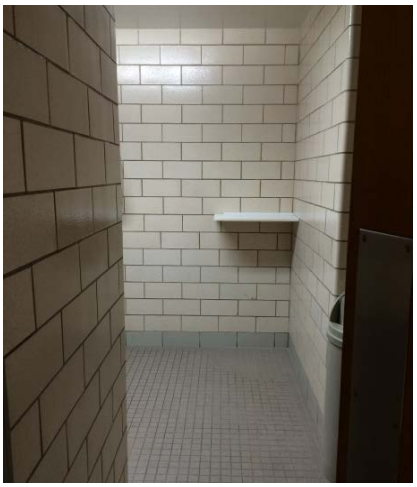
Accessible Restroom



Women's Room Signage on Main Corridor



Main Women's Room



Men's Room Entrance



Men's Room

City Hall – 5th Floor Restrooms Continued



Women's Room Accessed from Lounge



Women's Room Accessed from Lounge

City Hall – 6th Floor Restrooms



Women's Room



Cover over Urinal in Women's Room



Women's Room Accessed from Lounge

STRUCTURAL SYSTEM

Summary

The structure consists of cast-in-place concrete floor slabs, beams, and columns bearing on a concrete foundation system.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1955 (Berners-Schober Comm. No. 2020)
Structure type				
Foundations	**C**			Cast-in-place concrete foundation/basement walls bearing on individual spread or continuous strip footings.
Basement	**C**		**S1**	Floor is typically a 4" concrete slab on grade with 6x6 - 10/10 welded wire mesh reinforcing. 5" slab in boiler room.
1st Floor	**C**			3" concrete/terrazzo topping over a combination of 4" solid one-way slabs and 4"+2", 6"+2", and 10"+2" tile & joist slabs supported by cast-in-place concrete beams and columns.
2nd Floor	**C**		**S2**	3" concrete/terrazzo topping over a combination of 4" solid one-way slabs and 4"+2"and 6"+2" tile & joist slabs supported by cast-in-place concrete beams and columns.
3rd, 4th, 5th, and 6th Floors	**C**			3" concrete/terrazzo topping over a combination of 4" solid one-way slabs and 4"+2" tile & joist slabs supported by cast-in-place concrete beams and columns.
Roof/Penthouse Floor	**C**		**S3**	Combination of 4" or 5" solid one-way slabs and 4"+2" tile & joist slabs supported by cast-in-place concrete beams and columns. 3" concrete topping in penthouse.
Penthouse Roof	**C**			6"+2" tile & joist slabs supported on load-bearing masonry walls.
Occupancy Category	**NA**			Occupancy Category II.
Construction Type	**NA**			Construction Type **II-B** (2-hour concrete beams, columns & floor slabs, 1-hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			N/A
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There is minor shrinkage cracking in the concrete slab on grade in the basement at various locations. The cracking is not a cause for structural concern at this time.

S2. There is some minor settlement cracking in the glazed tile walls near the corners of the stairwells. However, the tile is non-load-bearing, and no remedial action is recommended at this time.

S3. In addition to the recommended masonry repairs identified in the Architectural Section, there is some expansion cracking in the face brick near the outside corners of the penthouse. It is not impairing the structural function of the walls, so no remedial action is immediately necessary. However, these cracks should be routed and sealed whenever the recommended repairs are performed.



Shrinkage Cracks in Basement Slab (Note S1)



Settlement Cracks in Glazed Tile Walls of Stairs (Note S2)



Expansion Cracking of Brick Penthouse (Note S3)

PLUMBING SYSTEMS

Summary

City Hall was constructed in 1956. The original piping is in fair condition and can be replaced as needed. Insulation could be added to the hot water piping for energy savings. Thermostatic mixing valves (TMV's) should be added to correct code issues. Eyewashes require tempered water – add TMV's.

Building is served by interior roof drains – main roof and Penthouse. No secondary drainage for the building.

Plumbing fixtures are older, flush valve(s) could be updated to conserve water. Each floor has a dedicated ADA compliant toilet room. Building utilities in general appear adequate.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	PVC & cast iron
Storm/Clearwater System	F		P3	Cast iron, roof drains
Valves	F		P4	Gate & ball
Domestic Water Service	C		P5	4" main –combined w./ FP.
Insulation	HP	$15,000	P6	Add insulation
Code Issues	D	See below	P7	TMV, Backflow Prevention
Equipment				
Domestic Water Heater	F		P8	gas-fired
Recirculation Pump(s)	F		P9	Grundfos
Water Softener	F		P10	(2) Diamond units
Eyewash(es)	D	$6,000	P11	Add TMV's
Thermal Mixing Valve (TMV)	D	$4,000	P12	Add TMV (code issue)
Drain Tile, Sanitary Sump/Pump(s)	F		P13	Submersible, Simplex
Plumbing Fixtures	F		P14	
Backflow Prevention	D	$500	P15	Add vacuum breaker(s) on hose conn.
"Shop" Air Compressor	NA			
Elevator Sump Pit	D	$10,000	P16	No pit or pump installed.

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Exterior				
Storm Drainage, Roof Drains	**F**		P17	No secondary drainage
Utilities	**F**		P18	4" water main, 4" sanitary sewer

NOTES:

P1. Water piping is copper, soldered joints. Original main is galvanized piping. Fair condition. Piping is missing insulation in some areas.

P2. Original sanitary is cast iron, hub & spigot and threaded galvanized. Piping from the later remodeling(s) is cast iron no-hub or PVC.

P3. Storm system is interior roof drains on the main roof and upper Penthouse. No secondary overflow roof system installed. Storm piping is not insulated.

P4. Older valves are gate, newer valves are ball and butterfly.

P5. Building is served by a 4" water main. Domestic main is 3" with a 2" meter set and 3-valve bypass. There is also a separate 3" water main with booster pump that serves the building's standpipe system.

P6. Water piping is insulated with glass fiber and/or elastomeric insulation. Insulation is missing in some areas. Insulation could be added for energy savings and to prevent condensation.

P7. Code issues: No thermostatic mixing valve (TMV) at the water heater. Add TMV per code. Eyewashes require tempered water – install TMV's. Add hose end vacuum breakers to all faucets with hose connections.

P8. Water heater(s) are gas fired, direct vent, GE model #GG75T6A, 75,000 BTU, 75 gallon. Add TMV to the water heater piping. Set temperature to 110° Fahrenheit.

P9. Recirculation pump is Grundfos model #UP26-99, ¾" connection.

P10. Water softener is a Diamond residential (2) units with brine tank. Units serve the boiler.

P11. Eyewashes require tempered water. Install TMV's to each unit.

P12. Add TMV at water heater. Set temperature to 110° Fahrenheit (maximum temperature allowed per code.)

P13. Draintile sump/pump is simplex submersible. Sanitary sump pump is now simplex – one pump has been removed. Pump serves basement fixtures only. Piping is galvanized and PVC. Sumps should have a high water alarm installed.

P14. Each floor has a dedicated ADA compliant toilet room with a wall-hung WC, sensor control flush valve. Lavatory is wall-hung with electronic sensor faucet. Lavatory should have safety covers installed per ADA requirements. Men's/Women's public toilet rooms have wall-hung WC's with concealed flush valves. Lavatory is wall-hung with sensor faucet, urinal is floor mounted with electronic flush valve. Piping is concealed in pipe chase behind fixtures. Each floor has a new electric water cooler-ADA with bottle filler. Chiller in the basement could be removed, since it was set-up for the original vitreous drinking fountains. Some floors have breakroom stainless steel sink(s) with lever control faucet. Basement had a few janitors' sinks and a prefab shower stall. Exterior: several non-freeze sill faucets.

P15. Basement: Watts 909, ¾" RPZ backflow preventer for the boilers. Penthouse: Watts 9d for the AHU's. Install hose end vacuum breakers on all hose threaded connections. Vending machine water connection should have a Watts SD3 in-line vacuum breaker installed per code.

P16. No sump pit/pump installed in the elevator shaft. Pump would be required by today's code but is grandfathered in as compliant since the building was constructed in 1956.

P17. Upper penthouse has cast iron roof drain(s). Main building also has interior cast iron roof drains. No secondary overflow roof drainage system installed. Areaways have a drain(s) installed, which connects to the draintile.

P18. Building is served by a 4" water main, 3" for domestic water and 3" boosted main for the fire protection standpipe system. Sanitary sewer is 6" routed to Walnut Street. Several 6" storm sewers routes to Walnut and Jefferson Streets. Parking lots have interior catch basin(s).



Cast Iron Sanitary Piping



Cast Iron Vent Piping



Storm, Water Piping in Penthouse



Expansion Joint (4th Floor) Toilet Chase



Flush Valve in Toilet Chase



Piping in Toilet Chase – Typical



2” Water Meter Set



4” Water Main



Sanitary Piping – Basement (Insulated)



Storm Piping – Penthouse



Gas fired Water Heater



Water Softeners



HWR Recirculation Pump



Eyewash – Boiler Room



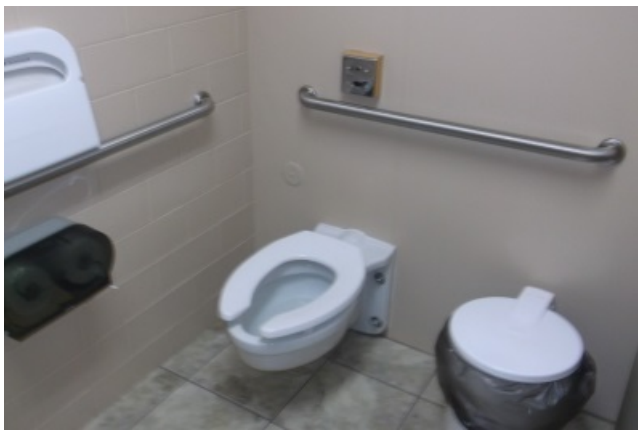
Eyewash – Penthouse



Drain Tile, Sanitary Sump/Pump



Pump Discharge Piping



Water Closet – ADA (Typical per Floor)



Lavatory – ADA (Typical per Floor)



WC – Public Toilet Room



Lavatory – Public Toilet Room



Urinal – Men's Public



Electric Water Cooler – Typical Corridor



Shower – Basement



Toilet Room – 2nd Floor



Breakroom Sink



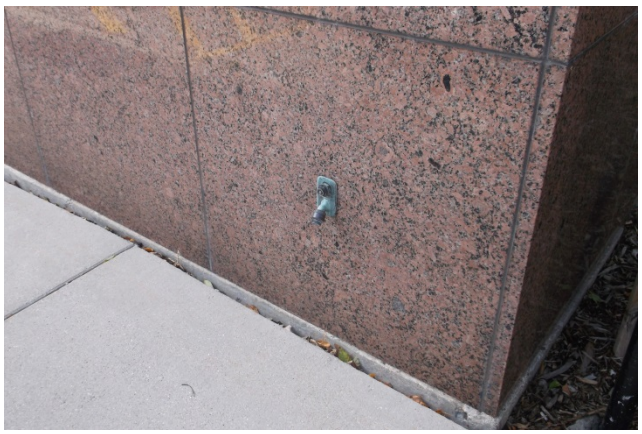
Janitors' Sink – Boiler Room



Watts RPZ BFP for Boilers



Watts 9D BFP – Penthouse



Non-freeze Sill Faucet



Roof Drain



Areaway Drain



Parking Lot Catch Basin

FIRE PROTECTION SYSTEMS

Summary

City hall was built in 1955 and had a standpipe system and fire pump installed at that time. The fire pump serves only the standpipe system, no sprinkler system is installed in the building.

Based on its condition the fire pump appears to be the original pump. The fire pump is showing signs of severe corrosion and leaking and is not located within its own rated enclosure as required by the current edition of NFPA 20. If the fire pump is replaced it will require that it be brought up to the currently adopted standards.

The standpipe system is a Class II System, which includes 1 ½" hose valves. The 2009 Edition of the IFC requires that a Class III Standpipe System, which includes both 1 ½" and 2 ½" hose valves be installed in all buildings with a floor height higher than 30' above the level of access. It also requires that the valves be located within exit stairways, which is not the case with the currently installed valves. The existing valves are located in the corridor on each floor.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

FIRE PROTECTION	GRADE	BUDGET COST	NOTES	COMMENTS
Water Service	**C**		FP1	6" Water Service.
Backflow Prevention	**C**		FP2	3" Watts Double Check Valve
Fire Pump	**HP**	$150,000	FP3	Fairbanks Morse
Fire Pump Controller	**HP**	SEE PUMP	FP3	
Jockey Pump	**NA**			
Jockey Pump Controller	**NA**			
Wet Pipe Sprinkler System	**NA**		FP4	
Sprinkler Heads	**NA**			
Percent of Building Unit Sprinkled	**0%**			
Standpipe System	**D**	$20,000	FP5	1 ½" hose valves

NOTES:

FP1. A 6" water main enters the building in the basement Mechanical Room on the south side of the building. The main is reduced to a 3" main before passing through the backflow preventer.

FP2. A 3" Watts Model 709 double check valve backflow preventer protects the domestic water supply from contamination by the standpipe system. The isolation valves on the backflow preventer are locked in the open position, but are not electronically monitored.

FP3. Based on its condition the fire pump is believed to be the original fire pump installed in 1955 although it appears to have been relocated at some point in time. No nameplate was found on the fire pump but the test card attached to the piping indicates that it is a 200 GPM 40 PSI fire pump.

The fire pump is in poor condition; it is leaking, and shows signs of severe corrosion. The pump, located in the mechanical room, is not located in a dedicated two hour enclosure. The current installation meets the installation standards when the pump was installed, but any changes or updates to the fire pump system will be required to meet the currently adopted standards. NFPA 20 2007 Edition requires that fire pumps in a non-sprinkled building shall be separated from the rest of the building by two hour construction. However, NFPA 14 allows for the installation of Manual Wet Standpipe Systems in non-high rise buildings if the local AHJ finds that installation acceptable. This means that an upgrade of the standpipe system to meet today's codes could result in the removal of the fire pump pending the AHJ's approval.

FP4. IFC 2009 Edition requires that in buildings, where the floor level of the highest story is higher than 30 feet above the level of access, a Class III Standpipe System be installed in the building. A Class III Standpipe consists of both 1 ½" hose valve and a 2 ½" hose valve. This building is equipped only with a Class II system consisting of 1 ½" hose valves. IFC 2009 Edition also requires that hose valves on a Class III system be located within every required stairway. The existing hose valves are located in the corridor, not within the stairway. As stated in FP3, an upgrade of the standpipe system to a Class III system would allow for the installation of a semi-automatic system.

In the penthouse cables and wires are zip tied to the standpipe piping, nothing is allowed to be attached to the fire protection piping.

FP5. The existing standpipe system is a 1 ½" system. The current standard require 2 ½" hose valves on the system. IFC2009 also requires that hose valves on the standpipe system be installed in every required exit stairway. The valves are currently installed in the corridor on each floor. Upgrading the standpipe system would involve installing new risers in each stairway and new hose valves on each intermediate landings.



Backflow Preventer



Fire Pump



Fire Pump



Cable Attached to Standpipe



Hose Valve Cabinet



Fire Department Connection

HVAC SYSTEMS

Summary

The building was constructed in 1956 and has undergone numerous renovation projects affecting the HVAC systems. The boilers are original to the building's construction. The refractory is inspected and maintained each year. The boiler controls and burners have been upgraded and/or replaced. The units are expected to last another 5 years. The steam system serves air unit heating coils and steam-to-water heat exchangers that provide hot water to the building's heating units. The penthouse heating system has been replaced. The pumps appear to be in good condition. The basement heating system pump has been replaced. There is no insulation on this system.

The main building ventilation system is a built-up high pressure induction air unit located in the mechanical penthouse. The unit is original to the building's construction but the major components have been replaced. The coils are beginning to show signs of deterioration and will require increased maintenance until such time they fail. This air unit serves induction units located under each window. These induction units are original to the building's construction. The unit's drain pans are deteriorating and on occasion become plugged, causing overflows into the building's envelope cavity. There are no filters on these units. The units are served by a two-pipe system which allows either heating or cooling of the entire building. A two-pipe system was a cost effective way of providing heating and cooling at the time, however it leads to temperature fluctuations on opposite sides of the building in the spring and fall. The occupants are typically more uncomfortable than with a four-pipe system.

There are three additional air units. One air unit is dedicated to the basement, one dedicated to the council chambers and one dedicated to interior spaces on the upper floor. These units are original to the building's construction but the major components have been replaced. The cooling coils are deteriorating and will require increased maintenance until such time they fail.

A water cooled air unit is located in a closet on first floor and serves the reception desk and a room on second floor. The unit requires replacement. Occupant dissatisfaction with the unit's operation has led the staff to simply turn the unit off.

The chiller was replaced in 2008 and the cooling tower in 2011. The pumps have also been replaced. The piping, in general, is in fair condition. However, pipe insulation is missing or has deteriorated around the air unit coils and this is causing rust and deterioration of the piping. The lack of insulation at the induction unit coils allows condensation to form and drip into the building's envelope cavity.

Four main exhaust fans serve the building's exhaust ventilation requirements. The fans are in fair condition, however the ducts, mostly original to the building, are dirty and leak. Exhaust ventilation is reduced significantly at the lower levels. A fan that previously served a blue print machine is abandoned in the area way. The fan is still powered with the manual on/off/auto switch located in a break room.

There are rooms in the lower level that are occupied and not ventilated. The corridors throughout the building are used as plenums to transfer the air from the outer offices to the return grilles located in the corridors or to the interior toilet rooms.

The IT department cooling unit was installed approximately 7 years ago (per staff) to provide additional air conditioning to this department. No issues with the unit's operation were noted.

The building controls are primarily pneumatic with some DDC control added to the air units, chiller, and boiler systems to provide some central monitoring. Air compressors are located in the boiler room.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
AHU-1				Original 1956.
Housing	**HP**	$370,000	**H1**	Upstream of coils in good condition.
Air intake	**D**	(incl.)	**H1**	Outside air dampers are shut.
Coils	**HP**	(incl.)	**H1**	Steam, Chilled water. Chilled water coil casing is deteriorating.
Fan	**F**			20000 CFM, 50HP
Filters	**F**			30%
Controls	**F**			Pneumatic actuators, some DDC interface.
Insulation	**HP**	(incl.)	**H1**	Insulation missing at some ductwork. Minor damage to insulation throughout penthouse. Cooling coil piping is in poor condition.
Mechanical Room Ductwork	**D**	(incl.)	**H1**	Original except where replaced during projects. The main exit corridor is used as a return plenum on each floor. No economizer.
Distribution Ductwork	**HP**	$960,000	**H1**	No fire dampers at the floor penetrations. Shafts are not fire rated/protected.
Exterior Room Comfort				
Induction Terminals	**HP**	2,600,000	**H2**	Most units original to building. Two-pipe system. Thermal issues throughout building. No filters on unit. Deteriorating drain pans.
AHU-2				Original 1956
Housing	**HP**	$150,000	**H3**	Rusting around the coils.
Air Intake	**C**			From AHU-1
Coils	**HP**	(incl.)	**H3**	Chilled water coil casing is deteriorating.
Fan	**F**			4800 CFM, 3 HP
Filters	**F**			30% (From AHU-1)
Controls	**F**			Pneumatic actuators, some DDC interface.
Ductwork	**D**	(incl.)	**H3**	Original except where replaced during projects. The corridor is used as a return plenum. No economizer.

Insulation	**HP**	(incl.)	**H3**	Insulation missing at some ductwork. Chilled water insulation is in poor condition.
AHU-3				Original 1956
Housing	**HP**	$150,000	**H4**	Rusting around the coils.
Air Intake	**C**			From AHU-1
Coils	**HP**	(incl.)	**H4**	Chilled water coil casing is deteriorating.
Fan	**F**			2000 CFM, 1 HP
Filters	**F**			30% (From AHU-1)
Controls	**F**			Pneumatic actuators, some DDC interface.
Ductwork	**D**	(incl.)		Original except where replaced during projects. The corridor is used as a plenum. No economizer.
Insulation	**HP**	(incl.)	**H4**	Insulation missing at some ductwork. Chilled water insulation is in poor condition.
AHU-4				Original 1956
Housing	**HP**	$150,000	**H5**	Upsize the replacement unit to serve the entire basement.
Air Intake	**HP**	(incl.)	**H5**	
Coils	**HP**	(incl.)	**H5**	Steam and chilled water. Chilled water coil added later, downstream of unit.
Fan	**HP**	(incl.)	**H5**	1700 CFM, 1/2 HP
Filters	**C**			30%
Controls	**HP**	(incl.)	**H5**	Pneumatic actuators, some DDC interface.
Ductwork	**D**	(incl.)	**H5**	Ductwork has been revised and extended to serve mainly the copy room and some office area. The corridor is used as a return plenum. No economizer.
Insulation	**HP**	(incl.)	**H5**	Exposed duct. Outside air duct did not appear to be insulated.
AHU-5				
Housing	**HP**	$9,000	**H6**	Unit is turned off due to staff dissatisfaction.
Coils	**HP**	(incl.)	**H6**	City water cooled. Recommend 1.5 ton air cooled condensing unit.
Filter	**HP**	(incl.)	**H6**	20%
Chiller/Cooling Tower			**H7**	
Chiller	**C**			Installed 2008, 160 tons, R134A
Cooling Tower	**C**			Installed 2011

Pumps	C			320 GPM, 10 HP(CT) and 480 GPM, 10 HP(CWS)
Insulation	C			
Data Room Cooling Units			**H7**	
Housing	C			Approximately 7 years old. No issues indicated by staff.
Condensing Units	C			
Exhaust Fans				
General Exhaust	HP	$30,000	**H8**	Four centrifugal fans. Consider replacement with a single unit. Exhaust fan and ductwork is needed in basement.
Exhaust Ductwork	HP	$40,000	**H8**	Mostly original. Minimal replacement during renovation projects. Lint/dust is coating the grilles and ductwork. Recommend cleaning, sealing, and rebalance.
Heating System			**H9**	
Boilers	HP	$210,000	**H9**	Original boilers. Controls and Burners are upgraded. Refractory ok (per staff). 15,180 EDR, 15 PSI steam.
Pumps	C			(2) 0.5 HP boiler feed pumps. (2) 10 HP secondary pumps (330 GPM) Fractional HP basement Pump (16 GPM)
Converters	F			
Piping	F			
Pipe Insulation	CP	$20,000	**H9**	Penthouse seasonal water pumps are not insulated for pumping cold water. No insulation on basement steam to water converter. Original insulation is deteriorating.
Room Terminal Units	HP	$50,000	**H10**	Older Units. Zone thermostat controls units in multiple rooms. Thermal issues.
Mechanical Room Ventilation				
Mechanical Room	HP	$8,000	**H11**	Refrigerant leak sensor installed. Fan appears to be adequately sized. Recommend control improvement for ventilation to control space temperature.
Boiler Room	D	$10,000	**H11**	Combustion intake at high louver, not ducted to structure above or to floor.
Controls			**H12**	
Air Compressor	C			Two Simplex 2 HP units with extra tank. Newer air dryer
Room Control	F			Original pneumatics. Replace with low voltage DDC during mechanical improvement projects
DDC Control	HP	$35,000	**H12**	Upgrade required with major mechanical replacement project. Installed 2002.

NOTES:

H1. AHU-1 is a built-up unit. The intake and filters also serve AHU-2 and AHU-3. The intake dampers are closed. A contractor told staff that the leakage through the damper provides 5% outside air which is approximately 1,250 CFM. The building exhaust is approximately 4 times greater which indicates the building is under a constant negative pressure. It is recommended to balance the system to provide the additional outside air, achieve a positively pressurized building, and improve the indoor air quality.

The air unit housing is in fair condition except at the coils where it is more deteriorated. The major components have been maintained and upgraded to keep the unit operational well beyond the unit's expected useful life. The unit's coils will require increased maintenance until such time they fail. There is no return fan or relief air damper on this unit to allow the unit to economize and take advantage of moderate weather conditions. This unit utilizes the buildings exit corridors as plenums which is no longer allowed by code as it creates a safety hazard in a fire emergency. The ductwork floor penetrations did not appear to be protected at each floor. It is recommended to replace this air unit and reconfigure the duct systems to provide an economizer and protect penetrations between floors.

The distribution supply ductwork is located in the outer walls between sets of induction terminals. The return ductwork is located in a centralized shaft. The high priority (HP) grade is given to allow this item's estimated cost to be grouped into the building cost summary. New building codes would require fire dampers at each floor and the duct shafts to be 2-hr rated. Although installation of fire dampers and rated shafts will improve building and occupant safety, the existing building code does not require it for an equipment replacement project. Renovation projects which modify the shaft, ductwork, or equipment will require the shafts to be upgraded.

H2. The building's exterior rooms are served by induction units under each window. These units are served by a two pipe system which provides either hot or chilled water. The inability to heat and cool rooms individually leads to overheating and overcooling of rooms in the spring and fall. To aid in manually manipulating the units, staff has provided adjustable deflector panels on the window sills to allow the occupants to deflect the air into the room or to cover the sill outlet and minimize the amount of air coming from the unit.

The unit's drain pans are deteriorating and on occasion plug, which then overflows into the building's envelope. There is no filter on these units which allows lint to plug the unit's coil. Staff cleans the coils when a unit's cover plate is removed for maintenance. The induction unit is poorly ducted to the sill grille which allows air to be immediately recirculated into the induction unit. In addition, the induction unit's intake is extremely small compared to new units and this restricts its ability to induce more air and allow greater air exchanges within the rooms. Pipe insulation has, in general, been removed to maintain the induction units and control valves. Condensation forms on the bare pipe and it drips into the envelope wall.

The recommendation is to replace and upgrade the induction unit system. The budget offered in the legend above will replace the induction units with a four pipe system. Alternates to this type of system include variable refrigerant flow and a ducted VAV system. These systems budgets increase to 3.6 million. Each system type has advantages and disadvantages in regards to energy efficiency, ceiling type, occupant disruption, and thermal comfort. It is recommended to review each system type and how it affects the building occupants prior to budgeting for this project.

H3. AHU-2 is original to the building and serves the interior spaces on the upper two floors. The unit has been maintained and the major components have been replaced to keep the unit operational well past its expected useful life. The unit housing is deteriorating around the coils. Pipe insulation is missing and condensation is deteriorating the piping and valve components. This unit utilizes the buildings exit corridors as plenums which is no longer allowed by code as it creates a safety hazard in a fire emergency. It is recommended to replace this air unit, add an economizer, and revise the ductwork serving the floors. It is recommended to replace this air unit simultaneously with the other penthouse units.

H4. AHU-3 is original to the building. The unit has been maintained and the major components have been replaced to keep the unit operational well past its expected useful life. The unit housing is deteriorating around the coils. Pipe insulation is missing and condensation is deteriorating the piping and valve components. This unit utilizes the buildings exit corridors as plenums which is no longer allowed by code as it creates a safety hazard in a fire emergency. It is recommended to replace this air unit. It is recommended to replace this air unit simultaneously with the other penthouse units and consider omitting this unit if a variable refrigerant flow system is utilized as indicated in H1 above.

H5. AHU-4 is located in the basement and primarily is meant to serve the copy room although the duct main has been tapped to serve some office space. The unit was originally heating only but a cooling coil has been added downstream of the unit to provide air conditioning. The ductwork did not appear to be insulated. The unit uses the main basement corridor as a plenum to return the air. There are multiple spaces that are occupied that are not ventilated. This unit is in fair condition but is well past its expected useful life. It is too small to serve the entire basement area. A project to replace the air unit, revise the duct system, and properly ventilate the basement rooms is recommended.

H6. AHU-5 is a water cooled unit serving the welcome desk on first floor and a room on second floor. The staff has this unit turned off due to the occupants' dissatisfaction with its operation. A project to replace this unit with a blower coil and a 1.5 ton condensing unit is recommended. To provide additional room comfort reheat coils could be added in subsequent projects to allow individual room control. A variable refrigerant flow system as indicated above would allow this unit to be omitted.

H7. The chiller, cooling tower, and IT department cooling unit have all been replaced within the last 7 years. Staff did not indicate issues with any of the units operations.

H8. The office building exhaust system is served by multiple centrifugal fans. Dust and lint build-up is prevalent at toilet room grilles and in the ductwork. Air flow within the lower level rooms is diminished and can be attributed to older ductwork combined with the dirtying of the systems. Fire dampers at the floor penetrations were not readily visible and may not exist. Duct cleaning, taping and sealing, and air balancing are recommended. The multiple exhaust fans can be replaced with a single exhaust fan as these fans primarily serve toilet rooms which are required to be ventilated when the building is occupied.

A side wall propeller fan installed in the basement recirculates air between the room and the corridor. This fan is recommended to be removed and/or ducted to meet code. A project to improve the basement ventilation is recommended to include the expansion/renovation of the existing exhaust system.

H9. The boilers are original to the buildings construction. The refractory is inspected annually and is repaired as needed. The boiler burners and controls have been replaced and upgraded over the years. The boilers are expected to last another 5 years. These are steam boilers that serve three air unit steam coils and two steam to water heat exchangers. Originally, the boilers served an absorption chiller, which has since been removed. The air units have very little steam load. The current steam load is primarily the steam to water converter serving the hot water used in the induction terminals. It is recommended to replace the steam boilers with hi-efficiency condensing hot water boilers. Replacement of the boilers with steam boilers will escalate the construction estimate offered in the legend above. It is recommended to pipe the boiler relief valves to the floor in the interim.

One steam to water heat exchanger is located in the basement and serves the basement and some first floor heating units. There is no insulation on the unit or the piping through most of the basement. The pump appears to have been replaced recently. It is recommended to remove this converter system when the boilers are replaced with water boilers.

The steam to water heat exchanger system in the penthouse mechanical room has been replaced. This unit serves the induction terminals. The pumps appear to be new and are used for both hot and chilled water. The pumps are not insulated and condensation forms on the pumps and the adjacent piping. This condensation will damage insulation and advance the corrosion of the piping and pump. It is recommended to remove this converter system when the boilers are replaced. It is recommended to insulate the pumps to prevent condensation.

H10. The basement heating units are combined together and are controlled by zone thermostats. The zoning creates uneven heating and thermal discomfort throughout the basement. It is recommended to revise the control by adding a thermostat at each occupied room and a control valve at each heating unit.

Steam unit heaters are located sporadically around the building and appear to be original to the building. These units will require replacement (or removal) when the boilers are replaced.

H11. The penthouse mechanical room has an exhaust fan that is operated by a refrigerant leak detector. Electrical and data equipment is installed in the mechanical room and the room is quite warm. It is recommended to revise the exhaust fan control to ventilate the room based on room temperature as well as refrigerant leak detection.

The boiler room combustion air is served by a couple of dampered louvers. These intakes terminate at the louver about mid-height on the wall. Current code requires the combustion duct to terminate at high and low points in the room. It is recommended to correct the combustion ductwork when the boiler system is replaced.

H12. The air compressor serving the buildings pneumatic controls appears to operate sufficiently. One of the units appears to be new. As systems are replaced, low voltage DDC controls are recommended for installation as this will allow greater monitoring of the system. A DDC front end computer is located in an office in the basement. The DDC controls were installed in 2002 and will require an upgrade as the mechanical systems are replaced.



AHU-1 Steam Coil



AHU-2 and 3 Coils



AHU-2 and AHU-3



AHU-4



Water Cooled Blower Coil (AHU-5)



AHU-1 Intake



Typical Exhaust Fan



Mechanical Room Fan



Basement Room Ventilation Fan



Typical Unit Heater



Boiler (1 of 2)



Boiler Chemical Feeder



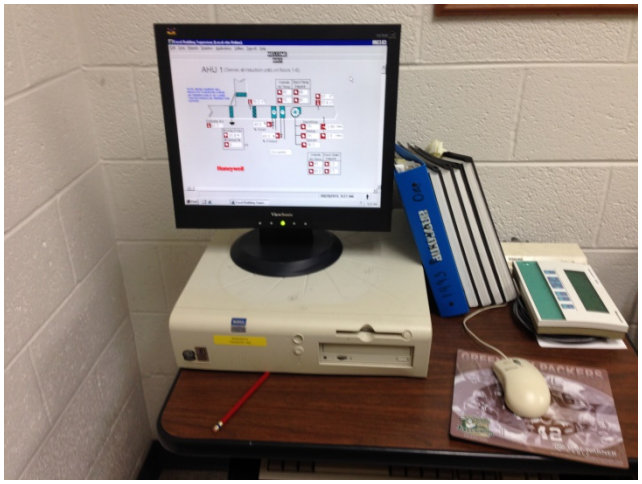
Condensate Receiver



Air Dryer



Air Compressors



Temperature Control Computer



Induction Unit Water Pumps



Basement Hot water System



Building Steam to Water Converters



Chiller



Condenser Pump



Chilled Water Pump



Cooling Tower



IT Department Condenser



Typical Induction Unit Piping



Condensation Below Induction Unit (in wall)



Exhaust Grille (Typical)



Vestibule Heater (Typical)



Gas Meter



Exhaust Fan Discharge (Abandoned)

ELECTRICAL SYSTEMS

Summary

City Hall is served by a 2000 Amp, 120/208 Volt, three phase electrical service. The Main Switchboard (MSB) is a Square D model Saflex fusible-switch type; it is located in the basement. The MSB is original to the building (circa 1956). Although the equipment appears in good condition, Square D no longer supports this style of switchboard. Often the mechanical component of a switch (the action of OPENING and CLOSING) becomes difficult to operate or simply fails to operate. Eventually replacement parts become difficult to find. The MSB consists of three service disconnect switches, and a distribution section. Each of the service disconnects is labeled – although more prominent labels and labels identifying each disconnect by number (e.g. – Service Disconnect No. 1, Service Disconnect No. 2, etc.) is recommended. Portions of the electrical room are being used for storage. Ideally this room should be kept storage-free , assuring easy access to equipment in case of emergency or maintenance. The switch providing the normal power feed to the automatic transfer switch (ATS) is labeled "Emergency Circuits Disconnect". It is recommended this label be changed to "Normal Power to ATS" since "emergency" circuits are fed from the generator and are not disconnected by this switch when utility power is lost.

Understanding how power is distributed in the penthouse could be improved by installing a motor control center. Currently the feeder serving the penthouse is tapped several times to serve numerous disconnect switches.

A 60-kW diesel-fueled generator provides standby power. The generator is enclosed within a weather-housing and is located on-grade near the southeast corner of the building. It feeds an automatic transfer switch (ATS) rated 225-amps. The ATS is located in the basement across from the MSB. Although the generator serves both lighting and non-lighting loads the presence of battery-operated emergency lighting throughout the building, plus the absence of a second ATS, indicates the generator is not relied upon for emergency egress. The generator is reportedly exercised under load each week. The diesel fuel tank is double-walled and situated in the generator's support structure.

The main emergency power panel (EPP) is located adjacent to the ATS. EPP is a Square D Load Center with a 200A main circuit breaker. The panel has 24 1-pole spaces available.

A manual transfer switch with a pin-and-sleeve receptacle for connecting a temporary generator was installed in the basement recently by the communications provider whose transmitting equipment is installed on the building's rooftop. The normal feed to the manual transfer switch is tapped from the bus of the MSB despite there being a spare 200A switch available in the distribution section of MSB.

Branch panels for both normal and emergency power are manufactured by Square D. The majority of these panels are Square D model QO, and are recessed (flush-mounted) in walls in the stairwells. One panel is located in the Men's room on the first floor. Although the condition of these panels is good, Square D no longer manufactures the model QO, and replacement parts are becoming more difficult to acquire. Having them located in the stairwells is unusual, and the fact they are flush-mounted makes it difficult to access if a new conduit is needed for a new circuit. In some instances proper working access (standing on a level surface) is not provided. Overall the condition of the branch panels is good, but their age means replacement circuit breakers will become increasingly difficult to acquire. It would be very difficult and costly to relocate the panels, but it is possible to improve a poor situation by replacing the interiors and panel covers to improve reliability and ease of access.

Battery-operated emergency egress lighting fixtures occur sporadically throughout the building. Each one that was tested worked, however, the quantity of the fixtures, fixture placement, and overall performance do not comply with current standards.

Generally lighting fixtures throughout the buildings are in good to fair condition, and utilize T8 fluorescent lamps and electronic ballasts. An exception is lighting fixtures in the Printing Room of the basement – which are suspended fixtures with louvers using T12 fluorescent lamps. T12 lamps are no longer manufactured.

Areas with the original concealed grid ceilings are using the original 1x4 flush-mounted fluorescent lighting fixtures that have been retrofit with T8 fluorescent lamps and electronic ballasts. The quantity of original 1x4 lighting fixtures is greater than a modern lighting design would call for. The fact that many of the original lighting fixtures either have burned-out lamps or lamps have purposely been removed may indicate an effort to reduce lighting levels and/or conserve energy. Prismatic lenses are yellowing in many of the original 1x4 flush-mounted lighting fixtures. Some original 1x4 fixtures have been retrofit with paracube lens.

Where concealed grid ceilings have been replaced with lay-in acoustical tile ceilings lighting fixtures have also been replaced. Replacement fixtures use T8 fluorescent lamps with electronic ballasts. Fixtures either utilize a prismatic lens or a parabolic louver.

The building is protected by a Faraday fire alarm system. It is a zoned system. Both the control panel and annunciator are located in a small room on the north end of the first floor. Coverage with visual and audible/visual alarms is inconsistent – some areas are compliant, some are not. Use of smoke and/or heat detectors is also inconsistent.

Various unsealed corridor wall penetrations were observed throughout the building. The majority of these penetrations appear to be due to distribution of fiber optic cabling or other communications cabling.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Switchboard (MSB)	F	$60,000	E1,E2, E4,E5	Age lessens reliability of switches opening and closing; switches should be lubricated periodically. Plan for eventual replacement.
Branch Panels	F	$35,000	E3	Replace obsolete panel interiors; replace panel covers.
Motor Control Center (MCC)	F	$6,500		Consolidate equipment in Penthouse in MCC
Emergency Power Distribution Equipment				
Automatic Transfer Switch	C			225-amp Onan appears in good condition
Branch Panels	F	$15,000	E3	Replace obsolete panel interiors; replace panel covers.
Lighting				
Throughout entire building but majority on Floors 3, 4, and 6	F	$10,000	E6	Replace yellowed lenses and paracube lenses of original 1x4 lighting fixtures.
Throughout entire building but majority on Floors 3, 4, and 6	F	$35,000	E7	Replace remaining original 1x4 lighting fixtures
Exterior	F	$3,500	E9	Replace HID with LED.

Seal Penetrations				
Seal Penetrations	**CP**	**$1,200**		Fire seal penetrations through corridor walls
Emergency Egress Lighting				
Emergency Egress Lighting and Exit Signs	**HP**	**$30,000**	E8	Add a second ATS and panelboards dedicated to emergency egress lighting
Emergency Egress Lighting and Exit Signs	**HP**	**$20,000**	E8	New Unit Equipment (battery equipment) as needed to comply with current Code
Fire Alarm				
Upgrade to an Addressable Control Panel	**CP**	**$40,000**	E10	Plan replacement of existing zoned system with an addressable system and increase coverage of audible and audible/visual alarms for compliance.

NOTES:

E1. Change label of switch protecting "normal" feed to the ATS from "Emergency Circuits Disconnect" to "Normal Power to ATS".

E2. Replacement parts and circuit breakers will eventually be unavailable due to the equipment's age and the fact the OEM no longer supports the equipment.

E3. Existing panel interiors can be replaced with new interiors (bus and circuit breakers) to improve reliability; existing covers with spring-loaded 1/4-turn fasteners are difficult to remove and reinstall and have a history of pinching wiring. New covers can be provided with the new interiors that will allow much easier and safer access for maintenance.

E4. Change services disconnect labels to read "Service Disconnect No. 1", "Service Disconnect No. 2", and "Service Disconnect No. 3".

E5. Lubricating mechanical components regularly as part of a preventative maintenance program enhances continued and reliable operation of equipment.

E6. Replacing paracube lenses and yellowed prismatic lenses with acrylic prismatic lenses will brighten spaces, improve lighting uniformity, and make them more appealing.

E7. Replace existing fixtures if ceilings are replaced.

E8. A second ATS and branch panels dedicated to emergency egress lighting is the better option long term since the facility already has a standby generator. While unit equipment (battery operated emergency lighting) is the least expensive first-dollars solution, it has ongoing maintenance material and labor costs related to replacing batteries every 3 to 5 years.

E9. Replacing HID-lamped fixtures with LED fixtures will result in lower operating and maintenance costs.

E10. An addressable system provides reporting on each device in the system.



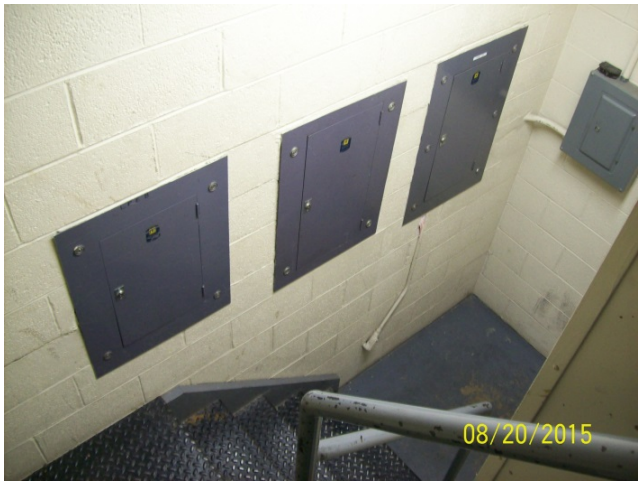
Main Switchboard – Service Equipment



Main Emergency Panel



Electric Panels in Stairwells



Electric Panels in Stairwell to Penthouse



Distribution of Power in Penthouse



Fire Alarm Control Panel and Annunciator



Basement – U sealed Penetration at Corridor Wall



Basement – Unsealed Penetration at Corridor Wall



4th Floor – Unsealed Penetration of Corridor Wall



Original Lighting in Concealed Spline Ceiling



Power Panel Mounted too High



Battery-operated Emergency Egress Lighting

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EVALUATION

OF

CITY-OWNED FACILITITES

PARKS SHOP & MAINTENANCE

August, 2015

PARKS DEPARTMENT

SUMMARY

Date of Visit: August 6, 2015
Address: 919 Crocker Street

Building Description

The Parks Shop & Maintenance building was built for the department in 1989 and has not been added onto since its original construction. It consists of a one-story concrete block office component joined with a tall masonry and metal building shop and maintenance structure. The shop area includes several mezzanines for storage, and large overhead doors on three of its four sides.

There is no secondary drainage for the lower roof over the office area.

Code/Accessibility

Two legal means of egress are available from all areas of the building, including the storage mezzanine within the repair/shop area. Yellow floor markings in the shop support this by indicating exit routes. Stored items should be moved off the yellow indicated pathways.

A fire rated separation between the Business and Storage occupancies of the building is recommended to be maintained. Gas/air tanks not in use should be stored in a rated room. Those in use should be placed in areas not near vehicular traffic.

Building is at-grade, and one entrance to the business area is accessible. The following accessibility features/upgrades are recommended:

- Designated accessible parking spot and signage
- Pipe protection at some drinking fountains
- Accessible height counter and sink in lunchroom
- Single-user, unisex, accessible toilet and shower room with lockers

Structural System

The structure is primarily an "Armco" pre-engineered metal building with standing seam roof deck, z-purlins, and structural steel rigid frames, as well as a combination of load-bearing and non-load-bearing masonry walls, all bearing on cast-in-place foundations.

Plumbing Systems

The original piping is in fair condition and can be replaced as needed. Insulation could be added to the hot water piping for energy savings. Thermostatic mixing valves (TMV's) and recirculation pump(s) should be added to correct code issues. Lack of hot water is an issue – needs recirculation pump installed and system balanced. Eyewashes require tempered water – add TMV's.

Building is served by gutters/downspouts in the shop area, discharge to grade. Interior roof drains/exterior downspouts on the office roof, no secondary drainage on the lower roof.

Plumbing fixtures are older, flush valve(s) could be updated to conserve water. Building utilities in general appear adequate.

Fire Protection

The Parks Shop and Maintenance building has not had any renovations since the completion of the building. The fire sprinkler system is original to the building.

The shop/storage area of the building is fully sprinkled with a wet pipe sprinkler system. The system piping, valves, and sprinkler heads appear to be in fair to good condition with only light corrosion and no signs of leaking.

HVAC Systems

The equipment, in general, is original to the buildings construction except a condensing unit serving the shop air unit has been replaced.

An air unit with split system air conditioning serves the shop rooms. The air system provides minimal ventilation, fresh air, and air conditioning to these rooms as a single zone, constant volume air unit system.

An air unit serving the offices, locker rooms, and break area is a multi-zone, VAV air unit system with split system DX condensing unit.

A direct fired make-up air unit serves the paint shop and another unit serves the storage/repair garage.

Three hot water boilers provide hot water to the VAV and air unit heating coils. These boilers are standard efficiency units. A boiler room combustion air fan is required on the small combustion air duct. Although the boilers and pumps are redundant this fan does not have redundancy and upon its failure the boilers will not operate properly.

The locker room exhaust requirements are served by power roof ventilators.

The storage and repair garage exhaust requirements are served by multiple side wall exhaust fans. An under slab vehicle exhaust system and welding exhaust capture system are installed in the repair area.

The office area temperature control system is pneumatic. Low and line voltage controls are utilized on the remaining air unit and fan systems. The temperature control air compressor system appears to be in good condition.

Electrical Systems

The building's electric service is rated 1200-amps at 120/208-volts, 3-Phase. The main service disconnect and distribution feeders are protected by fusible switches. There is space for one new 400-amp fusible switch.

An automatic transfer switch (ATS) feeds a 400A emergency power distribution panel. There is space for two additional 60-amp switches in the emergency power distribution panel. Branch panels connected to the emergency power system are not labeled in a manner that readily identifies them as connected to emergency power.

Exit signs incorporate battery back-up. There are no other battery supplied emergency egress lighting fixtures. Lighting controls (occupancy sensors) are present in smaller rooms but lacking in larger spaces.

Receptacles are not GFCI type. The plug openings of some receptacles in the painting area are filled with paint.

Coverage with audible and visual fire alarm devices is not code compliant.

The building's communications are delivered through a 12-strand fiber optic cable. Only 2 of the 12 strands are being used. The fiber optic cable is terminated in an equipment rack located in the boiler room. The electronic equipment (network switch/router) installed in this rack, and a nearby 150-VA UPS, would benefit from a space with cooler temperatures and better ventilation. The stacking and storing of supplies immediately next to the equipment contributes to the poor ventilation condition.

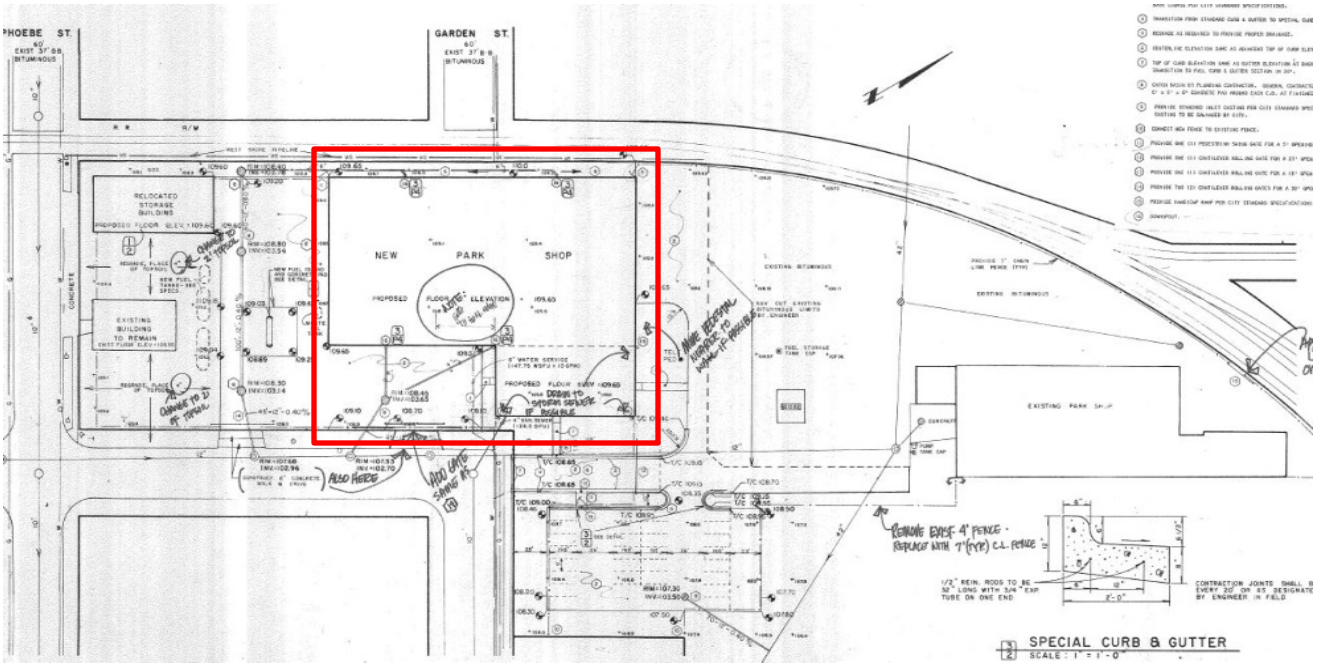
Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural				**NA**
Code/ADA			Sink	**$2,000-$3,000**
			Accessible Toilet	**$12,000-$15,000**
			Accessible Shower	**See above**
Code Subtotal				**$14,000-$18,000**
Structural				**NA**
Fire Protection	Backflow Prevention			**$7,000**
Plumbing			Insulation	**$20,000**
	Eyewash(es)			**$8,000**
	Thermal Mixing Valve (TMV)			**$8,000**
	Backflow Prevention			**$1,000**
Plumbing Subtotal				**$37,000**
HVAC Systems				
Air Unit-Office Area			Housing (incl. fan, filters)	**$80,000**
			Condenser	**$20,000**
			Insulation	**$1,000**
			Room Terminal Units	**$20,000**
Air Unit-Shop Area			Housing (incl. fan, filters)	**$60,000**
Exhaust Fans			Ductwork	**$10,000**
Boiler System			Boilers	**$85,000**
Mechanical Room Ventilation	Mechanical Room Ventilation			**$12,000**
Controls			Building Management	**$25,000**
Garage and Shop Ventilation			Make-up Air Unit for Garage and Paint Booth	**$200,000**
			Exhaust	**$15,000**

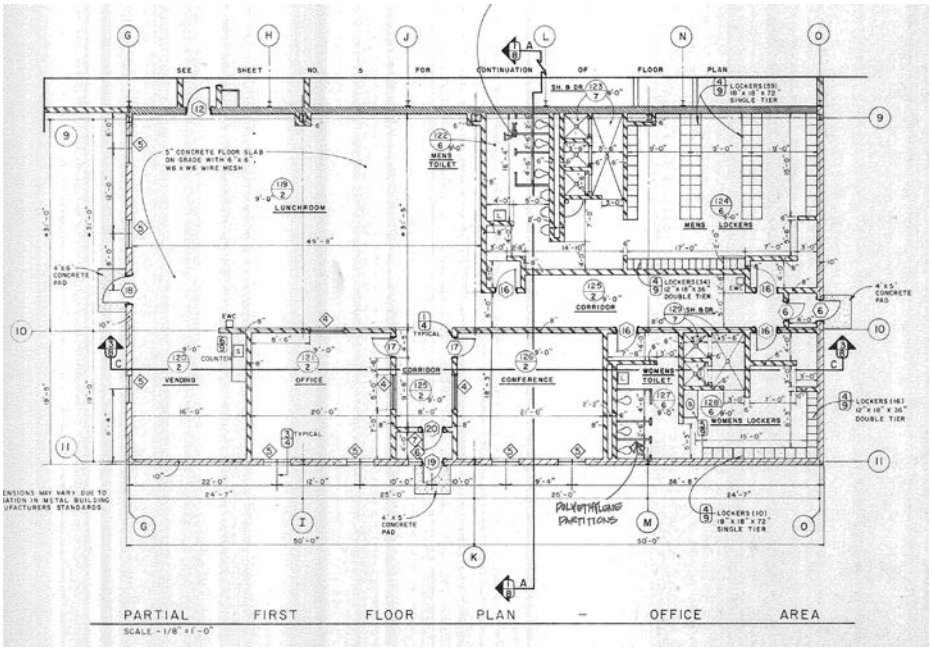
ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
			Control	**$20,000**
			Radiant Heaters	**$60,000**
			Repair Garage Vehicle Exhaust	**$10,000**
			Paint Booth	**$8,000**
			Paint Storage	**$2,000**
	Pesticide Storage			**$5,000**
HVAC Subtotal				**$633,000**
Electrical			Branch Panels	**$500**
	Garage			**$1,500**
		Emergency Egress Lighting and Exit Signs		**$20,000**
			Audible and Audible/Visual Alarms	**$5,000**
Electrical Subtotal				**$27,000**
Building Total				**$711,000-$715,000**



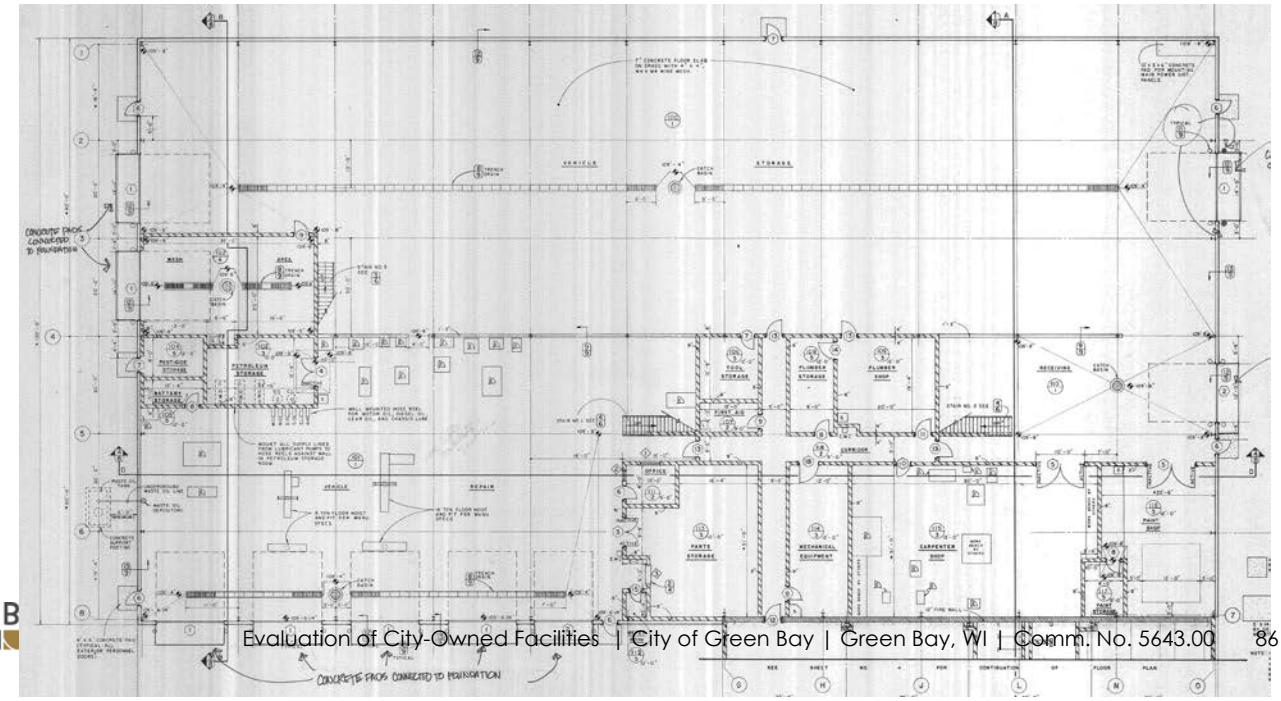
Site Plan



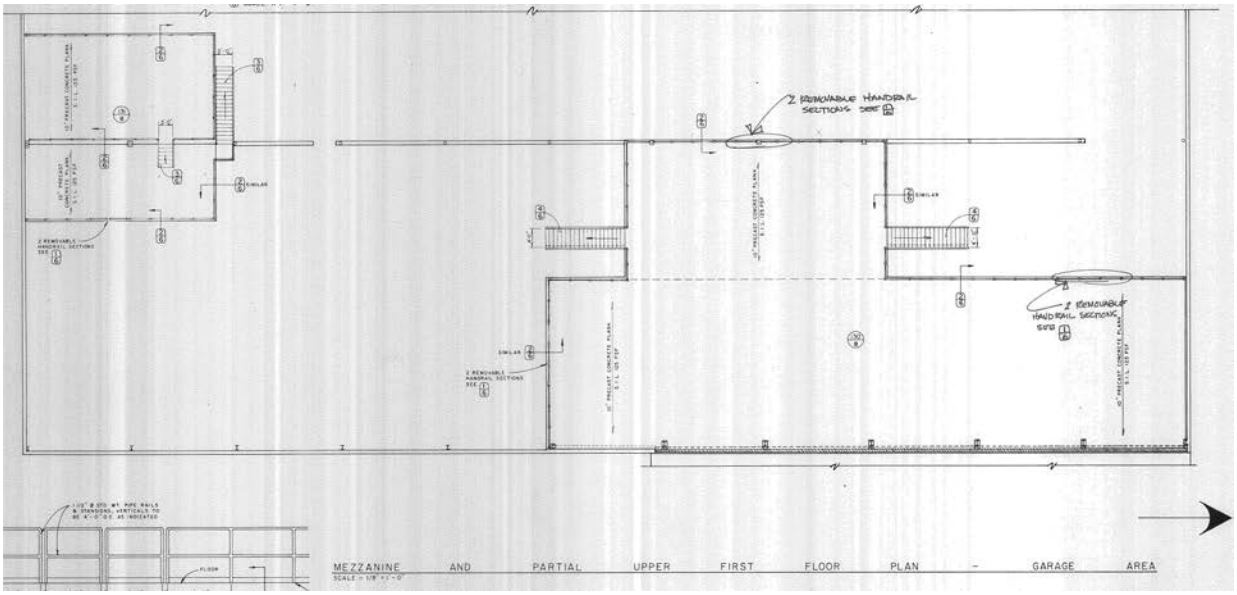
Aerial View of Site



Office area of 1st Floor



Shop/Maintenance area of 1st Floor



Shop mezzanine plan

ARCHITECTURAL

Building Description

The Parks Shop & Maintenance building was built for the department in 1989 and has not been added onto since its original construction. It consists of a one-story concrete block office component joined with a tall masonry and metal building shop and maintenance structure. The shop area includes several mezzanines for storage, and large overhead doors on three of its four sides.

Building Envelope

Exterior Walls

There are two different wall types for the two areas of the building. The shop/maintenance area has a concrete base of approximately 12" high, with 4' of concrete block cavity wall above. Over this base are insulated, corrugated metal wall panels. Both components are in good condition.

Windows

Fixed aluminum frame casement windows are used in the office area. There are no windows in the shop section of the building.

Roof

The shop area of the building has a low-slope metal roof served by exterior gutters and downspouts which discharge to grade.

The lower office area has low-slope metal roof with interior drains. Its corrugated metal soffit and parapet wall do not provide any scuppers for secondary drainage.

Interior Finishes

Floors

The shop and maintenance floor and the wood shop floor are sealed concrete.
Floors in the break room, corridors and offices of the office wing are large format porcelain tile. Toilet and locker room floors are a 3 or 4 color brown/oatmeal mix of 1" ceramic mosaic tile.

Walls

Walls in the shop and maintenance area are exposed structure of either the masonry base course (painted) or the metal building component.
Walls in the office wing are primarily painted concrete block. The shower areas have full-height 4 ¼" glazed ceramic tile.

Doors

Main entry doors to the office wing are full-light aluminum door and sidelight at both sides of a vestibule. Other exterior doors are insulated FRP with a narrow light. The FRP doors are replacements of the original doors, and have lever handles.
Door from office directly to shop area, and doors within the shop are flush metal, some with, some without vision light in the door.

Ceilings

The office area ceilings are 2x2 flat acoustic panels. There is water staining of the panels over a door leading from the break room to a corridor adjacent to the wood shop, indicating past roof leakage. Shower areas have painted solid substrate ceilings. Shop areas, including those work areas adjacent to the office, have exposed structure at ceiling.

Casework

Banks of casework in the break area are all wood bases with plastic laminate tops, but appear to be from two separate time frames. The bank by the sink has surface mounted hinges, door and drawer pulls, flat panel construction with a routed-in detail on each face. The counters by the snack area and garbage area flat panel with no pulls and off-set hinges. One laminate counter top is chipped and damaged, otherwise the casework is in fair condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	C	$8,000	A1	
Exterior Facade Condition	C			
Exterior Door Condition	C			
Window Condition	C			
Interior walls	C		A2	
Floors	C			
Ceilings	F			Replace stained ceiling tile.

NOTES:

A1. Relief scuppers are recommended for the lower office roof as secondary drainage. Condition of roof itself is not a concern at this time.

A2. Fill holes and paint in areas where equipment was previously mounted.



Southeast Corner of Shop and Office



Office Wing



Northwest End of Shop



Side Entry to Office



East Elevation on Crocker Street



South and East Elevations



Roof of Office, Upper East Elevation of Shop



Roof of Office



Fascia and Soffit of Office



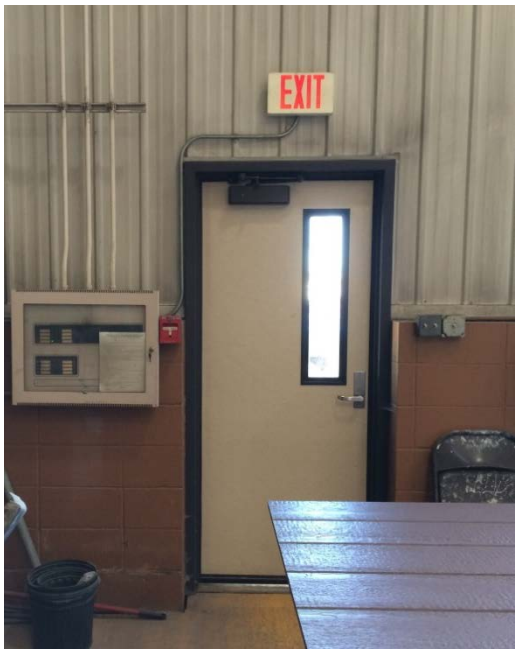
South Entry to Office Area



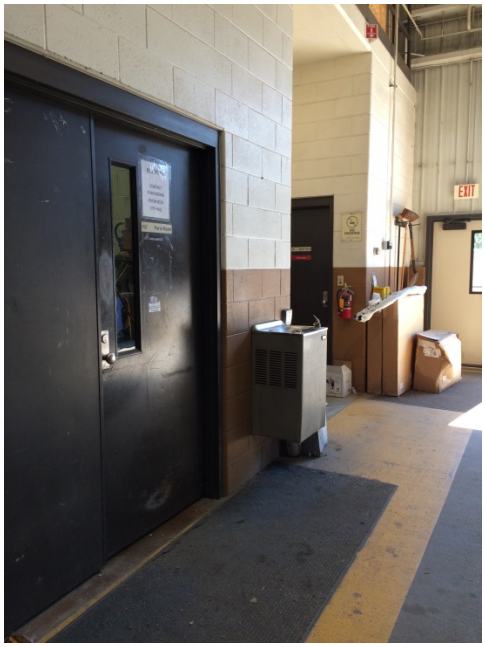
Shop, Looking South



Shop, from Mezzanine



Exterior FRP Door



Interior HM Doors



Office Adjacent to Entry



Corridor and Break Room



Damaged Countertop



Stained Ceiling Panels



Men's Locker Room



Women's Bathroom/Locker Room

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	1989	**Gross Area**	31,500 SF
Occupancy Classification *(Chapter 3 of IBC)*	The WI building code at the time of construction and additions would have placed the building under Chapter 54 Factory, Office, Mercantile occupancy category for the Business area, and Chapter 59 Hazardous Occupancies for the shop/maintenance area. Current code would place it under **S-1 Moderate Hazard Storage**, separated from **B Business**.		
Construction Type *(Chapter 6 IBC)*	The classes of construction at the time would have probably been Type 6, Metal Frame, Unprotected. The building's materials would place it equivalent **to Type II-B** in the 2009 IBC.		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

Egress and Safety

Two legal means of egress are available from all areas of the building, including the storage mezzanine within the repair/shop area. Yellow floor markings in the shop support this by indicating exit routes. Stored items should be moved off the yellow indicated pathways.

Stairs, Handrails and Guardrails

There are no stair shafts, but two open stairs within the main repair/shop area. Openings in guards and handrails are in compliance with IBC 1013.3, exception 4.

Separations

There is a fire rated separation between the office/locker room section of the building and the shop/maintenance areas. Exact rating of the door opening was not determined, but code at the time it was built would have required a 2-hour separation between Chapter 54 Factory, Office & Mercantile and Chapter 59 Hazardous Occupancy. The mechanical equipment room is also rated.

Although the current code does not call for a separation of Business and S-1 Storage occupancies, it is recommended that this separation be maintained, due to the quantity of the building that would fit the description of S-2 Low Hazard Storage, which does require a 2 hour rated separation for an unsprinkered building.

Gas/air tanks were observed in numerous locations throughout the shop, including adjacent to the overhead door for vehicle access to the south. Typically these would be required to be kept in a 1-hour rated storage room, but it is understood that they are used as part of the maintenance operations in the shop. It is recommended that the tanks not being used are stored in a separate room, and that those in use be place in areas not subject to vehicular traffic.

Summary of Accessibility/ADA Compliance

Accessible Route

Entry to the building is at grade, and parking is available near the accessible entrances, but there was no signage indicating a designated accessible spot.

Within the building, corridors provide an accessible route to all areas of primary use in the Business section; unobstructed paths are available in the Storage section of the building. Mazed door entrances to the locker and toilet rooms do not provide maneuvering clearances per ADA, as they were built prior to its enactment. Compliant configuration would be possible with remodeling, but this would involve relocating concrete block walls and removal of some lockers for both Men's and Women's Locker Rooms. There does not appear to be enough room to also reconfigure the toilet room entrances, but these are accessible through the locker rooms.

The front vestibule does not provide enough distance between the two doors to be accessible. Direct entry is available through the side door.

Doors

The building has a combination of push/pull hardware and knob handles. Knobs are not accessible. Doors all provide the minimum clear width for passage. See discussion of accessible route for maneuvering clearances. The door between shop area and business area does not provide the required 18" of clearance on the latch side of the door to be considered accessible.

Plumbing Fixtures

- Sink:
  - Sink in lunchroom counter is not at accessible height (34" is accessible).
- Drinking fountains:
  - One in lunchroom has spout at 32", which complies with the lower accessible height.
  - A standing height drinking option, with spout height at 42", is available in the shop area and in the corridor of the Business section.
- Lavatories:
  - Men's toilet room has one lavatory at 33" rim height, which is ADA compliant. Pipes underneath are not protected per guidelines.
  - Women's toilet room has one lavatory at 33" rim height. Pipes underneath are not protected.
- Toilets:
  - Neither Men's nor Women's rooms provide a toilet stall that complies with ADA guidelines.
- Showers:
  - Neither Men's nor Women's rooms provide an accessible shower.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Egress and Safety	C			
Stair Shafts	NA		CA1	
Handrails/Guardrails	C			
Separations	C / HP		CA2	
Accessible Route	F		CA3 & CA4	
Doors	C / F		CA6	
Plumbing Fixtures				
Sink	HP	$2,000 - $3,000	CA8	
Drinking Fountain	F		CA7	
Accessible Toilet	HP	$12,000 - $15,000	CA5 & CA7	Cost estimate is for one room, per note CA5 below.
Accessible Shower	HP		CA5	Cost included in note above.

NOTES:

CA1. Move stored items off the yellow marked egress routes within the building.

CA2. Gas/air tanks should be stored in a 1-hour rated room. Those in use during the work day should be stored/placed in areas away from vehicular traffic.

CA3. Provide signage and pavement marking for accessible parking stall near side (accessible) entry door.

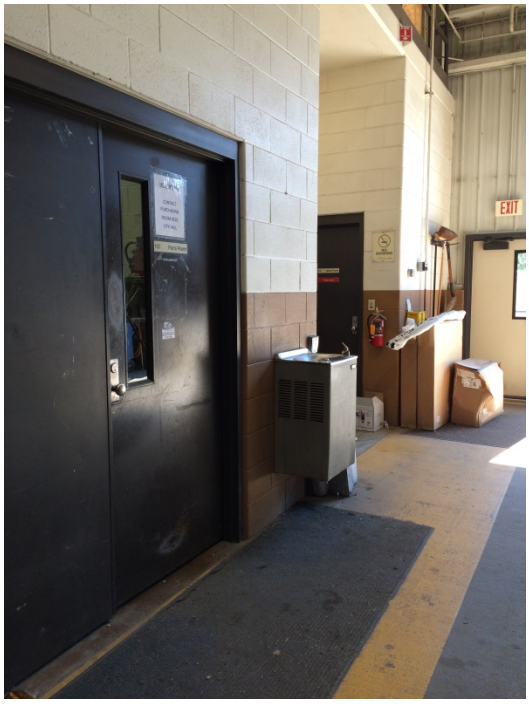
CA4. In lieu of reconfiguring mazed entrances to locker rooms, see note CA5.

CA5. To address accessibility issues with locker and toilet rooms, recommend providing a single-user, unisex, accessible toilet and shower room with two lockers.

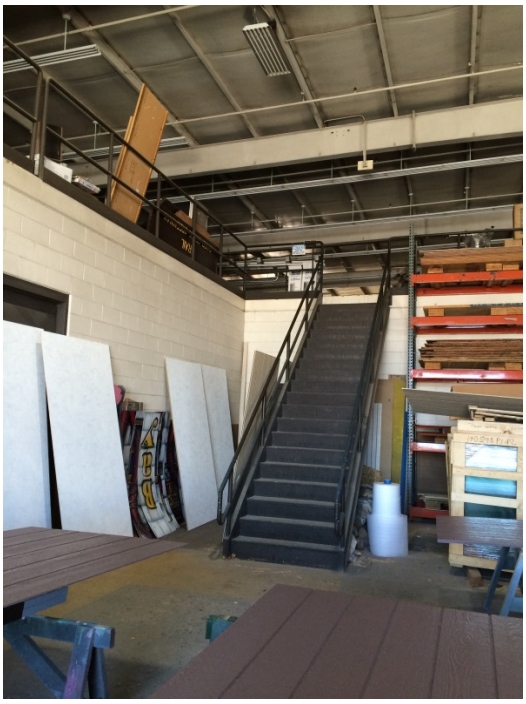
CA6. Lever handles would comply with accessibility codes and facilitate ease of use. Lever handles are code requirement for any new or renovated work.

CA7. Provide pipe protection at accessible drinking fountains and lavatories.

CA8. Lunchroom sink and counter should be at 34" rim height maximum.



Clear Items from Yellow Egress Path



Mezzanine Access



Rated Separation to Shop



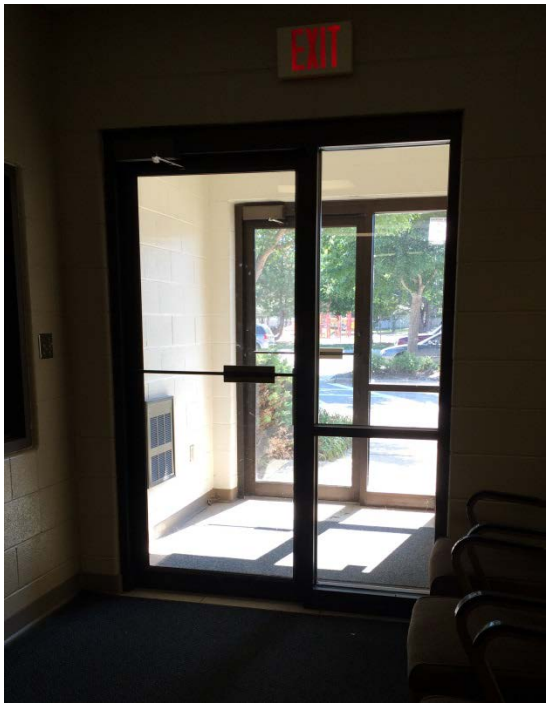
Label at Mechanical Room Door/Frame



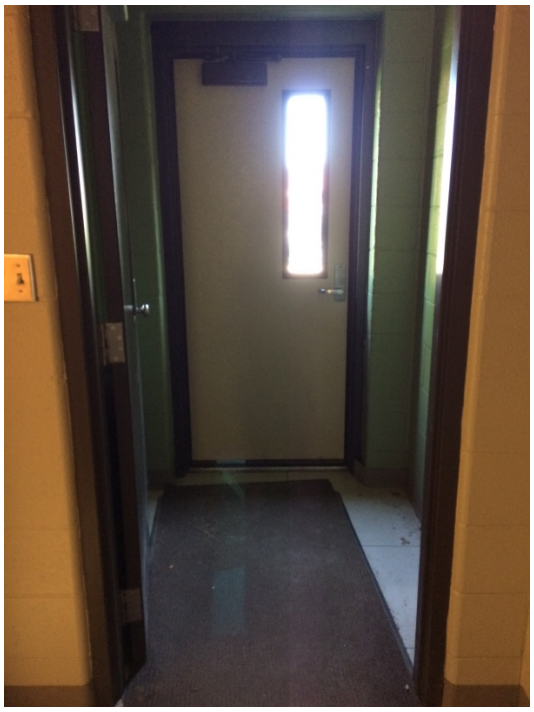
Tanks Adjacent to Vehicle Access



Shop Operations



Front (East) Vestibule
Non-accessible



North Vestibule
Non-accessible



Recommended Location for Accessible Parking Stall



Accessible Height Drinking Fountain



Accessible Urinals



Existing Stall in Men's Room Size not ADA Compliant



Sills at Men's Showers



Interior of Men's Locker Room



Women's Locker Room
Lavatory Shown is not Accessible



Sill at Women's Showers



Accessible Lavatory
Pipes Require Protection



Existing Stall in Women's Room
Size not ADA Compliant



Drinking Fountain and Sink at Lunchroom

STRUCTURAL SYSTEM

Summary

The structure is primarily an "Armco" pre-engineered metal building with standing seam roof deck, z-purlins, and structural steel rigid frames, as well as a combination of load-bearing and non-load-bearing masonry walls, all bearing on cast-in-place foundations.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				1989 (G.B. DPW – Engineering Division)
Structure Type				
Foundations	**C**			Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings.
1st Floor	**C**			A. Vehicle Storage/Repair Shop - 7" concrete slab on grade with 4x4 #4/#4 wire mesh reinforcing. B. Offices/Lockers - 5" concrete slab on grade with 6x6 W6xW6 wire mesh reinforcing.
Garage Mezzanines	**C**			10" precast prestressed concrete plank over 8" load-bearing masonry walls.
Roof	**C**			Standing seam steel roof deck over z-purlins supported by structural steel rigid frames.
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams, columns, walls, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**		**S1.**	The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There are various locations of minor shrinkage cracking of concrete floor slabs, but they do not pose a structural concern and no remedial action is recommended at this time.

PLUMBING SYSTEMS

Summary

The Parks and Shop Maintenance building was constructed in approximately 1989. The original piping is in fair condition and can be replaced as needed. Insulation could be added to the hot water piping for energy savings. Thermostatic mixing valves (TMV's) and recirculation pump(s) should be added to correct code issues. Lack of hot water is an issue – needs recirculation pump installed and system balanced. Eyewashes require tempered water – add TMV's.

Building is served by gutters/downspouts in the shop area, discharge to grade. Interior roof drains/exterior downspouts on the office roof, no secondary drainage on the lower roof.

Plumbing fixtures are older, flush valve(s) could be updated to conserve water. Building utilities in general appear adequate.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	N/A	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	PVC & cast iron
Storm/Clearwater System	F		P3	Gutter, downspouts
Valves	F		P4	Gate & ball
Domestic Water Service	C		P5	8" main –combined w./ FP.
Insulation	HP	$20,000	P6	Add insulation
Code Issues	D	See below	P7	TMV, Backflow Prevention, Recirculation Pump
Equipment				
Domestic Water Heater	F		P8	(3) gas-fired
Recirculation Pump(s)	F	$4,000	P9	
Water Softener	N/A			
Eyewash(es)	D	$8,000	P10	Add TMV's
Thermal Mixing Valve (TMV)	D	$8,000	P11	Add TMV (code issue)
Plumbing Fixtures	F		P12	
Backflow Prevention	D	$1,000	P13	Add vacuum breaker on hose conn.
"Shop" Air Compressor	F		P14	Industrial Air, Sullair
Truck Wash	F		P15	
Shop/Truck Garage	F		P16	Trench drain, garage catch basin

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Exterior				
Storm Drainage, Roof Drains	**F**		P17	
Utilities	**F**		P18	8" water main, 4" sanitary sewer

NOTES:

P1. Water piping is copper, soldered joints. Fair condition. Piping is missing insulation in areas.

P2. Original sanitary is cast iron, no-hub. Piping from the later additions is cast iron no-hub.

P3. Storm system is gutters and downspouts. Roof area over the office area is a pitched metal roof to interior roof drain(s) which connect to downspouts below. Freezing could be an issue with the exterior downspout connected to a roof drain above.

P4. Older valves are gate, newer valves are ball.

P5. Building is served by an 8" water main. Domestic main is 2" with a meter set and 3-valve bypass. There is also a separate meter installed for the exterior hose fill.

P6. Water piping is insulated with glass fiber but insulation is missing in some areas. Piping in the shop areas are exposed - no insulation. Insulation could be added for energy savings and to prevent condensation.

P7. Code issues: Water temperature only got to approximately 100° Fahrenheit after several minutes. No thermostatic mixing valve (TMV) at the heaters. Add TMV per code. Add HWR recirculation pump – pump has been removed in the office area/showers. Eyewashes require tempered water – add TMV's to the units. Faucet or hose connections should have threaded hose end vacuum breakers installed. Washing machine and eyewash discharge to a janitor's curb which is technically not allowed per code.

P8. Water heater(s) are gas fired, direct vent, AO Smith ProMax, 40,000 BTU, 50 gallon. There is a separate gas-fired Hotsy high pressure water heater for the truck wash.

P9. Water heaters do not have a recirculation pump installed. Heater for the office/locker rooms had a recirculation pump installed but is now removed. System needs to have recirculation pump installed and system balanced. Hot water temperature barely reached 100° Fahrenheit.

P10. Eyewashes require tempered water. Install TMV's at the (3) eyewashes.

P11. Add TMV's to the water heaters. Set hot water temperature to 110° Fahrenheit. Code issue.

P12. Plumbing fixtures: Water closets are wall-hung with flush valve(s). There is an ADA stall in each locker room. Lavatories are wall-hung in Men's and in-counter in Women's locker room, metering faucets. Lavatories should have safety covers installed to be ADA compliant. Men's locker room also has a terrazzo wash fountain. Showers are built-up with Symmons-Temptrol shower valve. Electric water cooler by the breakroom has a bottle filler installed. Urinals are wall-hung with battery operated sensor flush valve – non ADA compliant height. Janitors' sinks have elevated vacuum breakers installed. High pressure wash wand also has a backflow preventer installed. 1 ½" exterior hose fill by the shop has an elevated atmospheric vacuum breaker installed.

P13. Install a hose end vacuum breaker on all hose bibs.

P14. Industrial air compressor on the mezzanine for the Shop Area. Sullair 20hp, 208 Volt air compressors with Zeks dryer in the shop area.

P15. Truck wash area has a garage catch basin with trench drains. Area is served by separate water heater and a high pressure unit with spray wands and janitors sink.

P16. Garage/Shop areas: Trench drain(s) route to garage catch basins.

P17. Upper shop roof is pitched to gutters and downspouts which discharge to grade. Lower roof area is pitched to interior roof drains which discharge to downspouts below, then to underground storm piping.

P18. Building is served by an 8" water main, 2" for domestic water and 6" main for the fire protection. Sanitary sewer is 4" routed to Crocker Street. 6" storm routes to Crocker Street and 8" routes to Phoebe Street. Parking lots have interior catch basin(s).



Cast Iron Vent Piping



Water Main & Meter



Water Meter for Hose Fill



Vent Piping



Water Piping



Water Heater – Locker Rooms



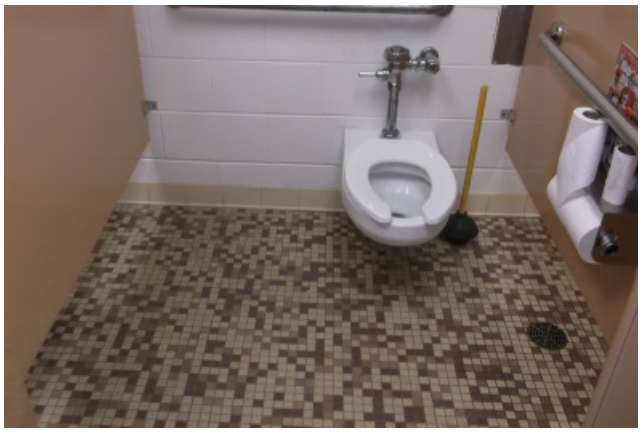
Water Heater Venting



Water Heater – Mezzanine



Hot Water Heaters – Mezzanine



Water Closet – Men's



Urinal's – Men's



Lavatory – Men's



Shower – Men's



Wash Fountain – Men's



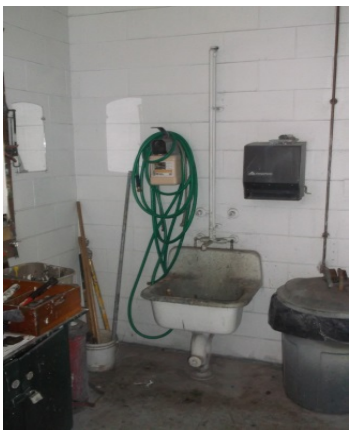
Water Closet – Women's



Lavatory – Women's



Lavatory – First Aid Room



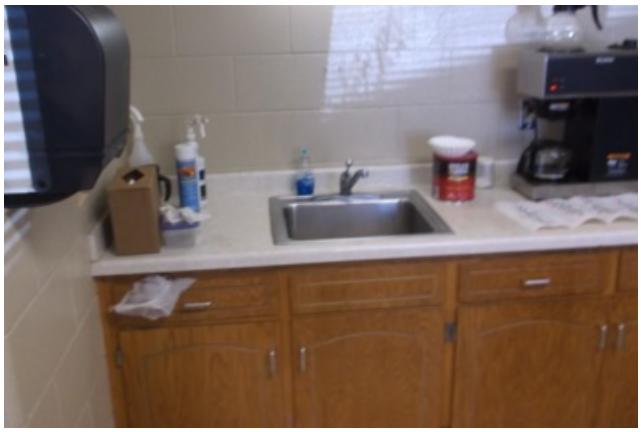
Janitor's Sink



Janitor's Sink in Truck Wash



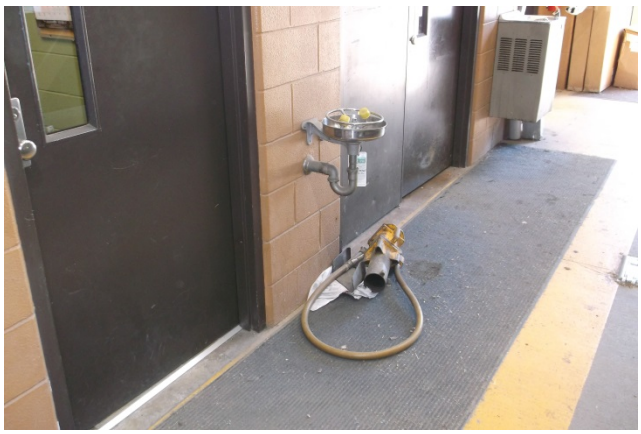
EWC at Breakroom



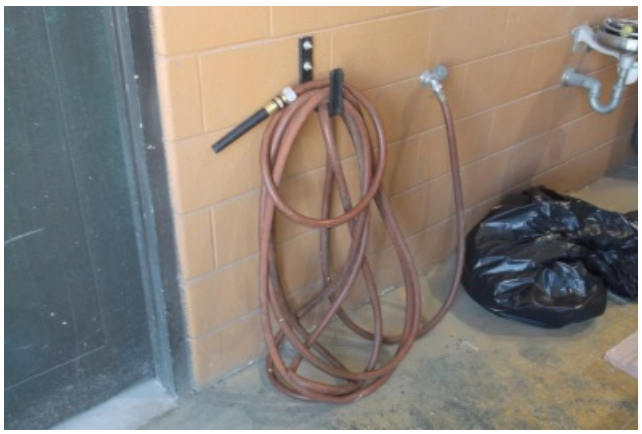
Breakroom Sink



EWC in Shop



"Non-compliant" Eyewash



Hose Connection



Hose Connection



“Shop” Air Compressor with Dryer



“Shop” Air Compressor – Mezzanine



Air Reel in Shops



Air Connection at Paint Booth



Washer Connection



Gutter & Downspouts



Downspout Connection



Downspout to Underground



Office Roof



Roof Edge



Garage Catch Basin with Trench Drains



Trench Drain



Yard Catch Basin

FIRE PROTECTION SYSTEMS

Summary

The Parks Shop and Maintenance building was constructed in 1989 and has not had any renovations since the completion of the building. The fire sprinkler system is original to the building.

The shop/storage area of the building is fully sprinkled with a wet pipe sprinkler system. The system piping, valves, and sprinkler heads appear to be in fair to good condition with only light corrosion and no signs of leaking.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

FIRE PROTECTION	GRADE	BUDGET COST	NOTES	COMMENTS
Water Service	**C**		FP1	6" Water Service
Backflow Prevention	**D**	**$7,000**	FP2	4" Check Valve
Fire Pump	**NA**		FP3	
Fire Pump Controller	**NA**		FP3	
Jockey Pump	**NA**		FP3	
Jockey Pump Controller	**NA**		FP3	
Wet Pipe Sprinkler System	**F**		FP4	
Valves	**F**			
Piping	**F**			
Sprinkler Heads	**F**			
Percent of Building Unit Sprinkled	**85%**		FP5	
Other Fire Protection Systems				
Antifreeze System	**F**		FP6	

NOTES:

FP1. The water service is a 6" main that enters the building through the floor of the Meter Room 112. The main then tees off to the domestic water service and reduces to a 4" Fire Protection riser. In the riser is a 4" check valve. There is no isolation valve on the upstream side of the check valve to allow removal for repair or replacement.

FP2. The 4" check valve serves as the backflow prevention between the fire sprinkler system and the domestic water supply. The single check valve is not an acceptable means of backflow prevention. As a minimum a double check valve backflow prevention assembly is required between the fire sprinkler system and the domestic system to prevent contamination of the domestic water system.

FP3. The fire sprinkler system is supplied by the city water pressure, no fire pump, pump controller, or jockey pump are installed on the fire sprinkler system.

FP4. The sprinkler system piping, valves, and sprinkler heads appear to be in overall fair to good condition. The piping in the shop appears to have light corrosion but are in overall good shape. The sprinkler heads and piping in the Wash Area 102 are heavily corroded. The sprinkler heads in the Carpenter Shop 115 appear to be well maintained are free from dust, while the heads in the Paint Shop 116 are poorly covered with plastic bags. The plastic bags should meet the requirements of NFPA 13 and should completely cover the sprinkler head to prevent paint build up on the sprinkler heads.

FP5. The shop/storage area of the building is fully sprinkled. The lunchroom/office area is not sprinkled and is separated from the shop area by a fire wall according to the original building plans.

FP6. An antifreeze loop is located on the south end of the building which serves the Wash Area 102.



Sprinkler Head under Overhead Door



Sprinkler Head covered with bag in Paint Booth



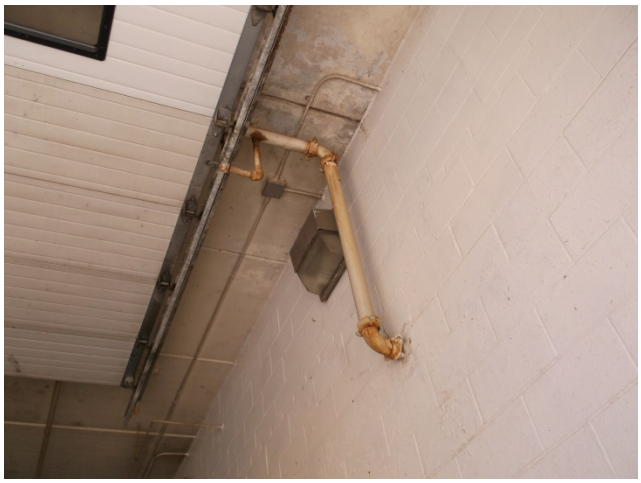
Fire Sprinkler System Riser



PIV Control Valve and Fire Department Connection



Antifreeze Loop



Corroded Pipe in the Wash Bay

HVAC SYSTEMS

Summary

The new shop was constructed in 1989-1990. The equipment, in general, is original to the buildings construction except a condensing unit serving the shop air unit has been replaced.

An air unit with split system air conditioning serves the shop rooms. The air system provides minimal ventilation, fresh air, and air conditioning to these rooms as a single zone, constant volume air unit system.

An air unit serving the offices, locker rooms, and break area is a multi-zone, VAV air unit system with split system DX condensing unit.

A direct fired make-up air unit serves the paint shop and another unit serves the storage/repair garage.

Three hot water boilers provide hot water to the VAV and air unit heating coils. These boilers are standard efficiency units. A boiler room combustion air fan is required on the small combustion air duct. Although the boilers and pumps are redundant this fan does not have redundancy and upon its failure the boilers will not operate properly.

The locker room exhaust requirements are served by power roof ventilators.

The storage and repair garage exhaust requirements are served by multiple side wall exhaust fans. An under slab vehicle exhaust system and welding exhaust capture system are installed in the repair area.

The office area temperature control system is pneumatic. Low and line voltage controls are utilized on the remaining air unit and fan systems. The temperature control air compressor system appears to be in good condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air Unit-Office Area				
Housing	HP	$80,000	H1	Unit is 25 years old. Expected useful life is 30 years.
Air intake	C			
Fan	HP	(incl.)	H1	5500 CFM, 3HP
Filters	HP	(incl.)	H1	30% filters
Controls	C			Pneumatic, replace with unit upgrade project.
Ductwork	C			Appears to be in good shape.
Condenser	HP	$20,000	H1	Unit tag is unreadable. Unit is original.
Insulation	HP	$1,000	H1	Refrigerant insulation is deteriorated outside of the building. Ductwork insulation is intact.
Room Terminal Units	HP	$20,000	H1	Units are 25 years old. Expected useful life is 25 years or less.
Air Unit-Shop Area				
Housing	HP	$60,000	H2	Unit is 25 years old. Expected useful life is 30 years.
Air intake	C			
Fan	HP	(incl.)	H2	1800 CFM, 1.5HP
Filters	HP	(incl.)	H2	30% filters
Controls	C			Pneumatic, replace with unit upgrade project.
Ductwork	C			Appears to be in good shape.
Condenser	N		H2	Trane, 6 Ton
Insulation	C			
Room Terminal Units	C		H2	No units. Unit is designed for single zone temperature control to provide minimum ventilation
Exhaust Fans				
Lockers, Lunch Room	C		H3	1800 CFM, 1/3HP.
Ductwork	HP	$10,000	H3	Duct connections to grilles are poor, ductwork is dirty and original.
Boiler System				
Boilers	HP	$85,000	H4	(3) Burnham Boilers, 133MBH. Units are approaching their expected useful life.

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
				Inspected 2012.
Pumps	C			(2) 30 GPM, 1/4HP
Piping	C			
Pipe Insulation	C			
Mechanical Room Ventilation	D	$12,000	H4	Boiler room combustion fan is required as duct is small. Fan failure could stop boilers. Room is hot and contains electronics.
Controls				
Air Compressor	C		H5	5 HP-Simplex unit.
Building Management	HP	$25,000	H5	Install with air unit replacement projects.
Garage and Shop Ventilation				
Make-up Air Unit for Garage and Paint Booth	HP	$200,000	H6	10000 and 12000 CFM, direct fired.
Exhaust	HP	$15,000	H6	4500 CFM-1/4HP and 6500 CFM-½ HP.
Control	HP	$20,000	H6	Timer operated.
Radiant Heaters	HP	$60,000	H6	Multiple units between 60 and 130 MBH. Units are original and at their expected useful life.
Repair Garage Vehicle Exhaust	HP	$10,000	H6	Dedicated capture fan connected to vehicles via hoses. 2000 CFM-1HP
Welding Exhaust	C			500 CFM-1/2HP
Dust Collector	C			2500 CFM-7.5HP
Paint Booth	HP	$8,000	H6	12000 CFM-2HP
Paint Storage	HP	$2,000	H6	160 CFM-1/4HP
Circulation Fans	C			
Pesticide Storage	D	$5,000	H6	460 CFM-1/4HP Staff indicated this unit is not operating automatically and pesticide odor is overwhelming.

NOTES:

H1. The air unit is approximately 25 years old with an expected life of 25-30 years depending on maintenance and operation of the unit. This is a VAV system with hot water coil and refrigerant cooling coil with a split system DX condensing unit. The condensing unit is original and at its expected useful life. The insulation on the outdoor piping has failed and has fallen away in multiple locations, which will reduce system efficiency. The VAV air terminals serving the individual rooms are at their expected useful life as well. It is recommended to replace the air unit, condensing unit, and the VAV terminals with similar equipment.

H2. The air unit is approximately 25 years old with an expected life of 25-30 years depending on maintenance and operation of the unit. The unit is constant volume with hot water coil and refrigerant coil with a split system DX condensing unit. The condensing unit has already been replaced. Staff did not indicate an issue with the single zone concept and this unit providing minimal ventilation and air conditioning to the shop spaces. It is recommended to replace the air unit with a similarly sized unit.

H3. The exhaust fan appears to be in good condition. The ductwork is original and 25 year old ductwork will typically be dirty and leak. In addition, the duct connections to the system's grilles are poor. A project to clean, seal, reconfigure duct connections, and balance the system is recommended.

H4. The three natural gas, hot water boilers are 25 years old and approaching their expected useful life. Their efficiency is 5-10 percent below what new units can easily achieve. There is little to no monitoring capability on these old units. The combustion ventilation is minimal at best. A fan is required as the combustion duct is small. If this fan fails the boilers may not operate properly. In addition this room is hot and contains electronic gear. A project to replace the boilers and pumps with high efficiency condensing boilers and improve the room's combustion ventilation is recommended.

H5. The temperature control air compressor is in good condition. The existing equipment is standalone. New air units and exhaust fan replacement projects will include low voltage DDC control. A building management system will allow monitoring of all of the buildings equipment from a remote location or from a computer terminal within the building. It is recommended that major equipment replacement projects such as air unit or boiler replacement project, include a building management system.

H6. The paint booth and vehicle storage repair garage are served by direct fired make-up air units. These units are approaching the end of their useful life. It is recommended to replace this equipment with indirect fired units. Indirect fired units will duct combustion gases directly to the outdoors in lieu of supplying them into the occupied spaces.

The storage and repair garage is served by two side wall exhaust fans. These fans are approaching the end of their useful life. In addition, these fans appear to be slightly undersized to meet current code requirements. It is recommended to replace these fans with similar equipment, but upsize the units to meet current code.

An enclosed repair and storage garage has specific exhaust code requirements and the garage is required to have a negative pressure in relation to the other occupied spaces. A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. The current system is time clock operated and the new system is recommended to operate continuously when unoccupied and continuously when occupied.

Staff indicated the equipment is original to the buildings construction. It is assumed the radiant heaters are also original. These units would be nearing the end of their useful life.

The fans serving the paint booth, paint storage, and pesticide room are nearing the end of their useful life. These fans serve hazardous areas and the fans failure will lead to odor and fume build up within the served rooms. The odors in the pesticide room are overwhelming. The fan is not capable of properly ventilating this room as it is undersized and there is no transfer air opening into the room. It is recommended to replace these fans and right size them to adequately ventilate the rooms they serve. It is recommended to install guardrails at the paint booth fan or relocate the fan away from the roof edge.



Radiant Heater in Garage



Office AHU



Shop Air Unit



Office Condensing Unit



Shop Condensing Unit



Refrigerant Pipes with Poor Insulation



Poor Duct Connection to Grille



Office Exhaust Fan



Boiler (Typical)



Boiler Room Combustion Vent



Paint Storage Exhaust Fan



Dust Collector



Direct Fired Air Unit (Typical)



Paint Booth



Gas Meter



Under Slab Vehicle Exhaust



Garage Exhaust Fan



Wash Bay Radiant Heater



Welding Hood System



Vehicle Exhaust Fan



Air Compressor



Air Dryer



Pesticide Room Fan



Paint Booth Fan

ELECTRICAL SYSTEMS

Summary

The building's electric service is rated 1200-amps at 120/208-volts, 3-Phase. It is fed from a pad-mounted transformer located north of the building. The main service disconnect and distribution feeders are protected by fusible switches. The equipment is manufactured by General Electric. There is space for one new 400-amp fusible switch.

A 100-kW Onan natural gas-fired standby generator supplies emergency power. An automatic transfer switch (ATS) feeds a 400-amp emergency power distribution panel. There is space for two additional 60-amp switches in the emergency power distribution panel. Branch panels connected to the emergency power system are not labeled in a manner that readily identifies them as connected to emergency power.

Interior lighting utilizes T8 fluorescent lamps and ballasts. Office lighting primarily uses recessed troffers with prismatic lens; garage areas are lit with high-bay fluorescent fixtures. Exit signs incorporate battery back-up. There are no other battery supplied emergency egress lighting fixtures. Lighting in the vehicle wash bay and on the building's exterior is HID. Lighting controls (occupancy sensors) are present in smaller rooms but lacking in larger spaces.

Receptacles are not GFCI type. The plug openings of some receptacles in the painting area are filled with paint.

There is a Simplex model 4002 zoned fire alarm system. Coverage with audible and visual alarm devices is not code compliant.

The building's communications are delivered through a 12-strand fiber optic cable. Only 2 of the 12 strands are being used. The fiber optic cable is terminated in an equipment rack located in the boiler room. The electronic equipment (network switch/router) installed in this rack, and a nearby 150-VA UPS, would benefit from a space with cooler temperatures and better ventilation. The stacking and storing of supplies immediately next to the equipment contributes to the poor ventilation condition.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Disconnect	C	$1,000	E1	Lubricate mechanical components; maintain working clearance (unobstructed access)
Branch Panels	C			Maintain working clearance.
Emergency Power Distribution Equipment				
Emergency Power Distribution Panel	C	$500	E1	Lubricate mechanical components; maintain working clearance (unobstructed access).
Branch Panels	HP	$500	E2	Provide RED laminated labels identifying the main emergency distribution panel and branch panels E, F, G, and H as connected to emergency power.

Receptacles				
Garage	**D**	**$1,500**		Install GFCI type receptacles.
Lighting				
Wash Bay and Exterior	**C**	**$4,500**	E4	Replace HID with LED.
Lighting Controls				
Garage	**C**	**$3,000**		Occupancy sensors installed to turn fixtures OFF when the garage is not occupied.
Emergency Egress Lighting and Exit Signs				
Emergency Egress Lighting and Exit Signs	**CP**	**$20,000**	E3	Add a second ATS and panelboards or add Unit Equipment (battery equipment) dedicated to emergency egress lighting
Fire Alarm				
Audible and Audible/Visual Alarms	**HP**	**$5,000**		Add audible and audible/visual alarms to comply with current Code.
Upgrade to addressable control panel	**F**	**$25,000**	E5	Plan replacement of existing zoned system with an addressable system.
Telecommunications				
Data/Voice	**C**			Data server equipment in good condition with CAT5 cabling.

NOTES:

E1. Lubricating mechanical components regularly as part of a preventative maintenance program enhances continued and reliable operation of equipment.

E2. Panel connected to emergency power are usually Identified with RED labels.

E3. A second ATS and branch panels dedicated to emergency egress lighting is the better option long term since the facility already has a standby generator. While Unit Equipment (battery operated emergency lighting) is the least expensive first-dollars solution, it has ongoing maintenance material and labor costs related to replacing batteries every 3 to 5 years.

E4. LED lighting fixtures will result in lower operating and maintenance costs.

E5. An addressable system provides reporting on each device in the system.



Service Equipment – Access Obstructed



Automatic Transfer Switch



Standby Generator



Access to Panels Obstructed



HID Lighting Fixtures in Wash Bay



Fire Alarm Control Panel



Network Equipment



UPS – Ventilation Impaired by Storage



Occupancy Sensor

EVALUATION

OF

CITY-OWNED FACILITITES

PARKS SHOP STORAGE

August, 2015

PARKS DEPARTMENT

SUMMARY

Date of Visit: August 6, 2015
Address: 824 Phoebe Street

Building Description

The shop storage building is an uninsulated metal building with exposed steel structure internally. It has three large overhead doors at the front (northeast) and back (southwest) sides, allowing for drive-through of vehicles. A layer of insulation under the roof deck has water damage along the ridge inside the building. Insulation at peak in the rear 1/3 of building is damaged and steel frame has rust, indicating possible water infiltration.

There are two swing doors, both on the east side of the building. The construction date of the storage building is unknown.

Code/Accessibility

Two legal means of egress are provided. Knob door hardware could be upgraded to lever handles for better accessibility and ease of use. The back door was difficult to operate. Recommend general cleaning and maintenance of hardware.

There is a step at the exterior of each swing door, but this could be easily addressed with exterior parking lot grading if accessibility were required. The building is typically unoccupied, and entry through the overhead doors is at grade with no step.

Structural System

The structure is a "Stran" pre-engineered metal building with standing seam roof deck, z-purlins, and structural steel rigid frames bearing on cast-in-place foundations.

Plumbing Systems

This is a metal building with metal roofing.
No plumbing systems to report. Building roof pitches edge and discharges to grade.

HVAC Systems

The pre-engineered storage building is unheated and unventilated. The building is used to store various equipment including motorized vehicles.

Electrical Systems

The building is served by a 120/240 Volt, single phase 200-amp electrical service. The main service disconnect is a main circuit breaker in a Square D load center panel. A branch breaker in this panel protects the electrical feeder serving an adjacent building located immediately to the east.

Receptacles are not GFCI protected.

Lighting fixtures utilize T8 fluorescent lamps and are in good condition. There is no emergency egress lighting other than exit signs. Exit signs have battery back-up. An exterior lighting fixture is a HID with integral photocell.

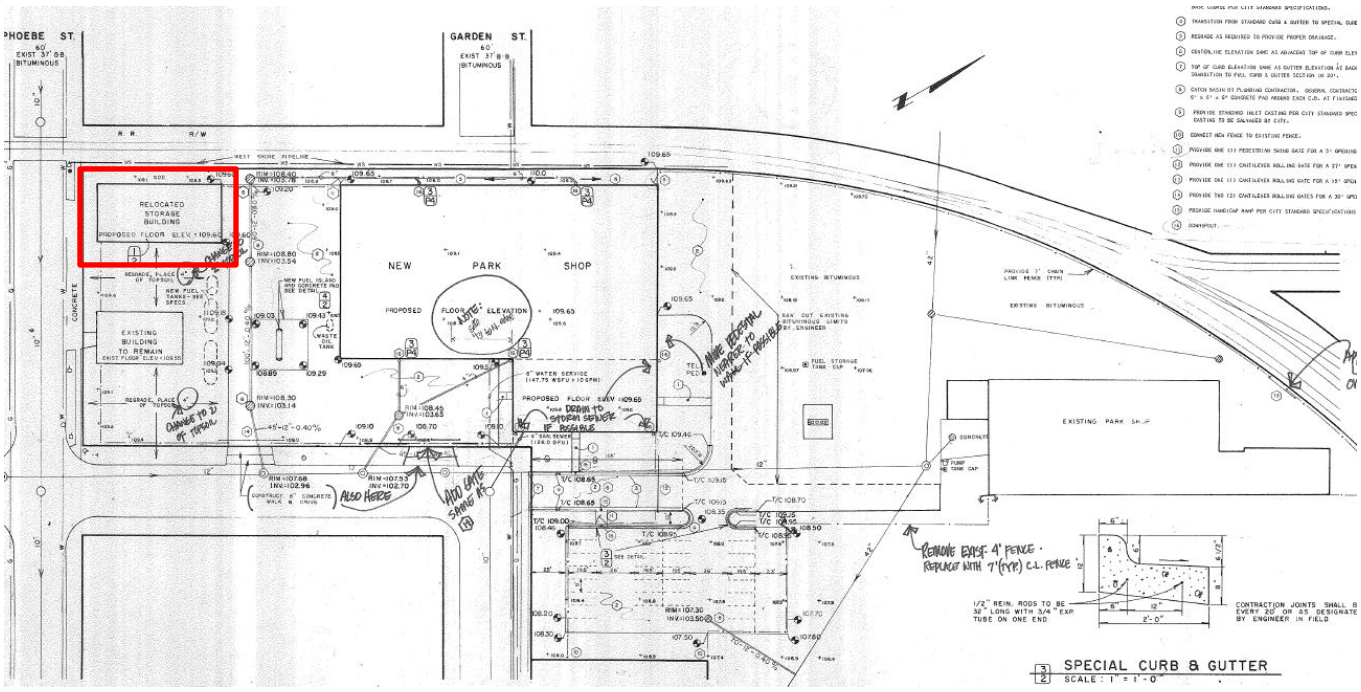
There is no fire alarm system.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural				**NA**
Code/ADA				**NA**
Structural				**NA**
Fire Protection				**NA**
Plumbing				**NA**
HVAC Systems	Air intake/Make-up			**$2,000**
	Exhaust Fan			**$15,000**
	Control			**$10,000**
HVAC Subtotal				**$27,000**
Electrical	Receptacles			**$250**
Building Total				**$27,250**



Site Plan



Aerial View of Site

ARCHITECTURAL

Building Description

The shop storage building is an uninsulated metal building with exposed steel structure internally. It has three large overhead doors at the front (northeast) and back (southwest) sides, allowing for drive-through of vehicles. A layer of insulation under the roof deck has water damage along the ridge inside the building.

There are two swing doors, both on the east side of the building.

Building Envelope

Exterior Walls

Building walls are uninsulated corrugated metal wall panel on steel frame. There is some denting of panels, but this appears to be mainly an aesthetic concern.

Doors

The six large overhead doors (3 front, 3 back) and two swing doors are all painted metal. Rear swing door is in need of oiling for better operation.

Roof

Minimally pitched, corrugated metal roof panel on steel frame. Underside of roof is insulated at interior. Insulation at peak in the rear 1/3 of building is damaged and steel frame has rust, indicating possible water infiltration.

Interior Finishes

The floor is sealed concrete. There are no interior walls.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Unknown	**Gross Area**	4,500 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group S-2 – Storage		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Two legal means of egress are provided. Knob door hardware could be upgraded to lever handles for better accessibility and ease of use. The back door was difficult to operate. Recommend general cleaning and maintenance of hardware.

Summary of Accessibility/ADA Compliance

The building is on grade, with doors 36" wide or greater, which complies with requirements. There is a step at the exterior of each swing door, but this could be easily addressed with exterior parking lot grading if accessibility were required. The building is typically unoccupied, and entry through the overhead doors is at grade with no step.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	F	$2,000-$4,000	A2	
Exterior Facade Condition	C			
Exterior Door Condition	F		A1	
Window Condition	NA			

NOTES:

A1. Recommend general cleaning and oiling of hardware elements for better functionality. Plan for lever hardware in the future for easier use.

A2. Investigate water infiltration before repairing insulation at interior.



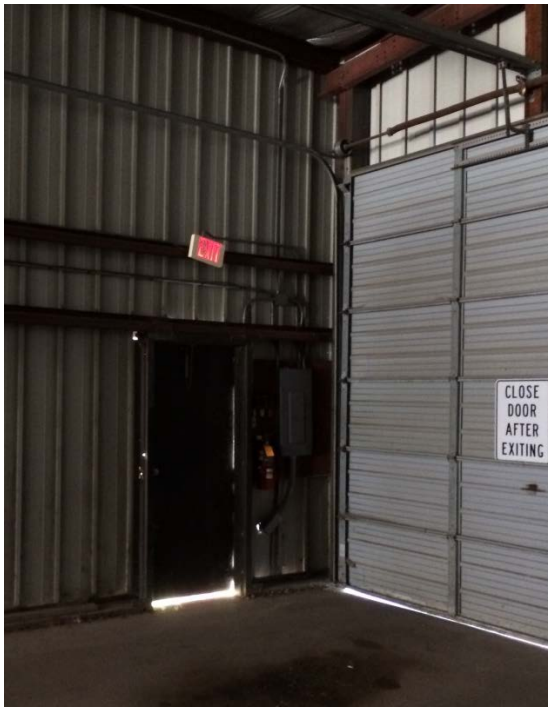
Exterior



Interior



Front Egress Door
(Step up, and Dented Panel)



Rear Egress Door



Damaged Insulation at Ridge

STRUCTURAL SYSTEM

Summary

The structure is a "Stran" pre-engineered metal building with standing seam roof deck, z-purlins, and structural steel rigid frames bearing on cast-in-place foundations.

LEGEND

D	Deficient – Immediate Replacement	**CP**	Critical Priority – Replace in 1-2 years	**HP**	High Priority – Replace in 3-5 years	**F**	Fair – Replace in 6-10 years	**C**	Compliant/ Adequate	**N**	New	**NA**	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				Unknown
Structure Type				
Foundations	**C**			Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings.
1st Floor	**C**		**S1.**	Concrete slab on grade
Roof	**C**			Standing seam steel roof deck over z-purlins supported by structural steel rigid frames.
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams, columns, walls, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

NOTES:

S1. There are various locations of minor shrinkage cracking of concrete floor slabs, but they do not pose a structural concern and no remedial action is recommended at this time.



Concrete Slab Shrinkage Cracking (Note S1)



Typical Steel Rigid Frame

PLUMBING SYSTEMS

Summary

This is a metal building with metal roofing.
No plumbing systems to report. Building roof pitches edge and discharges to grade.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	NA			
Sanitary Piping/Main	NA			
Storm/Clearwater Drainage	F		P1	
Code Issues	NA			

NOTES:

P1. Metal building with pitched roof. Roof discharges to grade. Area around the building is gravel and concrete which pitches to interior catch basins.



Building Roof Edge



Parking Lot Catch Basin

HVAC SYSTEMS

Summary

The pre-engineered storage building is unheated and unventilated. The building is used to store various equipment including motorized vehicles.

LEGEND

D	Deficient – Immediate Replacement	**CP**	Critical Priority – Replace in 1-2 years	**HP**	High Priority – Replace in 3-5 years	**F**	Fair – Replace in 6-10 years	**C**	Compliant/ Adequate	**N**	New	**NA**	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air intake/Make-up	**D**	$2,000	**H1**	
Exhaust Fan	**D**	$15,000	**H1**	
Control	**D**	$10,000	**H1**	

NOTES:

H1. An enclosed vehicle storage building larger than 850 Sq. Ft. or used for more than 5 vehicles is required to have mechanical exhaust ventilation.

A storage building exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. A garage exhaust fan project to install mechanical exhaust ventilation is necessary to improve garage ventilation and occupant safety.

Installing a small fan to continuously ventilate the space at the minimum flow rate and interlock a larger fan to operate with the lights is recommended. Alternately a two speed fan to operate on low speed continuously and on high speed when the lights are on (indicating building occupancy) may be installed. An intake louver located on the opposite side of the building (from the fans) will provide make-up air.

ELECTRICAL SYSTEMS

Summary

The building is served by a 120/240 Volt, single phase 200-amp electrical service. The main service disconnect is a main circuit breaker in a Square D load center panel. A branch breaker in this panel protects the electrical feeder serving an adjacent building located immediately to the east.

Receptacles are not GFCI protected.

Lighting fixtures utilize T8 fluorescent lamps and are in good condition. There is no emergency egress lighting other than exit signs. Exit signs have battery back-up. An exterior lighting fixture is a HID with integral photocell.

There is no fire alarm system.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Panel	C			
Power				
Receptacles	D	$250		Receptacles installed in the garage and outdoors need to be GFCI.
Lighting				
Interior	C			T-8 lamps; lighting in good condition.
Exterior	D	$300		Replace the HID dusk-to-dawn with a LED lighting fixture.



Existing HID Dusk-to-Dawn Lighting Fixture



Service Equipment

EVALUATION

OF

CITY-OWNED FACILITITES

PARKS REC STORAGE

August, 2015

PARKS DEPARTMENT

SUMMARY

Date of Visit: August 6, 2015
Address: 838 Phoebe Street

Building Description

The Recreation storage building is an uninsulated metal building with exposed steel structure internally. It has two overhead doors at the northeast (front) and southwest (rear) sides, with a personnel door adjacent to the northeast opening. An additional personnel door is on the northwest side of the building.

There is an area of the floor sectioned off by a partial height wood wall, faced on one side with painted plywood panels. Construction date of the building is unknown.

Code/Accessibility

Two legal means of egress are provided. The storage mezzanine has one means of egress, which is acceptable for this occupancy and occupant quantity.

The building is on grade, with doors 36" wide or greater, which complies with requirements. Knob door hardware could be upgraded to lever handles for better accessibility and ease of use. There is a step at the exterior of the northwest (side) personnel door, but this could be easily addressed with exterior grading if accessibility were required.

Structural System

The structure is an "Armco" pre-engineered metal building with standing seam roof deck, z-purlins, and structural steel rigid frames bearing on cast-in-place foundations.

Plumbing Systems

This is a metal building with metal roofing. Roof edge gutters above the overhead doors.
Building has a ¾" cold water connection –no meter.

HVAC Systems

This building is unheated. A sidewall exhaust fan is utilized to provide air movement when the occupants store and organize material in the building. The fan is operated in the summer and doors to the building are open when occupied.

Electrical Systems

The building is served by a 120/240 Volt, single phase 60-amp electrical service originating from the building immediately to the west.

Receptacles are not GFCI protected. There is no fire alarm system.

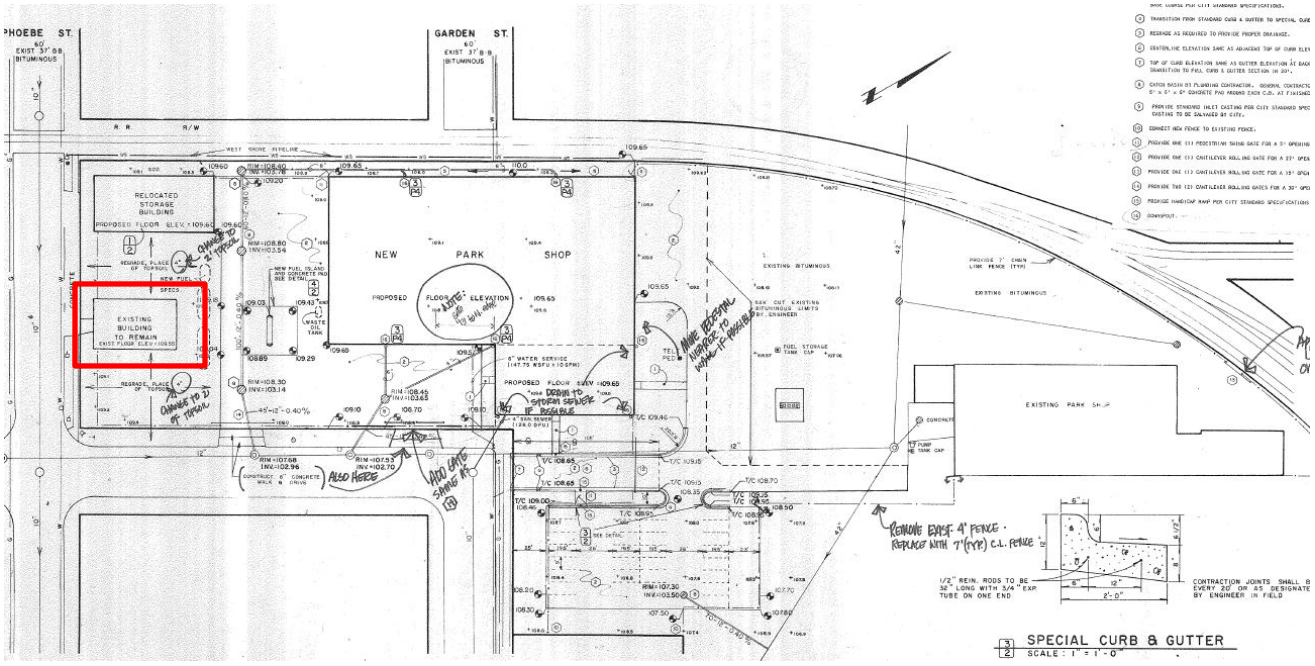
Lighting fixtures utilize T8 fluorescent lamps and are in good condition. There is no emergency egress lighting other than exit signs. Exit signs have battery back-up. There are no exterior lighting fixtures on this building.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural				**NA**
Code/ADA				**NA**
Structural				**NA**
Fire Protection				**NA**
Plumbing	Backflow Prevention			**$100**
HVAC Systems				**NA**
Electrical	Receptacles			**$250**
Building Total				**$350**



Site Plan

(Note: building is rotated 90° from orientation shown on original site plan.)



Aerial View of Site

ARCHITECTURAL

Building Description

The Recreation storage building is an uninsulated metal building with exposed steel structure internally. It has two overhead doors at the northeast (front) and southwest (rear) sides, with a personnel door adjacent to the northeast opening. An additional personnel door is on the northwest side of the building.

There is an area of the floor sectioned off by a partial height wood wall, faced on one side with painted plywood panels.

Building Envelope

Exterior Walls

Building walls are uninsulated corrugated metal wall panel on steel frame.

Doors

A large overhead door is centered on the northeast (front) and southwest (rear) sides façade, with a swing door adjacent on the northeast, and another on the northwest sides. Both overheads and the side (northeast) swing doors are painted metal in fair to good condition. The northeast (front) swing door is FRP in good condition.

Roof

Minimally pitched, corrugated metal roof panel on steel frame appeared to be in good condition.

Interior Finishes

The floor is sealed concrete. There are no interior walls. The mezzanine has a painted 4x8 board floor.

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Unknown	**Gross Area**	2,500 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group S-2 – Storage		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Two legal means of egress are provided. The storage mezzanine has one means of egress, which is acceptable for this occupancy and occupant quantity.

Handrails on the mezzanine stairs are at 34", which is compliant with current codes. Openings in rails are larger than currently allowed, but are presumed to have complied with code at the time of installation. In this occupancy, there is not a perceived safety hazard to these openings.

Summary of Accessibility/ADA Compliance

The building is on grade, with doors 36" wide or greater, which complies with requirements. Knob door hardware could be upgraded to lever handles for better accessibility and ease of use. There is a step at the exterior of the northwest (side) personnel door, but this could be easily addressed with exterior grading if accessibility were required.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	C			
Exterior Facade Condition	C			
Exterior Door Condition	F		A1	
Handrails	F			Grandfathered in as compliant

NOTES:

A1. Recommend lever hardware in the future for easier use.



Exterior



Exterior



Interior



Interior



Front Egress Door



Side Egress Door



Mezzanine



Mezzanine

STRUCTURAL SYSTEM

Summary

The structure is an "Armco" pre-engineered metal building with standing seam roof deck, z-purlins, and structural steel rigid frames bearing on cast-in-place foundations.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				Unknown
Structure Type				
Foundations	**C**			Cast-in-place concrete foundation walls bearing on individual spread or continuous strip footings.
1st Floor	**C**			Concrete slab on grade
Mezzanine	**C**			Plywood floor over steel deck, cold-formed channel purlins and structural steel tube frame.
Roof	**C**			Standing seam steel roof deck over z-purlins supported by structural steel rigid frames.
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams, columns, walls, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.

PLUMBING SYSTEMS

Summary

This is a metal building with metal roofing. Roof edge gutters above the overhead doors.
Building has a ¾" cold water connection –no meter.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	F		P1	¾" connection – no water meter
Sanitary Piping/Main	N/A			
Storm/Clearwater Drainage	F		P2	Partial Gutter(s)
Code Issues	D	$100	P3	Backflow Prevention

NOTES:

P1. Building has a ¾" water connection, copper piping. No insulation on the piping. Building is not heated, so piping has the potential to freeze. No water meter, fed from the Shop garage.

P2. Metal building with pitched roof. Gutters discharges to grade. Area around the building is gravel and concrete which pitches to interior catch basins.

P3. There are (3) hose connections – install threaded hose connection vacuum breakers.



Building Roof with Gutter



Building Hose Connection



Water Connection



Building Edge with Gutter

HVAC SYSTEMS

Summary

This building is unheated. A sidewall exhaust fan is utilized to provide air movement when the occupants store and organize material in the building. The fan is operated in the summer and doors to the building are open when occupied.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Exhaust Fan	C		H1	
Control	C		H1	

NOTES:

H1. There are no ventilation requirements for this building. The fan is utilized to aid in air movement as this building is not conditioned and the building gets warm in the summer months.



Sidewall Exhaust Fan

ELECTRICAL SYSTEMS

Summary

The building is served by a 120/240 Volt, single phase 60-amp electrical service originating from the building immediately to the west.

Receptacles are not GFCI protected.

Lighting fixtures utilize T8 fluorescent lamps and are in good condition. There is no emergency egress lighting other than exit signs. Exit signs have battery back-up. There are no exterior lighting fixtures on this building.

There is no fire alarm system.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Panel	C			
Power				
Receptacles	D	$250		Receptacles installed in the garage and outdoors need to be GFCI.
Lighting				
Interior	C			T-8 lamps; lighting in good condition.



T8 Fluorescent Lighting



Non-GFCI Receptacle

EVALUATION

OF

CITY-OWNED FACILITITES

BACK STORAGE

August, 2015

PARKS DEPARTMENT

SUMMARY

Date of Visit: August 6, 2015
Address: 919 Crocker Street

Building Description

The back storage building is an uninsulated metal building with exposed wood structure internally. It has a dirt and gravel floor. It has large overhead doors at the front (west) and back (east) sides, allowing for drive-through of vehicles. Translucent wall panels at the top of the wall and a translucent cover over the ridgeline provide daylighting within the building. There is no general lighting other than exit signs and one light near the front exit.

There are two personnel doors, one on the east and one on the west sides of the building. A concrete stoop is provided outside of the front (west) personnel door. Construction date of this building is unknown.

Code/Accessibility

Two legal means of egress are provided. Knob door hardware could be upgraded to lever handles for better accessibility and ease of use. The back door was partially obstructed by stored material. Recommend keeping pathways clear to the exits.

Structural System

The structure consists of standing seam roof deck, standard 2 wood framing purlins and trusses supported on wood columns embedded in shallow drilled concrete footings.

Plumbing Systems

This is a metal building with wood structure.
No plumbing systems to report. Building roof pitches to edge and discharges to grade.

HVAC Systems

The storage building is unheated and unventilated. The building is used to store various equipment including motorized vehicles.

Electrical Systems

The building's electric service is rated 100-amps at 120/208-volts, 1-Phase. A Square D load center panel houses the main circuit breaker.

The only interior lighting fixture is an incandescent lamp holder mounted above the west entrance door. There is one Exit Sign – also located above the west entrance door. It has battery back-up. Pole-mounted lighting in the yard south of the building is HID.

There are only two receptacles and they are both GFCI type. There is no fire alarm system.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural				**NA**
Code/ADA				**NA**
Structural				**NA**
Fire Protection				**NA**
Plumbing				**NA**
HVAC Systems	Air intake/Make-up			**$2,000**
	Exhaust Fan			**$15,000**
	Control			**$10,000**
HVAC Subtotal				**$27,000**
Electrical			Exterior	**$1,000**
Building Total				**$28,000**



Aerial View of Site

ARCHITECTURAL

Building Description

The back storage building is an uninsulated metal building with exposed wood structure internally. It has a dirt and gravel floor. Large overhead doors at the front (west) and back (east) sides allow for drive-through of vehicles. Translucent wall panels at the top of the wall and a translucent cover over the ridgeline provide daylighting within the building. There is no general lighting other than exit signs and one light near the front exit.

There are two personnel doors, one on the east and one on the west sides of the building. A concrete stoop is provided outside of the front (west) personnel door. Construction date of this building is unknown.

Building Envelope

Exterior Walls

Uninsulated, corrugated metal panels and translucent panels on wood posts and girts. Most areas are sheethed in plywood to a height of approximately 8'. Plywood and posts are painted in these areas. Exterior metal panels are in good condition.

Parks staff constructed the building. Staff reports that the posts are set in metal drums filled with concrete for stability in the filled soil of the site.

Translucent panels span between the top two wood girts of the walls on the north and south sides; approximately 30" of panel exposed.

Roof

Moderately sloped metal roof panels. Translucent ridge vent over 80% of ridge provides a small amount of additional daylighting. There are no gutters or downspouts.

Interior Finishes

The floor is dirt and gravel. There are no interior walls. Wood posts are painted gray up to a height of approximately 8'-0".

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Unknown	**Gross Area**	5,500 SF
Occupancy Classification *(Chapter 3 of IBC)*	Group S-2 – Storage		
Construction Type *(Chapter 6 IBC)*	Construction Type V-B		

Summary of Code Compliance/Life Safety

Two legal means of egress are provided. Knob door hardware could be upgraded to lever handles for better accessibility and ease of use. The back door was partially obstructed by stored material. Recommend keeping pathways clear to the exits. See electrical report for recommendation of additional egress lighting.

Summary of Accessibility/ADA Compliance

The building is on grade, with doors 36" wide or greater, which complies with requirements. There is no threshold at doorways, since there is no floor. The building is typically unoccupied.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	C			
Exterior Facade Condition	C			
Exterior Door Condition	C		A1	
Window Condition	NA			

NOTES:

A1. Recommend general cleaning and oiling of hardware elements for better functionality. Plan for lever hardware in the future for easier use.



West and South Elevations



East and South Elevations



Interior Structure



Interior Storage Racking



Front Egress Door



Rear Egress Door



Rear Personnel Door

STRUCTURAL SYSTEM

Summary

The structure consists of standing seam roof deck, standard 2" normal wood framing supported on wood columns embedded in shallow drilled concrete footings.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

STRUCTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Year				Unknown
Structure Type				
Foundations	**C**			Buried 55-gallon steel drums filled with concrete.
1st Floor	**C**			Gravel
Roof	**C**			Standing seam steel roof deck over 2x wood purlins and 2x plated wood trusses at 8'-0" on center supported by 3-ply built-up wood columns.
Occupancy Category	**NA**			Occupancy Category II
Construction Type	**NA**			Construction Type **II-B** (0 hour beams, columns, walls, 0 hour roof)
Vertical Expandability	**NA**			None.
Typical Column Spacing	**NA**			
Overall Structural Condition	**C**			The existing building is structurally sound with no significant deficiencies noted.



Typical Wood Truss Framing

PLUMBING SYSTEMS

Summary

This is a metal building with wood structure.
No plumbing systems to report. Building roof pitches to edge and discharges to grade.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping/Service	NA			
Sanitary Piping/Main	NA			
Storm/Clearwater Drainage	F		P1	
Code Issues	NA			

NOTES:

P1. Metal building with pitched roof. Roof discharges to grade. Area around the building is gravel which pitches to nearby catch basin(s).



Building Roof Edge

HVAC SYSTEMS

Summary

The storage building is unheated and unventilated. The building is used to store various equipment including motorized vehicles.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Air intake/Make-up	D	$2,000	H1	
Exhaust Fan	D	$15,000	H1	
Control	D	$10,000	H1	

NOTES:

H1. An enclosed vehicle storage building larger than 850 Sq. Ft. or used for more than 5 vehicles is required to have mechanical exhaust ventilation.

A storage building exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets four specific code provisions including the installation of a gas detection system. A garage exhaust fan project to install mechanical exhaust ventilation is necessary to improve garage ventilation and occupant safety.

Installing a small fan to continuously ventilate the space at the minimum flow rate and interlock a larger fan to operate with the lights is recommended. Alternately a two speed fan to operate on low speed continuously and on high speed when the lights are on (indicating building occupancy) may be installed. An intake louver located on the opposite side of the building (from the fans) will provide make-up air.

ELECTRICAL SYSTEMS

Summary

The building's electric service is rated 100-amps at 120/208-volts, 1-Phase. A Square D load center panel houses the Main Circuit Breaker.

The only interior lighting fixture is an incandescent lamp holder mounted above the west entrance door. There is one Exit Sign – also located above the west entrance door. It has battery back-up. Pole-mounted lighting in the yard south of the building is HID.

There are only two receptacles and they are both GFCI type.

There is no fire alarm system.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Panel	C			
Lighting				
Interior	C			Incandescent lamp holder with compact fluorescent lamp .
Exterior	HP	$1,000	E1	Replace HID with LED.

NOTES:

E1. LED lighting fixtures will result in lower operating and maintenance costs.



Service Panel



Exit Sign and Lamp Holder



Pole-mounted HID Lighting

EVALUATION

OF

CITY-OWNED FACILITITES

OLD PARKS SHOP

August, 2015

PARKS DEPARTMENT

SUMMARY

Date of Visit: August 6, 2015
Address: 1000 Crocker Street

Building Description

The old shop consists of a wide, barrel-vaulted concrete and masonry structure with concrete buttresses. To the front/southwest is the flat-roofed, rectangular former office, and to the rear/northeast is a flat-roofed, rectangular concrete masonry unit and brick addition which is not accessible from the main interior space. Insulation has been added to the underside of the barrel vault structure. The office is accessed from the main space via a concrete ramp with broken front edge.

Areas of the north end wall have been repaired and tuck-pointed. The west wall has areas filled with concrete or parged over. Remaining brick could use minor tuck-pointing. Wood fascia on barrel vault is in need of paint.

Windows on the shop area have metal frames, some of which are significantly rusting, staining the sills and concrete below. Window replacement is recommended in the shop/storage areas to maintain weather-tightness and provide daylighting. Construction date of this building is unknown.

Code/Accessibility

Two legal means of egress are provided from all areas of the old shop. The old office has one direct egress door and one door into the shop area that looks to have been a rated opening.

The office area and north additions appear to be small enough to qualify for legally providing a single egress point. Access to the personnel door at the north addition is obstructed from the interior. Recommend maintaining a clear path. If egress doors are replaced in the future, upgrading to lever handles is recommended for code compliance and ease of use.

This building is typically unoccupied during the day, thus accessibility to plumbing facilities is not an issue.

Entry to the building is at grade in the main shop and north additions. A small concrete ramp provides access to the former office main door, although it does not provide an ADA compliant level landing at the top. The ramp at the door from the office leading into the shop is significantly damaged and steep, with no handrails. As the office is currently locked and unoccupied, access to the rest of the facility and the one restroom does not appear to be an issue.

Any replacements of hardware or doors should include an upgrade from knob to lever handles. The only toilet room in the facility is not ADA compliant.

Structural System

The main structure is a Quonset-hut building with wood sheathing, wood purlins, and laminated wood arches clear-spanning between cast-in-place concrete buttresses and footings. Main structure also includes a wood-framed mezzanine. Additions on the south end and immediately to the north are wood framed roofs on load-bearing masonry walls, and far north addition is steel deck and joists on load-bearing masonry walls.

Plumbing Systems

The old shop garage is now mainly used for storage. The original piping is in poor condition. There is minimal water piping to the single toilet room. Water piping is copper, not insulated.

Main building is masonry with a portion of curved roof and a later addition has a pitched roof to an east gutter.

Plumbing fixtures are older and are not being used.

HVAC Systems

The old shop building is used for vehicle storage. Attached to the building is an old office area which is now used for storage, an area used for an office and another small area used for vehicle storage. Within the garage building there is an area used for an office and miscellaneous storage.

A toilet room is located in the back of the shop building. This room is not ventilated.

The storage garage is served by multiple radiant heaters, multiple circulation fans, and an exhaust fan. The exhaust ventilation system is abandoned and the make-up louvers are blanked off.

A gas fired unit heater provides heat to a storage room in the back of the storage garage.

Three residential style furnaces are used to heat the storage rooms, offices, and small vehicle storage area. Two units are older and their replacement is planned. The unit heating the small vehicle storage area has already been replaced with a high efficiency condensing furnace unit.

Controls are electric, line and low voltage.

Electrical Systems

The building's electric service is rated 400-amps at 120/208-volts, 3-Phase. There are 5 service disconnects grouped in a Square D I-Line panel. The maximum quantity of service disconnects allowed on a building is 6. None of the service disconnects are labeled "Service Disconnect." The service originates from pole-mounted transformers located on the property line west of the building.

Interior lighting utilizes T8 fluorescent lamps and ballasts. Exit signs incorporate battery back-up. There are no other battery supplied emergency egress lighting fixtures. Lighting on the building's exterior is HID with integral photocell.

Receptacles are not GFCI type. A stretch of conduit along the west wall is not properly supported.

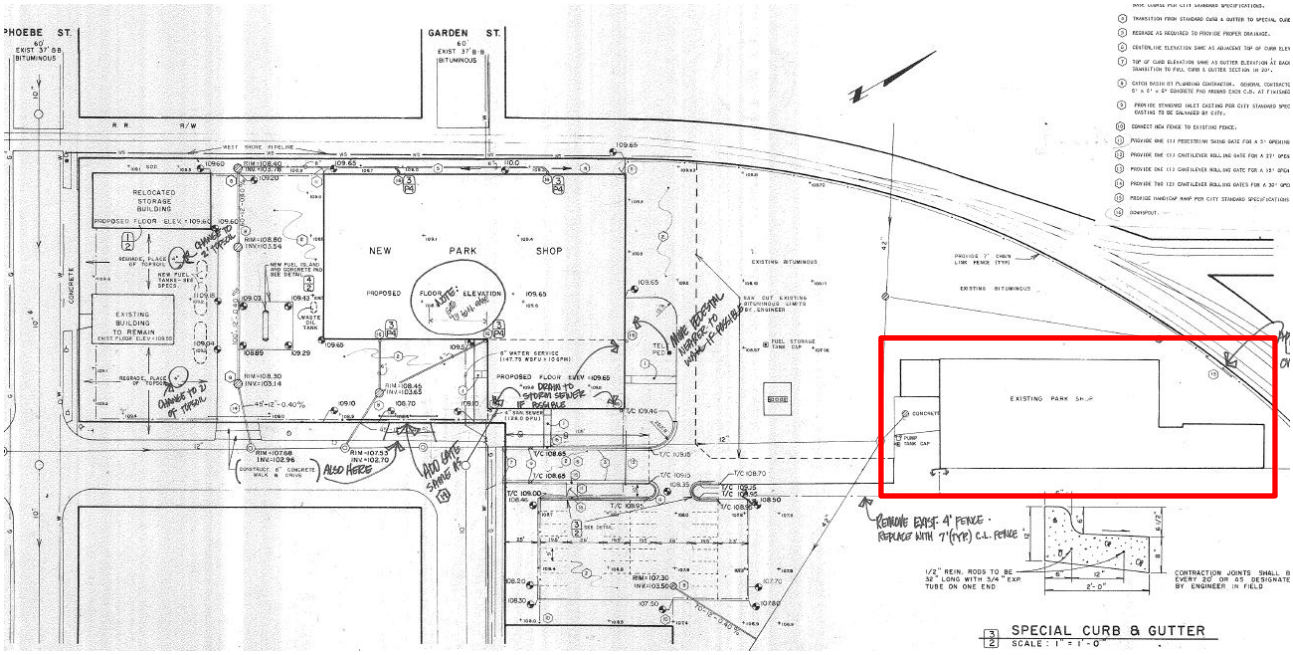
There is no fire alarm system.

Estimates

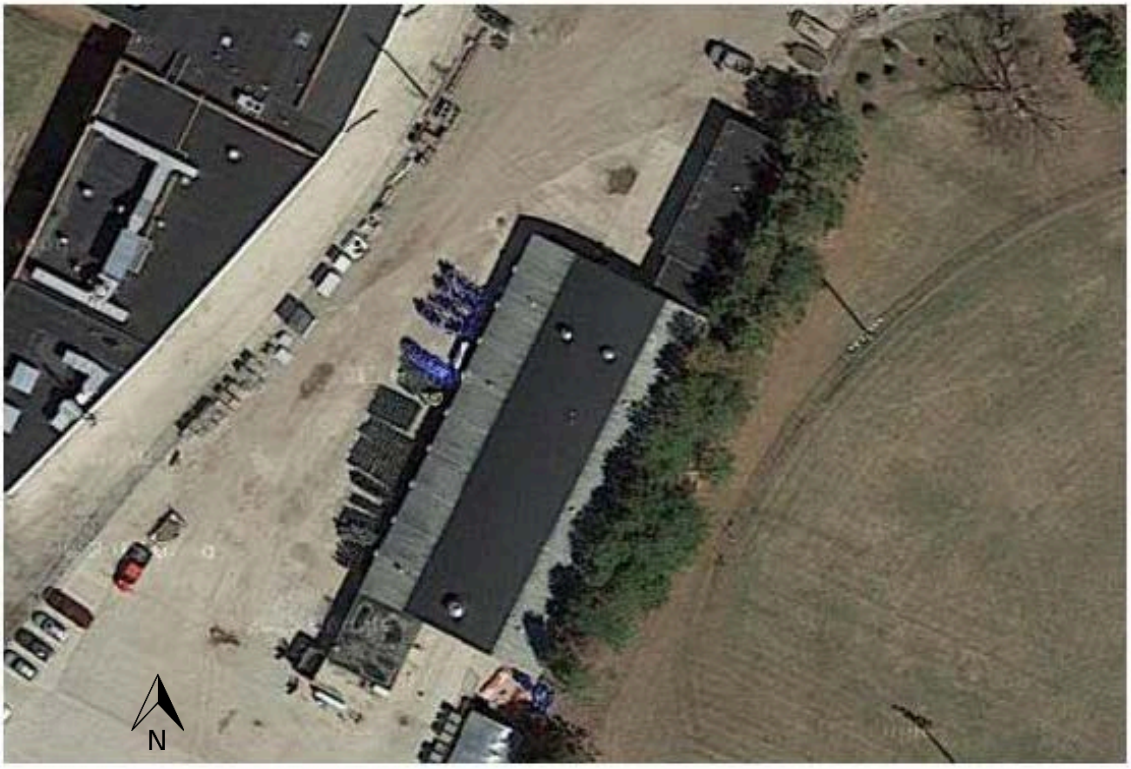
Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural			Window Condition	**$32,000**
Code/ADA			Accessible Toilet	**$8,000-$12,000**
Structural				**NA**
Fire Protection				**NA**
Plumbing			Insulation	**$1,500**
	Thermal Mixing Valve (TMV)			**$500**
Plumbing Subtotal				**$2,000**
HVAC Systems			Old Office Area	**$5,000**
			Back Storage Area	**$5,000**
			Ductwork	**$7,000**
	Toilet/Locker Room Exhaust			**$2,000**
	Make-up Air Unit			**$110,000**
	Exhaust			**$30,000**
HVAC Subtotal				**$159,000**
Electrical	Main Service Panel			**$350**
	Receptacles			**$1,000**
			Exterior	**$1,000**
		Unsupported conduit		**$300**
Electrical Subtotal				**$2,650**
Building Total				**$203,650-$207,650**



Site Plan



Aerial View of Site

ARCHITECTURAL

Building Description

The old shop consists of a wide, barrel-vaulted concrete and masonry structure with concrete buttresses. To the front/southwest is the flat-roofed, rectangular former office, and to the rear/northeast is a flat-roofed, rectangular concrete masonry unit and brick addition which is not accessible from the main interior space. Insulation has been added to the underside of the barrel vault structure. The office is accessed from the main space via a concrete ramp with broken front edge.

A portion of the main space is divided into separate storage, toilet and maintenance rooms with brick wall construction. A mezzanine above these rooms is supported by wood posts, 2x floor construction, and painted plywood flooring. Construction of this building is unknown.

Building Envelope

Exterior Walls

The main barrel vaulted space of the original building is constructed of a poured concrete base wall (height varies between south wall and north wall), and modular face brick. Concrete buttresses support the barrel along the exterior of the east and west sides. Some windows in main space have been filled in with concrete block. Areas of the north end wall have been repaired and tuck-pointed. The west wall has areas filled with concrete or parged over.

The front office wing is constructed of modular face brick with limestone sills. The rear storage additions are painted concrete block. Remaining brick could use minor tuck-pointing.

Wood fascia on barrel vault is in need of paint.

Windows

Original windows are in place. Windows on the shop area have steel frames, some of which are significantly rusting, staining the sills and concrete below. Window replacement is recommended in the shop/storage areas to maintain weather-tightness and provide daylighting.

Roof

The barrel vaulted main portion of the building is covered with an adhered EPDM membrane. Multiple vents and penetrations in the roof were observed. The interior side of roof is draped with poly and insulated. The exterior fascia trim on the barrel vault is painted wood, which is in need of re-painting and/or replacement.

The office and shop sections of the building have low-slope roofs. The shop drains to a gutter and downspout on the east side. Its fascia panel is comprised of corrugated metal and a straight metal parapet cap. There is no access to the flat roof tops, thus they were not evaluated on this tour.

Interior Finishes

Floors

Concrete floor is in most spaces. The office area was locked and thus not evaluated.
Mezzanine has painted plywood floor. Steps to the mezzanine are painted wood construction with 2x4 hand rail on one side.

Walls

Some walls of storage rooms are unpainted brick. The brick walls facing the main space are typically painted.

One toilet room has a tile wainscot approximately 3'-4" high. A wood trim and painted gypsum board are above the wainscot.

Doors

Exterior doors are insulated hollow metal. Door between main shop and office is metal with a small central/upper light of wired glass, indicating that this was probably intended as a fire door at the time of its installation.

Original doors at interior spaces are wood 5-panel construction with the top three panels glazed in some cases. A door to an apparent furnace room is unpainted metal with strap hinges. This door had a sliding lock and padlock, as well as a metal pull. This too was probably intended as a fire door, although penetrations through a side wall of this space indicate it is no longer a fire-rated room.

Ceilings
Exposed structure, or insulation encapsulated with white plastic membrane.

Casework
The only casework in the reviewed areas was utilitarian wood shelving and counters. Old office was locked and not available for review.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Roof Condition	F			
Exterior Facade Condition	F		A1	
Exterior Door Condition	F			
Window Condition	HP	$32,000	A2	Estimate $4,000 per opening for 8 openings in the shop/storage areas

NOTES:

A1. Northwest corner of barrel vaulted space appears to have required the most maintenance. Minor tuck-pointing and attention to masonry base recommended. Wood fascia boards are in need of paint.

A2. Original building window on the north end of barrel vault is in the worst condition and should be replaced. Water infiltration indicated by the staining of the concrete below could cause further deterioration of the concrete wall below. Other windows are recommended to be replaced for weather tightness and to provide daylighting to the spaces.



Office and Main Shop Exterior



Exterior from the Southwest



Exterior Buttress



Main Shop and Additions from the North



Office Abutting Main Shop



Northeast Elevation of Main Shop



Main Shop Interior



Main Shop Interior



Door to Old Office



Storage & Mezzanine at North end of Shop



Structure under Mezzanine



Typical Interior Door



Mezzanine



Steel Door and Penetration of Former Rated Room



North Addition to Shop



North Addition to Shop



Northeast Elevation of Addition to Shop

CODE COMPLIANCE AND ACCESSIBILITY

Building Data

Code references based on 2009 IBC

Year(s) Constructed	Unknown	**Gross Area**	13,000 SF
Occupancy Classification *(Chapter 3 of IBC)*	Current usage is S-2 Low Hazard Storage		
Construction Type *(Chapter 6 IBC)*	Construction Type II-B		

Summary of Code Compliance/Life Safety

Items have been noted that do not meet current code, however the building is presumed to have complied with the code at the time it was built or remodeled. If any items are modified or updated, they will need to be brought into compliance with the current code, based on the extent of project being done. Since upgrades would be dependent on circumstances of the project, a code analysis would need to be done on a per-project basis.

It should also be noted that any remodeling to the facility that met the criteria for Level 1 Alteration (the reconfiguration of space) in the International Existing Building Code (IEBC) would bring with it the requirement for accessibility. Extensive renovation that met the criteria of Level 3 Alteration may require all functional levels of the facility be accessible, that is, via an elevator or lift. **Careful review of code should be done prior to any renovation project to identify other mandated upgrades**.

Egress and Safety

Two legal means of egress are provided from all areas of the old shop. The old office has one direct egress door and one door into the shop area that looks to have been a rated opening. This is currently locked.

The office area and north additions appear to be small enough to qualify for legally providing a single egress point. Access to the personnel door at the north addition is obstructed from the interior. Recommend maintaining a clear path. If egress doors are replaced in the future, upgrading to lever handles is recommended for code compliance and ease of use.

Stairs, Handrails and Guardrails

There are no stair shafts in the building. The one stair to the mezzanine is wood construction with wood 2x4 handrails at one side. Guardrails and handrails have large openings at open sides. Both aspects are presumed to have been compliant at the time of original construction. With the limited use the space gets from maintenance personnel, this is not considered a safety hazard.

Miscellaneous Items

The mezzanine complies with current codes in terms of size (no more than 1/3 of the space of which it is a part). As a storage mezzanine, one route of egress is sufficient for its area.

Summary of Accessibility/ADA Compliance

This building, similar to the other Parks storage buildings on the site, is typically unoccupied during the day. Staff utilizes the facilities in the main Parks Shop and Office, thus access to plumbing facilities is not an issue. Access to various areas of the building has been reviewed, as well as safe egress from the building.

Accessible Route

Entry to the building is at grade in the main shop and north additions. A small concrete ramp provides access to the former office main door, although it does not provide an ADA compliant level landing at the top. The ramp at the door from the office leading into the shop is significantly damaged and steep, with no handrails. As the office is currently locked and unoccupied, access to the rest of the facility and the one restroom does not appear to be an issue.

Doors
The building has a combination of push/pull hardware and knob handles. Knobs are not accessible, and not as easy/fast to use as lever handles. Any replacements of hardware or doors should include an upgrade from knob to lever handles.

Plumbing Fixtures
The main shop has a single-user bathroom that appears to have been remodeled at some time in its history. The room does not have adequate floor space to be accessible. This was the only restroom evident in the facility.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ARCHITECTURAL ELEMENTS	GRADE	BUDGET COST	NOTES	COMMENTS
Egress and Safety	F		CA1	
Stair Shafts	NA			
Handrails/Guardrails	F			
Miscellaneous Items	F			
Accessible Route	F		CA1	
Doors	C F		CA2	
Plumbing Fixtures				
Accessible Toilet	HP	$8,000-$12,000	CA3	Creating 1 accessible toilet is recommended.

NOTES:

CA1. If office is utilized for staff, access would need to be improved, as well as accessible toilet facilities.

CA2. Lever handles would comply with accessibility codes and facilitate ease of use. Lever handles are code requirement for any new or renovated work.

CA3. If staff are located in the building (not the current situation), then accessible toilet facilities would be required.



Ramp to Former Office from Shop



Ramp to Former Office Entry



Guardrails at Mezzanine



Stair to Mezzanine and Handrails



Toilet Room at Shop (Non-accessible)



Access to Personnel Door is Obstructed

PLUMBING SYSTEMS

Summary

The old shop garage is now mainly used for storage. The original piping is in poor condition. There is minimal water piping to the single toilet room. Water piping is copper, not insulated.

Main building is masonry with a portion of curved roof and a later addition has a pitched roof to an east gutter.

Plumbing fixtures are older and are not being used.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

PLUMBING SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Water Piping Condition	F		P1	Copper piping
Sanitary Piping Condition	F		P2	PVC & cast iron
Storm/Clearwater Piping	NA		P3	Pitched Roof
Valves	F		P4	Gate valves
Domestic Water Service	C		P5	1 ¼" main
Insulation	HP	$1500	P6	No insulation
Code Issues	NA		P7	No apparent code issues
Equipment				
Domestic Water Heater	F		P8	Electric, AO Smith
Recirculation Pump(s)	NA			No pump required
Thermal Mixing Valve (TMV)	D	$500	P9	Add TMV (code issue)
Plumbing Fixtures	F		P10	
"Shop" Air Compressor	NA			
Storage/Truck Garage	F		P11	Trench drain, garage catch basin
Exterior				
Storm Drainage, Roof Drainage	F		P12	
Eyewash(es)	NA			
Utilities	F		P13	1 ¼" main

NOTES:

P1. Water piping is mainly copper, soldered joints. Fair condition. Piping is not insulated. Toilet room piping is exposed, installed on the wall.

P2. Original sanitary is cast iron, hub & spigot. Piping from the later modifications is PVC.

P3. Main portion of the building has a curved roof which discharges to grade. Additional building in the back has a pitched roof to an eastern gutter system.

P4. Older valves are gate, newer valves are ball.

P5. Building is served by a 1 1/4" water main, with a 1" valve by-pass.

P6. Water piping is not insulated. Insulation could be added for energy savings but it's probably not worth the cost since the building plumbing fixtures are not being utilized.

P7. No apparent code issues.

P8. Water heater is a 15 gallon electric, AO Smith Energy saver.

P9. If the building is going to be used, an in-line TMV could be added to the lavatory and sink.

P10. Plumbing fixtures: No compliant ADA handicap fixtures in the building. Fixtures are rarely used. Water closet is tank-type, urinal is floor mounted, lavatory is wall-hung. All fixtures are vitreous china.

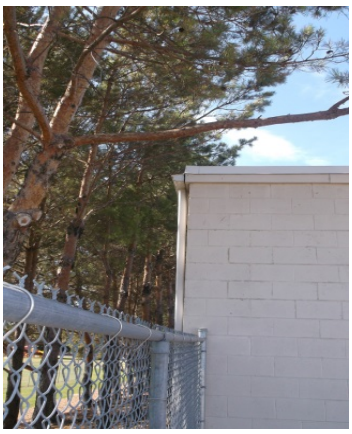
P11. Garage area has a trench drain, discharges to a garage catch basin.

P12. Roof areas discharge to grade, gravel parking lot with yard catch basins.

P13. 1 ¼" water main. 42" storm sewer routes through the property, discharges to the west. Utilities are supplied from Crocker Street.



Roof Edge



Roof Edge with Gutter



Water Meter



Vent Piping



Water Closet & Lavatory



Lavatory



Sink & Drinking Fountain



Water Heater – Electric



Garage Catch Basin



Non-freeze Sill Faucet



Catch Basin – Parking Lot

HVAC SYSTEMS

Summary

The old shop building is used for vehicle storage. Attached to the building is an old office area which is now used for storage, an area used for an office and another small area used for vehicle storage. Within the garage building there is an area used for an office and miscellaneous storage.

A toilet room is located in the back of the shop building. This room is not ventilated.

The storage garage is served by multiple radiant heaters, multiple circulation fans, and an exhaust fan. The exhaust ventilation system is abandoned and the make-up louvers are blanked off.

A gas fired unit heater provides heat to a storage room in the back of the storage garage.

Three residential style furnaces are used to heat the storage rooms, offices, and small vehicle storage area. Two units are older and their replacement is planned. The unit heating the small vehicle storage area has already been replaced with a high efficiency condensing furnace unit.

Controls are electric, line and low voltage.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

HVAC SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Office/Storage Area				
Old Office Area	**HP**	$5,000	**H1**	Janitrol 110,000 BTU
Back Storage Area	**HP**	$5,000	**H1**	Amana – Approximately 100,000 BTU
Small Vehicle Storage	**C**		**H1**	120,000 BTU – Manufacturer is unknown.
Controls	**C**			Low voltage thermostats
Ductwork	**HP**	$7,000	**H1**	Minimal ductwork, some abandoned, poor grille placements. New units require fresh air connection. Old office area supply duct is underground.
Exhaust Fans				
Toilet/Locker Room Exhaust	**D**	$2,000	**H2**	No Ventilation for toilet room.
Garage Ventilation				
Make-up Air Unit	**D**	$110,000	**H3**	No Unit.
Exhaust	**D**	$30,000	**H3**	Abandoned Fans-No control
Radiant Heaters	**C**			Appear to be in good condition. Staff indicated these units are operable.

NOTES:

H1. Residential style furnaces are located in storage rooms. Two units serve office areas and there is no fresh air connection to the return intake. The units appear to be oversized for the area's they serve. Staff indicated that they have plans to replace the two older units.

A project is to replace the two older furnaces with furnaces right sized for the area they serve. Fresh air connections are recommended for the units serving occupied spaces. Revising the supply return ductwork is also recommended to more evenly distribute the air throughout the spaces.

H2. There is no exhaust ventilation or window for natural ventilation. An exhaust fan is recommended to be installed to ventilate the room.

H3. The vehicle storage area is heated with a gas fired unit heater and radiant heaters. The exhaust system is abandoned and the make-up air louvers are blanked off. An enclosed storage garage has specific exhaust code requirements. To retain this as a heated garage an exhaust system and heated make-up air unit is required. A garage ventilation upgrade project is recommended to install a make-up air unit, exhaust fan, and control system to improve garage ventilation and occupant safety.

A garage exhaust system may operate continuously, operating at a minimum level when the garage is unoccupied and operating at a maximum level when the garage is occupied or a vehicle is started. Alternately a garage exhaust system may operate intermittently if it meets 4 specific code provisions including the installation of a gas detection system. It is recommended to operate a small exhaust fan continuously and interlock a larger fan to operate with the building lights (which indicates building occupancy).



Abandoned Exhaust Vent



Exhaust Ductwork



Gas Fired Unit Heater



Old Office Area Furnace



Small Vehicle Storage Furnace



Office Furnace



Gas Meter



Condensate Pump



Exhaust Duct Drop



Make-up Air (Abandoned)



Old Furnace Combustion Vent



Abandoned Vent



Typical Grille (Office)



Supply Grille (Back Office)



Underground Duct Supply Grille

ELECTRICAL SYSTEMS

Summary

The building's electric service is rated 400-amps at 120/208-volts, 3-Phase. There are 5 service disconnects grouped in a Square D I-Line panel. The maximum quantity of service disconnects allowed on a building is 6. None of the service disconnects is labeled "Service Disconnect". The service originates from pole-mounted transformers located on the property line west of the building.

Interior lighting utilizes T8 fluorescent lamps and ballasts. Exit signs incorporate battery back-up. There are no other battery supplied emergency egress lighting fixtures. Lighting on the building's exterior is HID with integral photocell.

Receptacles are not GFCI type. A stretch of conduit along the west wall is not properly supported.

There is no fire alarm system.

LEGEND

D	Deficient – Immediate Replacement	CP	Critical Priority – Replace in 1-2 years	HP	High Priority – Replace in 3-5 years	F	Fair – Replace in 6-10 years	C	Compliant/ Adequate	N	New	NA	Not Applicable

ELECTRICAL SYSTEMS	GRADE	BUDGET COST	NOTES	COMMENTS
Normal Power Distribution Equipment				
Main Service Panel	D	$350		Label each of the 5 service disconnects.
Lighting				
Interior	C			T8 fluorescent industrial.
Exterior	HP	$1,000	E1	Replace HID with LED.
Lighting Controls				
Garage	F	$2,000		Install occupancy sensors to turn fixtures OFF when the garage is not occupied.
Emergency Egress Lighting and Exit Signs				
Exit Signs	C			
Power				
Receptacles	D	$1,000		Install GFCI receptacles.
Raceway				
Unsupported conduit	CP	$300		Support conduit along west wall.

NOTES:

E1. LED lighting fixtures will result in lower operating and maintenance costs.



Service Disconnect – 5 Circuit Breakers



Pole-mounted Service Transformers



Unsupported Conduit



HID with Integral Photocell

Report to the
Ad Hoc Facilities Committee of the City of Green Bay

MEETING DATE

March 15, 2022

AGENDA ITEM # O.18

Ad Hoc Facilities Committee: To receive and place on file an overview of the current status of City Hall by Parks Director.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. City Hall Project List 2015 Summary - BSA
2. City Hall Project List - Phasing Plan 2-17-22

SUMMARY

Date of Visit: August 20, 2015
Address: 100 North Jefferson Street

Building Description

City Hall is a simple rectangular building constructed in 1955. It is clad in polished granite panels on the first floor, with cream colored brick slightly stepped out past the panels covering the remaining 6 story façade and mechanical penthouse. Floor-to-floor heights range from 12'-0" on 3rd through 5th floors, to over 14'-2" on 2nd floor, where City Council Chambers are located.

Two main entrances facing west toward Jefferson Street have a flat-roofed canopy supported on granite-clad columns. A third entrance opening toward the parking lot and alley to the east has a smaller canopy supported by painted metal columns.

Areas of the exterior shell are in need of minor masonry and mortar repair. Most of these areas are concentrated on the upper penthouse brick exterior wall. Cracked granite panel outside of the mayor's office observed and previously discussed with the City.

Typical interior finishes and condition:

- Terrazzo floors .....good condition
- Carpeting .....varied condition, some older and showing wear
- Composite tile .....varied, some recommended to be replaced
- Marble wall wainscot .....good condition
- Gypsum board or plaster walls ..fair to good condition
- Ceilings .....spline ceilings in fair condition: some stained
- Ceilings .....lay-in acoustic panel: good condition
- Casework .....fair to good condition; some recommended to be remodeled (see code section)

No leaks have been reported on the roofing system, but it does appear to be past its expected lifespan. Recommend reroofing within the next 3-5 years, and addressing any flashing issues at the parapet condition at that time.

Code/Accessibility

Two legal means of egress are available from all occupied areas. Corridor widths are all a minimum of 36" wide. Additional routes of egress are provided from the basement mechanical room, transformer vault, and boiler room.

The building has two primary stair shafts, both on the west side of the building, one toward the north and one toward the south. Although current code would require shafts of this height to be 2 hour rated, as an existing building, the shafts are presumed to comply with the code at the time they were constructed.

The space between guards on the sides of the stairs is over 12" at its narrowest dimension. This does not comply with IBC 1013.3, but would be grandfathered in as compliant. Due to the very public nature of this building, providing some protection to supplement the original handrails and guards should be considered.

The desk at the Parks Department is recommended to be modified for improved accessibility.

Grab bars in the accessible toilet room on 2nd floor are not positioned at the same height. The higher one is mounted with its top at 36 5/8", which is above the maximum allowable height of 36" per ADA 609.4 and ANSI A117.1 section 609.4.

Structural System

The structure consists of cast-in-place concrete floor slabs, beams, and columns bearing on a concrete foundation system.

Plumbing Systems

The original piping is in fair condition and can be replaced as needed. Insulation could be added to the hot water piping for energy savings. Thermostatic mixing valves (TMV's) should be added to correct code issues. Eyewashes require tempered water – add TMV's.

Building is served by interior roof drains – main roof and Penthouse. There is no secondary drainage for the building.

Plumbing fixtures are older, flush valve(s) could be updated to conserve water. Each floor has a dedicated ADA compliant toilet room. Building utilities in general appear adequate.

Fire Protection Systems

City hall was built in 1955 and had a standpipe system and fire pump installed at that time. The fire pump serves only the standpipe system; no sprinkler system is installed in the building.

Based on its condition the fire pump appears to be the original pump. The fire pump is showing signs of severe corrosion and leaking and is not located within a rated enclosure as required by the current edition of NFPA 20. If the fire pump is replaced it will require that it be brought up to the currently adopted standards.

The standpipe system is a Class II System, which includes 1 ½" hose valves. The 2009 Edition of the IFC requires that a Class III Standpipe System, which includes both 1 ½" and 2 ½" hose valves be installed in all buildings with a floor height higher than 30' above the level of access. It also requires that the valves be located within exit stairways, which is not the case with the currently installed valves. The existing valves are located in the corridor on each floor.

HVAC Systems

The boilers are original to the building's construction. The boiler controls and burners have been upgraded and/or replaced. The units are expected to last another 5 years. The steam system serves air unit heating coils and steam to water heat exchangers that provide hot water to the building's heating units. The penthouse heating system has been replaced. The pumps appear to be in good condition. The basement heating system pump has been replaced. There is no insulation on this system.

The main building ventilation system is a built-up high pressure induction air unit located in the mechanical penthouse. The unit is original to the building's construction but the major components have been replaced. The coils are beginning to show signs of deterioration and will require increased maintenance until such time they fail. The induction units' drain pans are deteriorating and plug on occasion, causing overflows into the building's envelope cavity. There are no filters on these units.

There are three additional air units serving specific use areas of the building. These units are original to the building's construction but the major components have been replaced. The cooling coils are deteriorating and will require increased maintenance until such time they fail.

A water cooled air unit is located in a closet on first floor requires replacement. Occupant dissatisfaction with the unit's operation has led the staff to simply turn the unit off.

The chiller was replaced in 2008 and the cooling tower in 2011. The pumps have also been replaced. The piping is in fair condition. However, pipe insulation is missing or has deteriorated around the air unit coils and this is causing rust and deterioration of the piping. The lack of insulation at the induction unit coils allows condensation to form and drip into the building's envelope cavity.

Four main exhaust ventilation fans are in fair condition, however the original ductwork is dirty and leaks. There are rooms in the lower level that are occupied and not ventilated.

The building controls are primarily pneumatic with some DDC control added to the air units, chiller, and boiler systems to provide some central monitoring. Air compressors are located in the boiler room.

Electrical Systems

City Hall is served by a 2000 Amp, 120/208 Volt, three phase electrical service. The Main Switchboard (MSB) is a Square D model Saflex fusible-switch type which is original to the building. Although the equipment appears in

good condition, Square D no longer supports this style of switchboard. The switch providing the normal power feed to the automatic transfer switch (ATS) is labeled "Emergency Circuits Disconnect". It is recommended this label be changed to "Normal Power to ATS" since "emergency" circuits are fed from the generator and are not disconnected by this switch when utility power is lost.

Understanding how power is distributed in the penthouse could be improved by installing a Motor Control Center (MCC). Currently the feeder serving the penthouse is tapped several times to serve numerous disconnect switches.

A 60-kW diesel-fueled generator provides standby power. It feeds an automatic transfer switch (ATS) rated 225-amps. Although the generator serves both lighting and non-lighting loads, it's not relied upon for emergency egress.

The main emergency power panel (EPP) is located adjacent to the ATS. EPP is a Square D Load Center with a 200A main circuit breaker. The panel has 24 1-pole spaces available.

A manual transfer switch with a pin-and-sleeve receptacle for connecting a temporary generator was installed in the basement recently by the communications provider whose transmitting equipment is installed on the building's rooftop. The normal feed to the manual transfer switch is tapped from the bus of the MSB despite there being a spare 200A switch available in the distribution section of MSB.

Branch panels for both normal and emergency power are manufactured by Square D. It would be very difficult and costly to relocate the panels, but it is possible to improve a poor situation by replacing the interiors and panel covers to improve reliability and ease of access.

Battery-operated emergency egress lighting fixtures occur sporadically throughout the building. The quantity of the fixtures, fixture placement, and overall performance do not comply with current standards.

Generally lighting fixtures throughout the buildings are in good to fair condition, and utilize T8 fluorescent lamps and electronic ballasts. An exception is lighting fixtures in the Printing Room of the basement – which are suspended fixtures with louvers using T12 fluorescent lamps. T12 lamps are no longer manufactured.

Areas with the original concealed grid ceilings are using the original 1x4 flush-mounted fluorescent lighting fixtures that have been retrofit with T8 fluorescent lamps and electronic ballasts. The quantity of original 1x4 lighting fixtures is greater than a modern lighting design would call for. Prismatic lenses are yellowing in many of the original 1x4 flush-mounted lighting fixtures.

Where concealed grid ceilings have been replaced with lay-in acoustical tile ceilings, lighting fixtures have also been replaced. Replacement fixtures use T8 fluorescent lamps with electronic ballasts.

The building is protected by a zoned Faraday fire alarm system. Coverage with visual and audible/visual alarms is inconsistent – some areas are compliant, some are not. Use of smoke and/or heat detectors is also inconsistent.

Estimates

Cost estimates provided are ball-park range, and based on 2015 prices. Increases for inflation, project size and other factors should be taken into consideration when referencing. Estimates are for project costs only. Consultant design fees are not included unless noted.

SUMMARY OF PRIORITY ITEMS

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Architectural			Roof Condition	**$200,000**
			6th floor repairs in Parks	**$1,000**
Architectural Subtotal				**$201,000**
Code/ADA			Accessible Toilets	**$400**
			Casework	**$7,000**
Code Subtotal				**$7,400**
Structural				**NA**
Fire Protection			Fire Pump	**$150,000**
			Fire Pump Controller	**See above**
	Standpipe System			**$20,000**
Fire Protection Subtotal				**$170,000**
Plumbing			Insulation	**$15,000**
	Eyewash(es)			**$6,000**
	Thermal Mixing Valve (TMV)			**$4,000**
	Backflow Prevention			**$500**
	Elevator Sump Pit			**$10,000**
Plumbing Subtotal				**$35,500**
HVAC Systems				
AHU-1			Housing	**$370,000**
			Distribution Ductwork	**$960,000**
Exterior Room Comfort			Induction Terminals	**$2,600,000**
AHU-2			Housing	**$150,000**
AHU-3			Housing	**$150,000**
AHU-4			Housing	**$150,000**
AHU-5			Housing	**$9,000**
Exhaust Fans			General Exhaust	**$30,000**
			Exhaust Ductwork	**$40,000**

ITEM	DEFICIENT (D) Immediate Replacement	CRITICAL PRIORITY (CP) Replace in 1-2 years	HIGH PRIORITY (HP) Replace in 3-5 years	COST ESTIMATE
Heating System			Boilers	**$210,000**
		Pipe Insulation		**$20,000**
			Room Terminal Units	**$50,000**
Mechanical Room Ventilation			Mechanical Room	**$8,000**
	Boiler Room			**$10,000**
Controls			DDC Control	**$35,000**
HVAC Subtotal				**$4,792,000**
Electrical		Seal Penetrations		**$1,200**
			Emergency Egress Lighting and Exit Signs	**$50,000**
		Upgrade to an Addressable Control Panel		**$40,000**
Electrical Subtotal				**$91,200**
Building Total				**$5,297,100**

City Hall - Electric Service and Mechanical System Replacement (Last Updated 2/17/22)

Description		Estimated Cost	Year Funded
Electrical Upgrades		$1,500,000	2023
Mechanical HVAC Design/Engineering		$500,000	
Total Cost:		**$2,000,000**	
Notes	Life safety issues with transformers currently in basement		
	Equipment obsolete, parts not available		
	Hard to maintain current equipment		

Description		Estimated Cost	Year Funded
East only Mechanical Penthouse Expansion with New Roof		$810,000	2024
Water boilers		$290,000	
Total Cost:		**$1,100,000**	
Notes	Phase 1 Mechanical Replacement consists of constructing a penthouse addition to accommodate the future mechanical replacements, replace the roof and replace the water boilers. An architectural consultant recommended the roof to be replaced in 2018. It has been patched on numerous occasions and is need of total replacement. The water boilers are original to the building and have exceeded their anticipated lifespan. The new water boilers are larger and will not fit in the existing space so they will be placed in the new penthouse addition.		

Description		Estimated Cost	Year Funded
Shafts/Duct risers		$1,000,000	2025
Air Unit 004		$320,000	
Total Cost:		**$1,320,000**	
Notes	Phase 2 of the mechanical replacement will consist of installing new vertical duct work from the basement to the roof penthouse. This will provide the mechanical infrastructure necessary to support the equipment replacements and accommodate expanded ventilation. This also would provide adequate fire stopping and dampers as required by code. Air Unit 4 will also be replaced in this phase. This air unit is original to the building and serves the basement, first floor and council chambers.		

Description		Estimated Cost	Year Funded
Air Units 001 & 002		$650,000	2026
DDC Upgrade		$61,000	
Exhaust Fans		$44,500	
Total Cost:		**$755,500**	
Notes	Phase 3 of the mechanical replacement will provide correct air flows to each floor and will replace Air Units 1 and 2. Air Unit 1 is the main air unit that serves all of the window inductions units throughout the building. Air unit 2 serves portions of the 5th and 6th floors. Several exhaust fans will also be replaced in this phase.		

Description		Estimated Cost	Year Funded
Induction units, 2 pipe 1 for 1 replacement		$1,350,000	2027
Total Cost:		**$1,350,000**	
Notes	Phase 4 of the mechanical replacement will be to replace the Induction Unit, which is original to the building. This is the large central air handler that delivers the primary air to the smaller system. This unit also controls the heating/cooling switchover.		

Total Cost for Electrical and Mechanical Upgrades:	**$6,525,500**

There are many additional small and large City Hall renovations that have been proposed by staff. This partial list of projects below only highlights the larger renovations that have been proposed for consideration. These projects have not been prioritized and there are no current cost estimates for this work. The renovations for the 3rd Floor will likely have to be considered at some point in the near future.

3rd Floor Renovations: Replace all of the computer cabling, renovate Meeting Room 310 into additional staff work space.
2nd Floor Renovations: Install a dedicated women's restroom.
4th Floor Renovations: Move the Assessors office, Finance Department and Purchasing Department to the 4th floor.
1st Floor Renovations: Renovate new empty space from 4th floor renovation into Municipal Court and a large meeting room.

Report to the
Ad Hoc Facilities Committee of the City of Green Bay

MEETING DATE

March 15, 2022

AGENDA ITEM # O.19

Ad Hoc Facilities Committee: To receive and place on file an overview of the Bray Architects presentations.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. 2016-12-13 Green Bay Public Safety Needs Summary
2. 2017-03-28 Green Bay Public Safety - Additional Services Summary







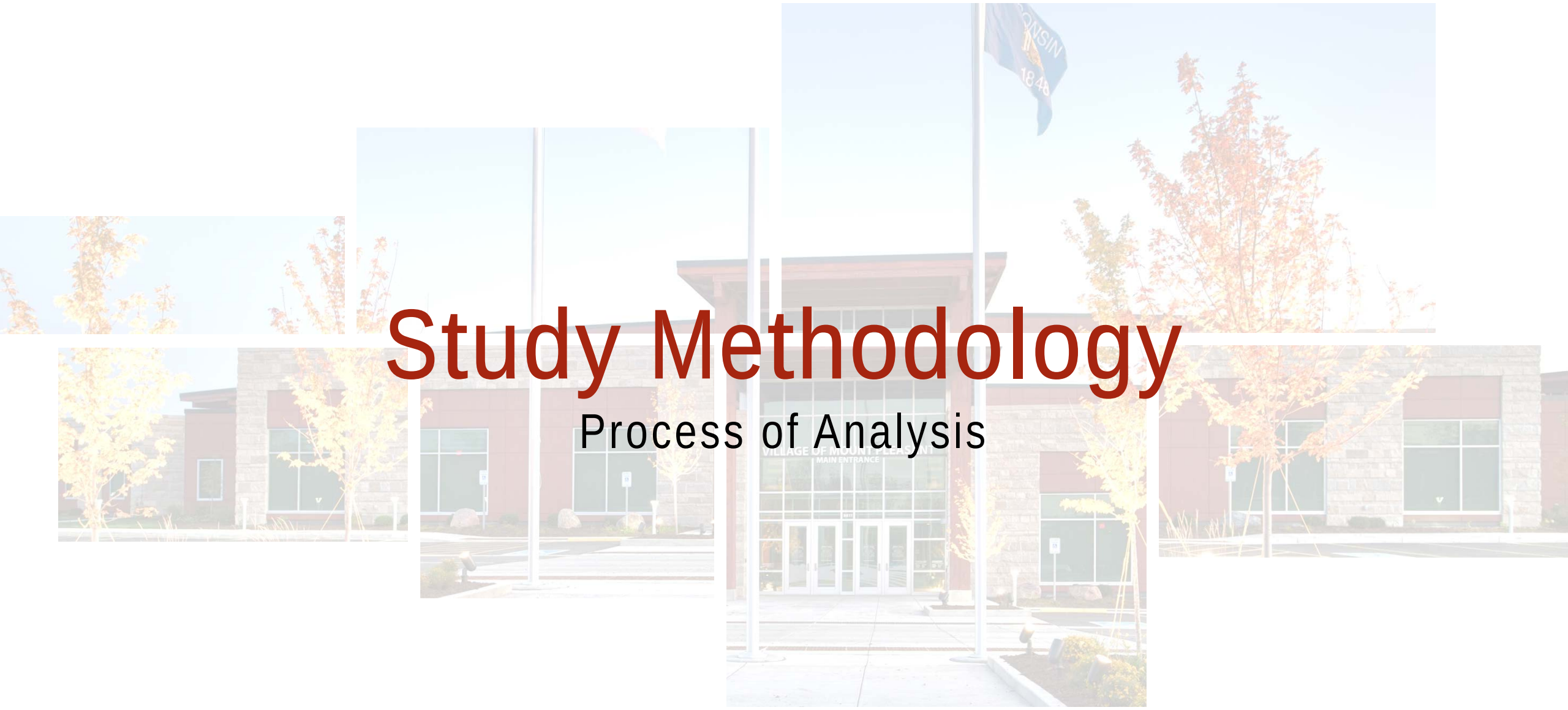


bray
architects
solid foundation. forward thinking.

CITY OF
GREEN BAY
1854
Titletown, USA

City of Green Bay | Public Safety Building - Spatial Needs Assessment

Finance Committee Presentation 12.13.2016



Study Methodology

Process of Analysis

Study Methodology | Process of Analysis

- Study Commenced July 2016
- Steering Committee
  - Mayor's Office
    - Celestine Jeffreys, Mayor's Chief of Staff
  - Police Department
    - Captain John Laux, District C Captain
    - Commander Paul Ebel, Operations Division
  - Fire Department
    - Assistant Chief Robert Goplin
  - Municipal Court
    - Judge Jerry Hanson







Study Methodology | Process of Analysis

- Understanding Existing Conditions
  - Conducted existing building tours
  - Reviewed department staffing and organizational charts
- Space Need Determination
  - Completed staff interviews / surveying
  - Developed existing vs. new space programs
  - Future Projection: 15 years (2031)
  - Completed vehicle / equipment inventories
  - Discussed critical adjacencies
  - Reviewed consolidation efficiencies in staffing and public service









Existing Conditions

Police Department | Fire Department | Municipal Court

Existing Conditions | Green Bay Police Department

- Existing Building
  - Original Construction: 1968 (Renovation 1992)
  - Approximately 55,500 sq.ft. (2 stories + basement)
- Existing Site
  - 2 Acres – approximately 140 surface parking stalls
  - Immediate adjacency to GB Municipal Court
    - Some shared space use (basement fitness)
  - Downtown location with urban characteristics



Existing Conditions | Green Bay Police Department

- Existing Space Analysis / Observations
  - Existing building lacks public presence / civic stature
  - Lack of secure site control (public and private)
  - Limited community / public space
  - Staffing workflow inefficiencies
  - Inadequate space for emerging policing services
    - Investigations, computer forensics, professional standards and training, event / game day dispatch
  - Improvements in chain of evidence processing
    - Fragmented evidence storage spaces
  - Limited vehicle / equipment storage / maintenance space



Existing Conditions | GBMFD - Fire Station #1

- Existing Building
  - Original Construction: 1929 (Renovation 1983)
  - Approximately 5,000 sq.ft. (2 stories)
- Existing Site
  - .33 Acres - 3 Surface parking stalls
  - Isolated triangular site surrounded by streets
    - One-way streets north / south
  - Downtown location with urban characteristics



Existing Conditions | GBMFD - Fire Station #1

- Existing Space Analysis / Observations
  - Existing building maintains unique historic fire station architectural characteristics
  - Lack of intuitive main public entry
  - Combination of apparatus and equipment storage and professional office space
    - Staffing workflow inefficiencies
    - Lack of ADA compliance
  - Limited vehicle / equipment storage / maintenance space



Existing Conditions | Green Bay Municipal Court

- Existing Building
  - Original Construction: 1967 (Renovation 2000)
  - Approximately 6,500 sq.ft. (1 story + basement)
- Existing Site
  - .4 Acres – 18 Surface parking stalls
  - Immediate adjacency to GB Police Department
    - Some shared space use (basement fitness)
  - Downtown location with urban characteristics



Existing Conditions | Green Bay Municipal Court

- Existing Space Analysis / Observations
  - Existing building has strong street presence, intuitive main public entry with adequate signage
  - Public space seems to be in good condition
    - Court day sequencing, waiting and circulation is adequate
    - Courtroom in appropriately sized and supports current recording / AV needs
  - Staffing space is adequate with appropriate amount of public transaction windows
  - Municipal Court underutilizes entire building – shared use of basement with Police Department





Executive Summary

Recommendations

Executive Summary | Space Need Summary

- Results of detailed architectural space programs:

- Municipal Court 4,630 sq.ft.
- Police Department 81,435 sq.ft.
- Fire Department – Station #1 17,565 sq.ft.
- PD / FD Remote Storage 16,920 sq.ft.
- Total Net Program Area: 120,550 sq.ft.

No.	Program Area	Space Need:	Notes
1.00	**Municipal Court**	4,630	
2.00	**Police Department**		
2.01	Public Lobby / Reception	4,130	
2.02	Front Desk	545	
2.03	Command Administration	1,350	
2.04	Support Services	2,815	
2.05	Professional Standards / Training	1,000	
2.06	Investigations	5,375	
2.07	Forensics	1,490	
2.08	Evidence Processing	2,845	
2.09	Operations	6,195	
2.10	Training & Shared Spaces	12,245	
2.11	Locker Rooms	5,390	
2.12	Firing Range	4,700	
2.13	Intake & Interview	2,275	
2.14	Garage	31,080	
2.15	Police Department Total:	81,435	
3.00	**Fire Department Administration**		
3.01	Garage / Vehicle Storage	4,900	
3.02	Storage / Garage Support	4,155	
3.03	Fire Department Administration	5,005	
3.04	Dormitory	640	
3.05	Shared / Public	2,865	
3.06	Fire Department Administration Total:	17,565	
4.00	**Police and Fire Remote Storage**		
4.01	Shared Lobby	320	
4.02	Police Department	6,600	
4.03	Fire Department	10,000	
4.04	Police and Fire Remote Storage Total:	16,920	
5.00	**Total Net Program Area**	**120,550**	

Executive Summary | Green Bay Municipal Court

- Continue to function out of existing building
  - Existing building is adequate to support current and projected future space need
  - Limited gain of space / operational efficiency in consolidation
  - Continue ongoing operational and preventative maintenance



Executive Summary | Police / Fire Department

- Consider consolidating PD and FD into a consolidated Public Safety Building
  - Significant space need within both departments
  - Public safety services improvement
  - Staff professional standards training / post-event debriefing
  - Total Gross Building Area: 134,685 sq.ft.
  - Total Parking Need (public + private): 328 stalls
- Construct shared annex remote storage building
  - Total Gross Building Area: 21,120 sq.ft.

No.	Program Area	Space Need:	Notes
1.00	**Public Space**	4,010	
1.01	Public Space Total:	4,010	
2.00	**Police Department**		
2.01	Front Desk	665	
2.02	Command Administration	1,350	
2.03	Support Services	2,815	
2.04	Professional Standards / Training	1,000	
2.05	Investigations	5,375	
2.06	Forensics	1,490	
2.07	Evidence Processing	2,845	
2.08	Operations	6,195	
2.09	Training & Shared Spaces	12,245	
2.10	Locker Rooms	5,390	
2.11	Firing Range	4,700	
2.12	Intake & Interview	2,275	
2.13	Garage	31,080	
2.14	Police Department Total:	77,425	
3.00	**Fire Department Administration**		
3.01	Garage / Vehicle Storage	4,900	
3.02	Storage / Garage Support	4,155	
3.03	Fire Department Administration	5,005	
3.04	Dormitory	1,390	
3.05	Fire Department Administration Total:	15,450	
	Total Net Program Area:	**96,885**	
4.00	**Project Grossing Factors**		
4.01	Circulation Grossing Factor	14,500	
4.02	Mechanical Grossing Factor	11,100	
4.03	Misc. Grossing Factor (walls, JC, data)	12,200	
4.04	Project Grossing Factor Total:	37,800	
	Total Gross Project Area:	**134,685**	

Executive Summary | Estimated Project Cost

- New Construction | Public Safety Building
  - New Construction $24,841,900
  - Fixed Equipment $175,700
  - Specialty Equipment $402,500
  - General Construction $2,760,700
  - Soft Costs, Contingency FFE, Inflation $8,017,600
  - Total Project Cost Estimate: $36,198,400

Estimated Cost Range: $34,400,000 - $38,000,000

- Assumptions:
  - Construction commencement: Spring 2018
  - Construction duration: 10-12 months
  - Conventional footings / foundations
- Not Included:
  - Site Acquisition
  - Existing improvements demolition
  - Communications / radio tower(s)
  - Moving and/or relocation fees
    - Temporary facility costs
  - Loose technology

Executive Summary | Estimated Project Cost

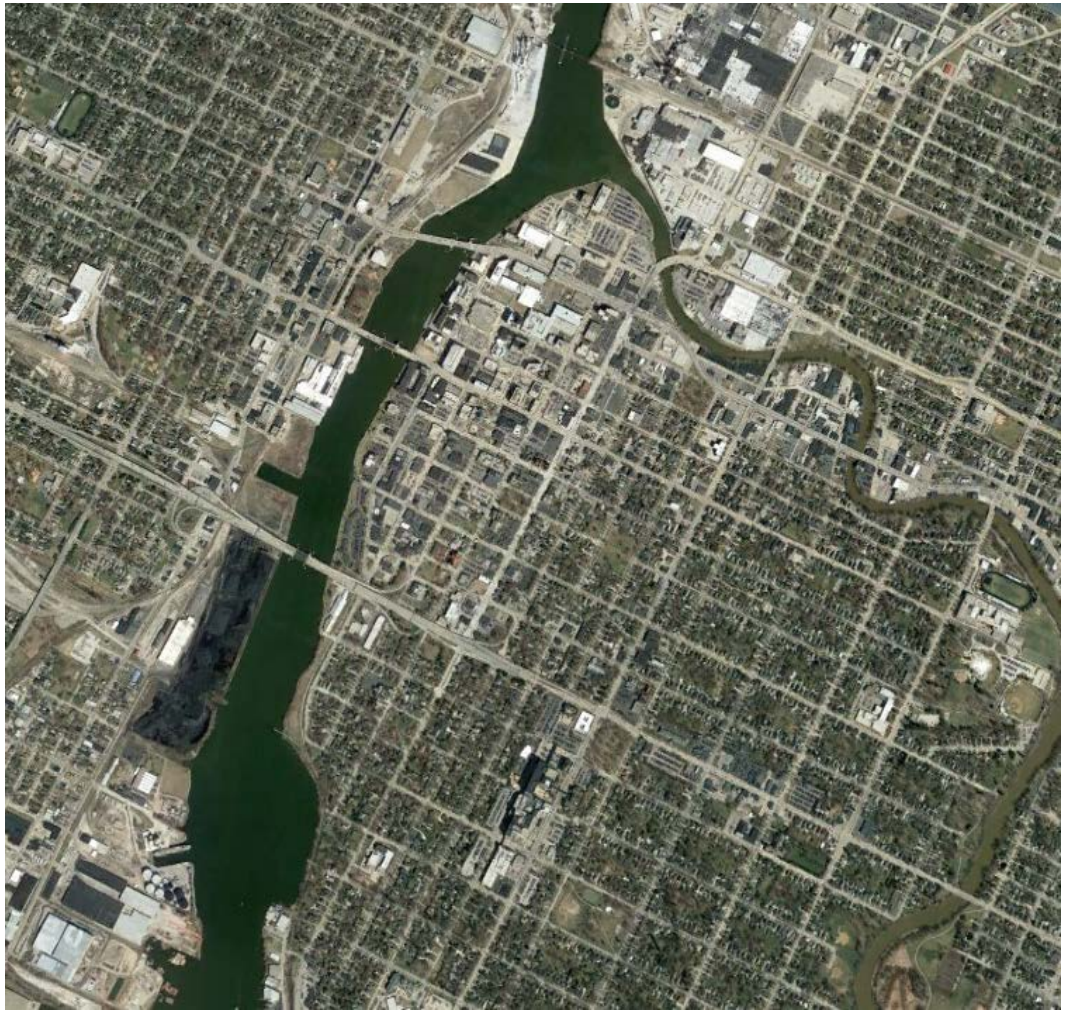
- New Construction | Public Safety Remote Storage Building
  - New Construction $3,882,000
  - Fixed Equipment $27,000
  - Specialty Equipment $125,000
  - General Construction $792,900
  - Soft Costs, Contingency FFE, Inflation $1,278,900
  - Total Project Cost Estimate: $6,105,800

Estimated Cost Range: $5,800,000 - $6,400,000

- Assumptions:
  - Construction commencement: Spring 2018
  - Construction duration: 7-9 months
  - Conventional footings / foundations
- Not Included:
  - Site Acquisition
  - Existing improvements demolition
  - Communications / radio tower(s)
  - Moving and/or relocation fees
    - Temporary facility costs
  - Loose technology

Executive Summary | Site Considerations

- Improvements:
  - Structure: 2 story building with approximate 73,080 sq.ft. footprint
  - Parking: 328 public and private/secured stalls
- Acreage: Approx. 5 acres
- Public presence downtown
  - Maintaining community policing and school liaison presence
- Proximity within the community
- Response impact



Next Steps





Questions









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1854
Titletown, USA

Finance Committee Presentation
Additional Services Summary
3.28.2017

City of Green Bay | Public Safety Building - Spatial Needs Assessment



Additional Services

To conduct a search of buildings w/parcels which could be renovated, and meet the space needs assessment (within a 2 mile radius of downtown).

Existing Property Search | Summary

- Create **criteria for viability** and identify buildings / sites within boundary meeting characteristics
- Combination of **site and building size** - large enough to accommodate identified program square footage need
- Create **building / site profile**
  - Site boundary (utilizing GIS data) and estimated acreage
  - Architectural characteristics description
  - Estimated building area and number of stories
  - Analysis of neighboring / adjacent properties related to program impact
  - Exterior building imagery / photography



Existing Property Search | Summary

- Create **criteria for viability** and identify buildings/ sites within boundary meeting characteristics
  - Location: 2 mile radius around downtown
  - Property Size: 5 acres
  - Building Area: 135,000 sq.ft. estimated building

    (80,000 sq.ft. footprint)
  - Site Accessibility: Ingress / egress, response routes, neighboring uses, etc.



Existing Property Search | Summary

- Create criteria for viability and identify buildings/ sites within boundary meeting characteristics

Tools:

- City assessment records
- GIS database research
- Aerial imagery analysis

Searches: 100 + properties

- 1. Commercial properties > 80,000 sq.ft.
- 2. Vacant / available properties
- 3. Manufacturing properties



Existing Property Search | Summary

- Create criteria for viability and identify buildings/ sites within boundary meeting characteristics

Tools:

- City assessment records
- GIS database research
- Aerial imagery analysis

Searches: 100 + properties

- 1. Commercial properties > 80,000 sq.ft.
- 2. Vacant / available properties
- 3. Manufacturing properties

AboveGradeSF	A - Location	AA - Owner Mail 1	AA - Owner Mail 4	W- Location N
714,191	2845 GREENBRIER RD	AURORA HEALTH CARE INC	MILWAUKEE WI 53234-3910	2845
219,981	2851 UNIVERSITY AV	GREEN BAY WI VA 2011 LLC	FOND DU LAC WI 54935	2851
211,201	2440 W MASON ST	ONEIDA TRIBE OF INDIANS	ONEIDA WI 54155-0365	2440
205,726	400 N WASHINGTON ST	SCHREIBER FOODS INC	GREEN BAY WI 54307-9010	400
203,726	333-335 MAIN ST	HYATT EQUITIES LLC	CHICAGO IL 60690-1450	333-335
188,390	2929 ST ANTHONY DR	MORAINE RIDGE REAL ESTATE LLC	SKOKIE IL 60076	2929
172,080	1500 DONALD ST	RGL REAL ESTATE INC	GREEN BAY WI 54304-3534	1500
166,294	304 N ADAMS ST	HOTEL NORTHLAND LLC	MILWAUKEE WI 53204	304
162,731	2350 E MASON ST	LSREF2 OREO 2 LLC	DALLAS TX 75204	2350
150,586	865 LOMBARDI AV	BAYS TUNDRA HOSPITALITY CORP	GREEN BAY WI 54304-3732	865
150,292	1505 W MASON ST	JPMCC 2006 CIBC14 1481 1535 WEST MASON ST LLC	IRVING TX 75039	1505
144,372	111 W WALNUT ST	GREEN BAY ACQUISITION CO	MENOMINEE MI 49858-0395	111
142,642	115 E WALNUT ST	GB METREAU LLC	MILWAUKEE WI 53202	115
125,979	817 MC DONALD ST	KENDALL BUILDING LLC	MENOMINEE MI 49858-0395	817
119,864	2970 MOSSY OAK CI	WE PHEASANT RUN LLC	MILWAUKEE WI 53211	2970
119,640	800 BLOCK S TAYLOR ST	ONEIDA TRIBE OF INDIANS	ONEIDA WI 54155-0365	800 BLOCK
116,254	1710-1750 MORROW ST	PURPLE ROSE GB LP	CANADA 00000	1710-1750
115,858	433 MAIN ST	ASSOCIATED BANK LEASING REAL EST MS 8227	GREEN BAY WI 54301-5114	433
113,804	1300 BLOCK THRUSH ST	RGL REAL ESTATE INC	GREEN BAY WI 54304-3534	1300 BLOCK
110,354	520 N BROADWAY	REDEVELOPMENT AUTHORITY OF CITY OF GREEN BAY	GREEN BAY WI 54301	520
110,093	808 PACKERLAND DR	PACKERLAND COLD STORAGE LLC	GREEN BAY WI 54303	808
107,188	216 S MILITARY AV	SHOPKO STORES INC	GREEN BAY WI 54307-9060	216
105,579	2430 E MASON ST	SPIRIT SPE PORTFOLIO 2006-1 LLC	GREEN BAY WI 54304-5263	2430
105,322	1160 KEPLER DR	BAYCARE AURORA LLC	MILWAUKEE WI 53234-3910	1160
104,865	1555 W MASON ST	GREEN BAY MASON CO	SIMI VALLEY CA 93065-5364	1555
103,496	2060 VAN DEUREN ST	MEADOWS NORTH	ENCINO CA 91436-2832	2060
103,000	1609 WESTERN AV	H J MARTIN & SON	GREEN BAY WI 54307-1387	1609
100,160	2455 CENTURY RD	AMERHART ASSOC	GREEN BAY WI 54303-4801	2455
99,889	409-433 S WEBSTER AV	WP HART PROPERTIES LLC	COLUMBUS WI 53925	409-433
99,690	401 N WASHINGTON ST	CITYDECK LANDING LLC T WALL ENTERPRISES MNG	MIDDLETON WI 53562	401
95,379	321 S WASHINGTON ST	DOWNTOWNER MOTEL INC	GREEN BAY WI 54301-4214	321

Existing Property Search | Summary

- Property Profile Analysis
  - WPS Properties
  - West Mason Street Properties
  - 810 Victoria Street
  - 817 McDonald Street (Kendall Building LLC)
  - 704 – 710 Lombardi Ave
  - 419 S. Maple Ave / 420 S. Broadway
  - 130 9th Street
  - 1100 Columbia Avenue



1. Wisconsin Public Service (WPS)
2. West Mason Street
3. 810 Victoria Street
4. 817 McDonald Street (Kendall Building LLC)
5. 704 - 710 Lombardi Avenue
6. 419 South Maple Avenue / 420 South Broadway
7. 130 9th Street
8. 1100 Columbia Avenue



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Project #: 3292

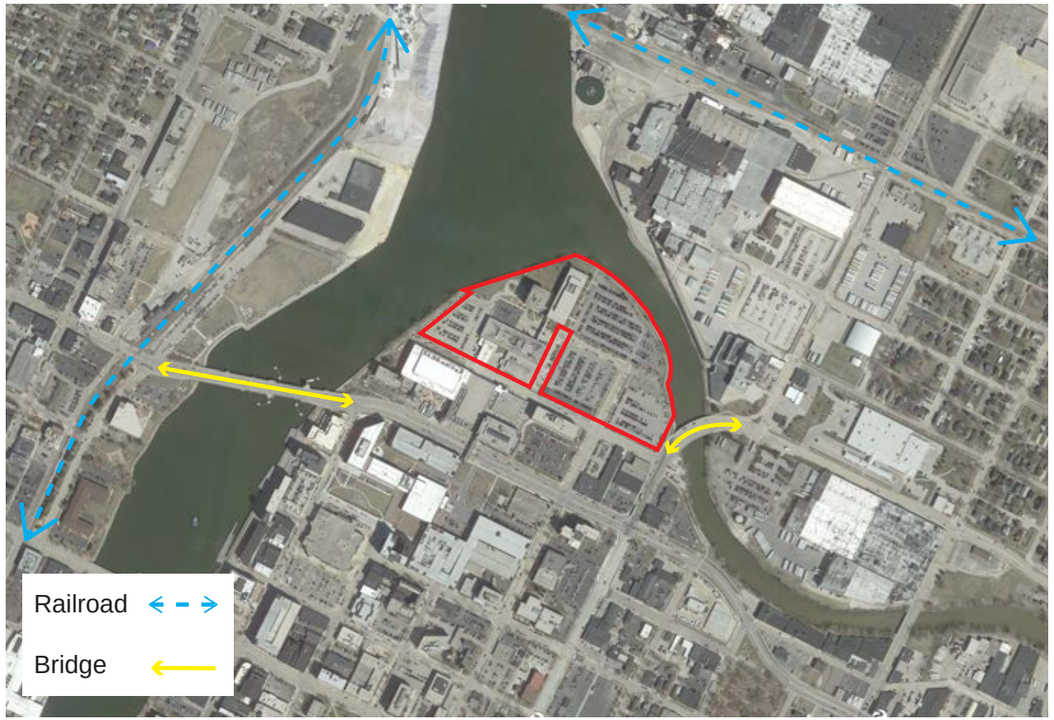
Green Bay Site Locations

SCALE: Not to Scale

Green Bay Public Safety Building
Green Bay, WI
March 28, 2017

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Acreage: 19.293

Existing Building: 35,000 sq. ft. (3-story)
12,451 sq. ft.
(4-story)

Architectural Characteristics: Brick Building, 3 & 4 stories, Commercial

Pros: Location - within 2 mile radius
Site Accessibility - multiple connections to street
Property Size - over 5 acres
Existing Building - over footprint needed

Cons: N/A

Recommendation: Recommended. Multiple possibilities for renovation of existing building and new construction. Significant amount of existing property for program. Site accessibility includes waterfront access, multiple street access, and close proximity to bridges.

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Project #: 3292

Wisconsin Public Service (WPS)

SCALE: Not to Scale

Green Bay Public Safety Building
Green Bay, WI

March 28, 2017

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Acreage:	8.563	Pros:	Location - within 2 mile radius Site Accessibility - multiple connections to street Property Size - over 5 acres Existing Building - correct size for footprint needed
Existing Building:	87,000 sq. ft. (manufacturing building)		
Architectural Characteristics:	Brick Building, Manufacturing, 1 - story	Cons:	N/A

Recommendation: Recommended. Existing building type (brick) provides a public presence on W. Mason St. Adequate vehicular site access with multiple entries into existing building and streets. Existing property is significant in acreage for program.

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Project #: 3292

West Mason Street Properties

SCALE: Not to Scale

Green Bay Public Safety Building
Green Bay, WI

March 28, 2017

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Acreage:	7.755
Existing Building:	9,800 sq. ft.
Architectural Characteristics:	Wood and Stone Building, 1 - story, Radio Station

Pros: Location - within 2 mile radius
Property Size - over 5 acres
Site Accessibility - multiple connections to street

Cons: Existing Building - undersized for needed footprint

Recommendation: Consider further analysis, due to existing property size and community access. Public presence would be significantly ehanced with frontage on E. Mason St., consider northern adjacent property acquisition. Existing building lacks adequate size and construction type provides limited expandability. Consider relocation of existing radio tower.

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Project #: 3292

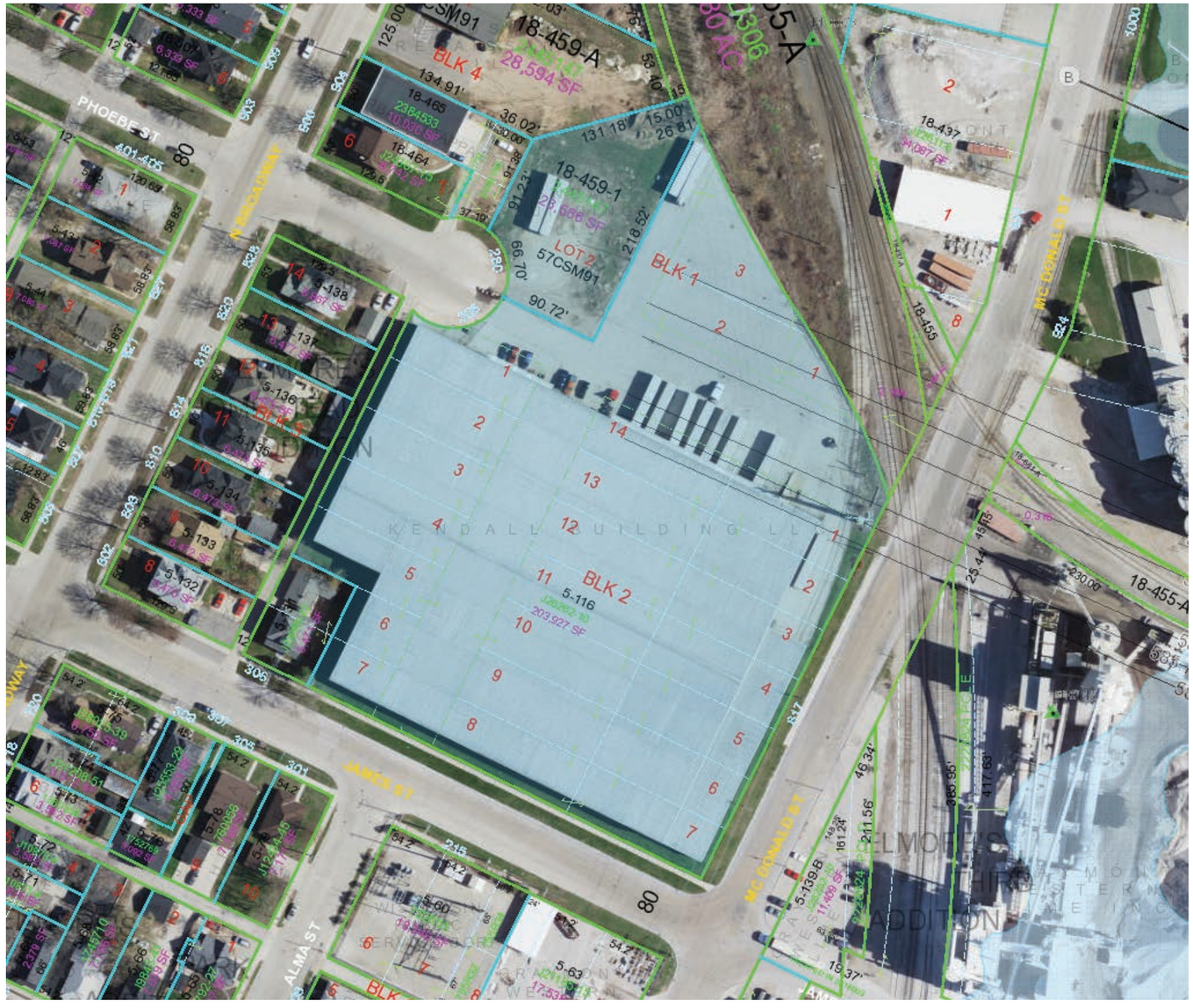
810 Victoria Street

SCALE: Not to Scale

Green Bay Public Safety Building
Green Bay, WI

March 28, 2017

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Acreage: 5.224

Existing Building: 133,300 sq. ft.

Architectural Chararcteristics: 1 - story,
Metal Building,
Flat Roof

Pros: Location - within 2 mile radius
Property Size - over 5 acres
Existing Building Size - correct size for program area
Site Accessibility - multiple connections to street

Cons: Site Accessibility - adjacent to railroad tracks and large chemical storage facilities

Recommendation: Consider further analysis, due to existing property size and significant existing footprint. Site lacks public presence, consider purchase of adjacent western properties. Existing building lacks civic architectural characteristics, consider modifications to enhance. Existing building type (metal warehouse) may function for vehicle storage, but would require significant envelope and systems renovations.

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Project #: 3292

817 McDonald Street (Kendall Building LLC)

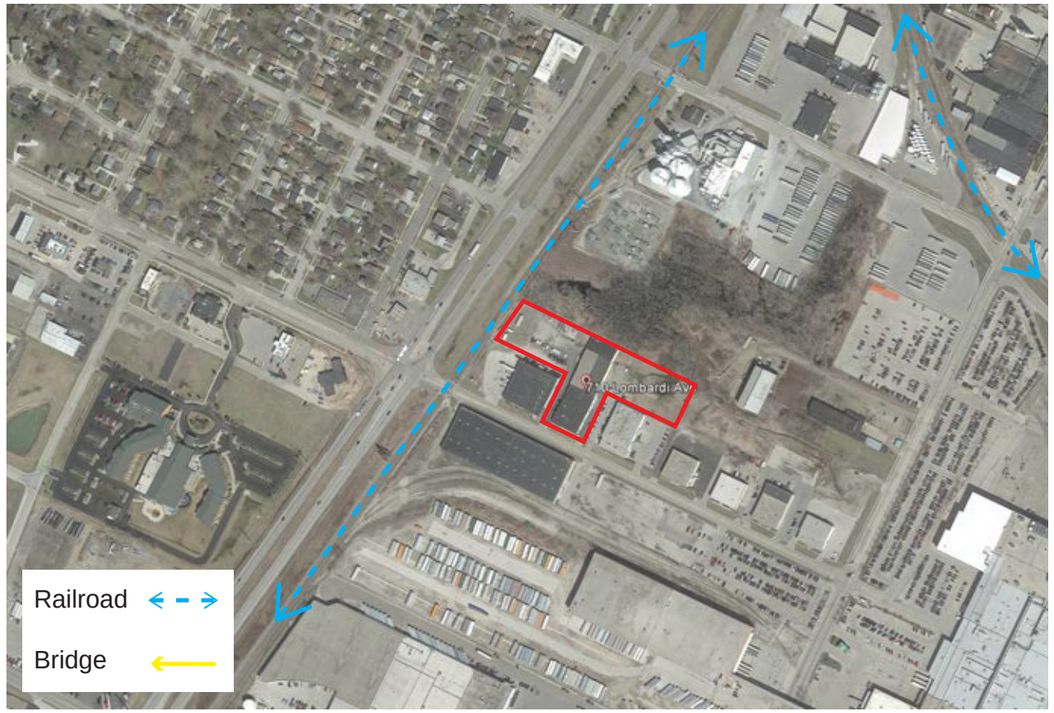
SCALE: Not to Scale

Green Bay Public Safety Building
Green Bay, WI

March 28, 2017

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Acreage:	3.408
Existing Building:	36,000 sq. ft.
Architectural Characteristics:	Concrete Building, Flat Roof, 1 - story, Business

Pros: Location - within 2 mile radius
Existing Building Size - garage footprint correct size

Cons: Property Size - under 5 acres, awkward shape (consider adjacent property acquisition)
Site Accessibility - one entry from street, adjacent to railroad tracks

Recommendation: Not Recommended. Undersized, mis-proportioned existing property will require additional acquisition to accommodate targeted need. A significant new construction addition would be required to accommodate recommended program area. Vehicular site access is limited due to existing street grid, river, and railroad track.

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Project #: 3292

704 - 710 Lombardi Avenue

SCALE: Not to Scale

Green Bay Public Safety Building
Green Bay, WI

March 28, 2017

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Acreage:	4.42
Existing Building:	50,100 sq. ft.
Architectural Characteristics:	Brick Front Office, Metal Building, Manufacturing, 1 - story

Pros: Location - within 2 mile radius
Site Accessibility - multiple connections to street

Cons: Property Size - under 5 acres (consider adjacent property acquisition)
Site Accessibility - proximity to railroad tracks
Existing Building Size - consider addition / renovation

Recommendation: Not Recommended. Undersized, mis-proportioned existing property will require additional acquisition to accommodate targeted need. A significant new construction addition would be required to accommodate recommended program area. Vehicular site access is limited due to existing street grid, river, and railroad track. Consideration of impact on future master planned neighborhood development.

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Project #: 3292

419 S Maple Avenue / 420 S Broadway

SCALE: Not to Scale

Green Bay Public Safety Building
Green Bay, WI

March 28, 2017

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Acreage:	2.694
Existing Building:	28,600 sq. ft.
Architectural Characteristic:	Concrete Building, Metal Pitched Roof, 1 story - Manufacturing

Pro: Location - within 2 mile radius
Site Accessibility - riverfront access and access to State St

Cons: Property Size - under 5 acres (consider adjacent property acquisition)
Existing Building Size - consider addition / renovation

Recommendation: Not Recommended. Undersized, mis-proportioned existing property will require additional acquisition to accommodate targeted need. A significant new construction addition would be required to accommodate recommended program area. Vehicular site access is limited due to existing street grid, river, and railroad track.

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Project #: 3292

130 9th Street

SCALE: Not to Scale

Green Bay Public Safety Building
Green Bay, WI

March 28, 2017

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Acreage:	3.795
Existing Building:	5,500 sq. ft.
Architectural Characteristics:	Metal Building, Pitched Roof, 1 story, Office / Garage

Pros: Location - within 2 mile radius
Site Accessibiltiy - multiple connections to streets

Cons: Property Size - under 5 acres (consider adjacent property acquisition)
Existing Building Size - consider addition / renovation (storage units currently on site)
Site Accessibiltiy - proximity to railroad tracks

Recommendation: Not Recommended. Undersized existing property will require additional acquisition in addition to significant building new construction to accommodate recommended program area.

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Project #: 3292

1100 Columbia Avenue

SCALE: Not to Scale

Green Bay Public Safety Building
Green Bay, WI

March 28, 2017

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CITY OF
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1854
Titletown, USA

Finance Committee Presentation
Additional Services Summary
3.28.2017

City of Green Bay | Public Safety Building - Spatial Needs Assessment

Report to the
Parks Committee
of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # P.1

To approve the request by the Baird Creek Preservation Foundation to donate and install Habitat Signage and butterfly wing sculpture in the Baird Creek Greenway.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. Baird Creek Habitat Signage & Art Info Sheet

Trail Signage and Art Pieces Projects

Phase 1 ~ Arrows & Phase 2 ~ Map Kiosks & Trailheads







Phase 3 ~ Habitat Signage $20,000





The Baird Creek Preservation Foundation strives to bring together education, nature, and art to enrich the lives of our local community; especially youth. Part of the Foundation's mission is to educate the public on the unique features and native habitats in the Greenway. Using signage highlighting the different habitats and ecosystems of the Greenway areas and habitats is a great way to do that. Examples of types of signage would include: types of forest, savanna, prairie, wetland, seep, meadow, etc.

The pictures above are examples of habitat signage bases and the pictures below are examples of SAMPLE plaques.

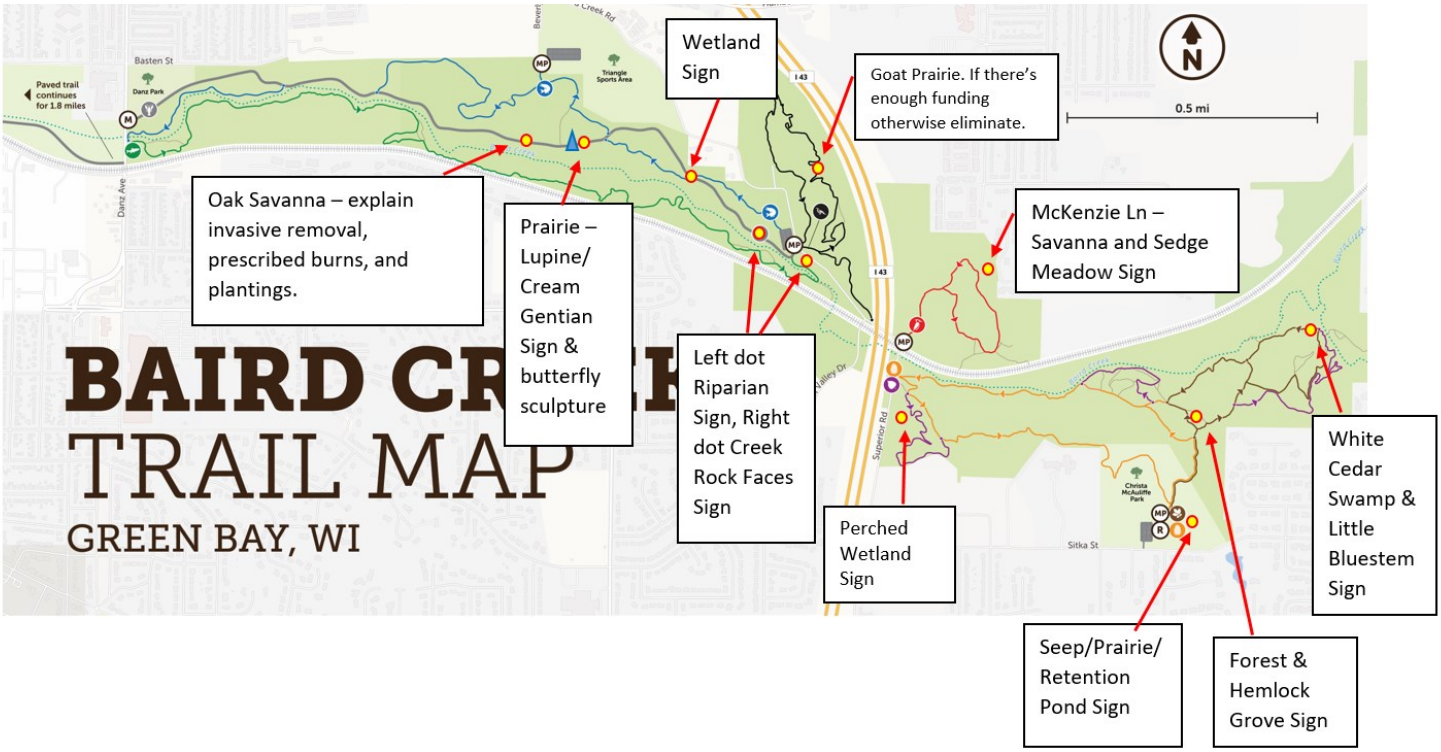






Locations of Habitat Signs

-red/yellow dots habitat signage locations
-blue triangle—1st sculpture location



Educational Art Pieces - One in 2022, $15,000



The long-term concept is to have artists create 5-10 sculptures throughout the Baird Creek Greenway that would highlight the living things of Baird Creek and tie into habitat signage. Each sculpture would bring together art, nature, and education while having elements of exploration and learning incorporated into them. In 2022, we have received funding for a sculpture and we've chosen butterfly wings to symbolize one of the inhabits of the Greenway's prairies. It will be placed next to a prairie habitat sign (blue triangle on the map above).

The location is along the paved trail and in a grassy area as to not disturb any of the sensitive areas of the Greenway that we are trying to highlight. The sculpture will draw in visitors to interact with is as well as draw attention to the habitat signage. The sculpture will include signage within the piece to teach facts about butterflies as well as incorporate an element of exploration; such as magnification.

The purpose of the art pieces is to bring awareness to our symbolic wildlife, trees, and creek dwellers that are native to the area and create a fun draw for our community to visit the Baird Creek Greenway and help all visitors learn about our local gems and why it's important to protect them.

Report to the
Parks Committee
of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # P.2

To approve the request by TDS Metrocom, LLC for a Utility Easement at Colburn Park.

BACKGROUND

RECOMMENDATION

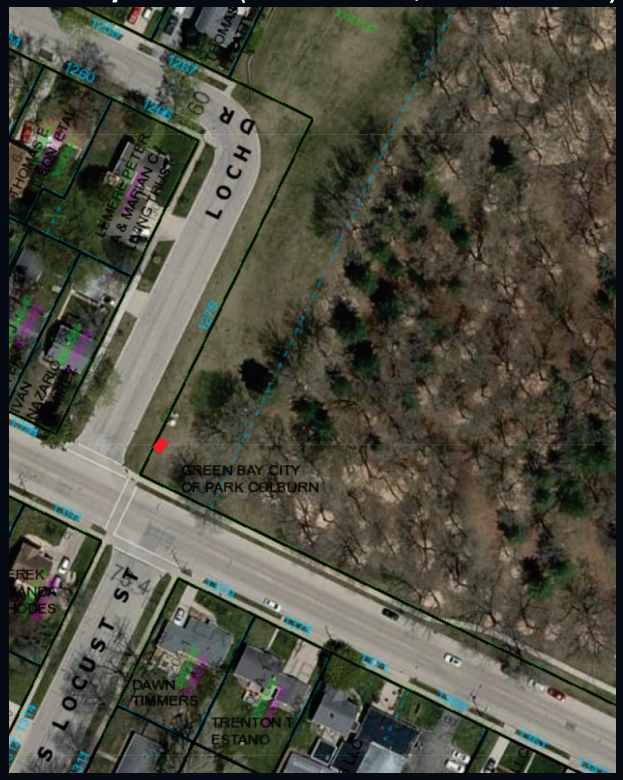
FISCAL IMPACT

ATTACHMENTS

1. TDS Metrocom Photos Colburn
2. TDS Metrocom Cabinet
3. Exhibit A - TDS - Green Bay Colburn Park - Node IA

0913IA

- **MARKET LOCATION**: Green Bay, WI
- **LAT/LONG**: (44.513375, -88.061131)



- **STREET ADDRESS**: Loch Dr, Green Bay, WI
- **PERMIT AUTHORITY**: Green Bay Owned Parcel – Enos Colburn park (Parcel# 6-192-5)

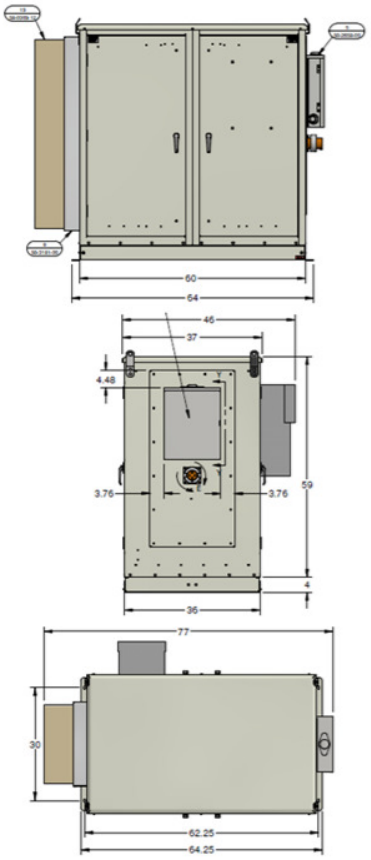


TDS

TILSON

NODE SITE BUILD-OUT

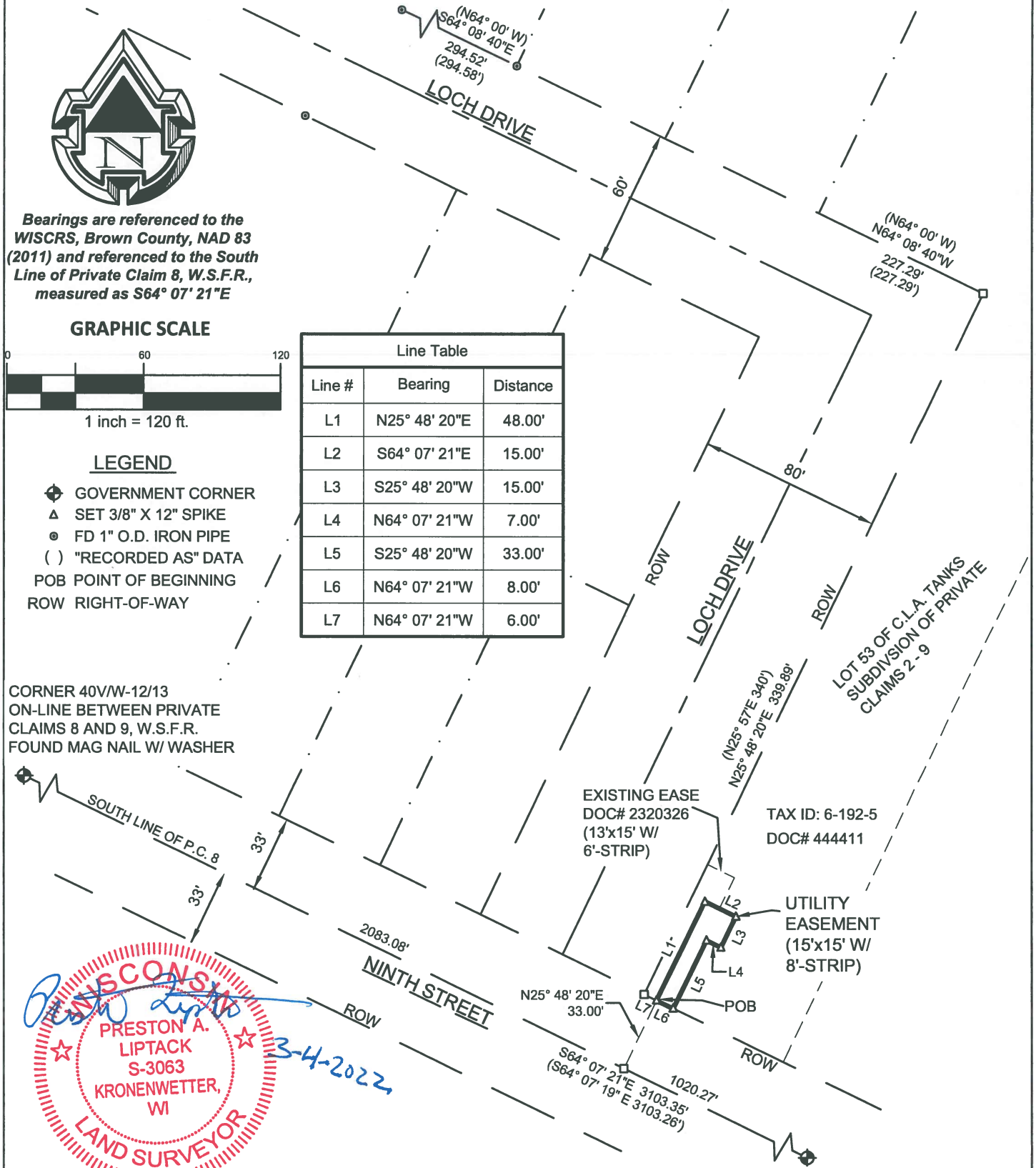




Node Footprint: ~ 10’ x 10’
Concrete Pad: 72” x 88” x 6”
Cabinet Dimensions: 64”W x 46”D x 63”H

EXHIBIT "A"

LOCATED IN PART OF LOT 53 OF C.L.A. TANKS SUBDIVISION OF PRIVATE CLAIMS 2 - 9, W.S.F.R., CITY OF GREEN BAY, BROWN COUNTY, WISCONSIN



Bearings are referenced to the WISCRS, Brown County, NAD 83 (2011) and referenced to the South Line of Private Claim 8, W.S.F.R., measured as S64° 07' 21"E

GRAPHIC SCALE

0 60 120

1 inch = 120 ft.

LEGEND

- GOVERNMENT CORNER
- SET 3/8" X 12" SPIKE
- FD 1" O.D. IRON PIPE
- ( ) "RECORDED AS" DATA
- POB POINT OF BEGINNING
- ROW RIGHT-OF-WAY

Line Table		
Line #	Bearing	Distance
L1	N25° 48' 20"E	48.00'
L2	S64° 07' 21"E	15.00'
L3	S25° 48' 20"W	15.00'
L4	N64° 07' 21"W	7.00'
L5	S25° 48' 20"W	33.00'
L6	N64° 07' 21"W	8.00'
L7	N64° 07' 21"W	6.00'

WISCONSIN
PRESTON A. LIPTACK
S-3063
KRONENWETTER, WI
LAND SURVEYOR
3-4-2022

mi-TECH
Fond Du Lac • Green Bay • Madison • New Berlin
800.465.8050

MARCH 2, 2022

TC-210913031

EXHIBIT "A"

LOCATED IN PART OF LOT 53 OF C.L.A. TANKS SUBDIVISION OF PRIVATE CLAIMS 2 - 9, W.S.F.R., CITY OF GREEN BAY, BROWN COUNTY, WISCONSIN

Legal Description for TDS Easement:

Located in part of Lot 53 of C.L.A. Tanks Subdivision of Private Claims 2 - 9, W.S.F.R., City of Green Bay, Brown County, Wisconsin, more particularly described as follows:

Commencing at Government Corner 40V/W-12/13 on-line between Private Claims 8 and 9 on the West Side of the Fox River; thence South 64 degrees 07 minutes 21 seconds East along the South Line of said Private Claim 8, a distance of 2083.08 feet; thence North 25 degrees 48 minutes 20 seconds East, a distance of 33.00 to the North Right-of-Way (ROW) Line of Ninth Street, the Southeast Corner of an existing 6'-wide Strip Easement recorded as Document No. 2320326 at the Brown County Register of Deeds Office, and the Point of Beginning; thence continuing North 25 degrees 48 minutes 20 seconds East along the East Line of said 6'-wide Strip Easement, a distance of 48.00 feet to the South Line of an existing 13'x15' Cabinet Easement recorded as said Document No. 2320326; thence South 64 degrees 07 minutes 21 seconds East along, and an extension of, the South Line of said Cabinet Easement, a distance of 15.00 feet; thence South 25 degrees 48 minutes 20 seconds West parallel to said East Line, a distance of 15.00 feet; thence North 64 degrees 07 minutes 21 seconds West parallel to said South Line, a distance of 7.00 feet; thence South 25 degrees 48 minutes 20 seconds West parallel to said East Line, a distance of 33.00 feet to said North ROW Line; thence North 64 degrees 07 minutes 21 seconds West along said North ROW Line, a distance of 8.00 feet to the Point of Beginning.



Report to the
Parks Committee
of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # P.3

To approve the request by TDS Metrocom, LLC for a Utility Easement at Edison Park.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. TDS Metrocom Photos Edison
2. Exhibit A - TDS - Green Bay Edison Park - Node RA

0913RA

- **MARKET LOCATION**: Green Bay, WI
- **LAT/LONG**: (44.491376, -87.948126)
- **STREET ADDRESS**: Alpine Drive, Green Bay, WI
- **PERMIT AUTHORITY**: Green Bay Owned Parcel – Edison Park

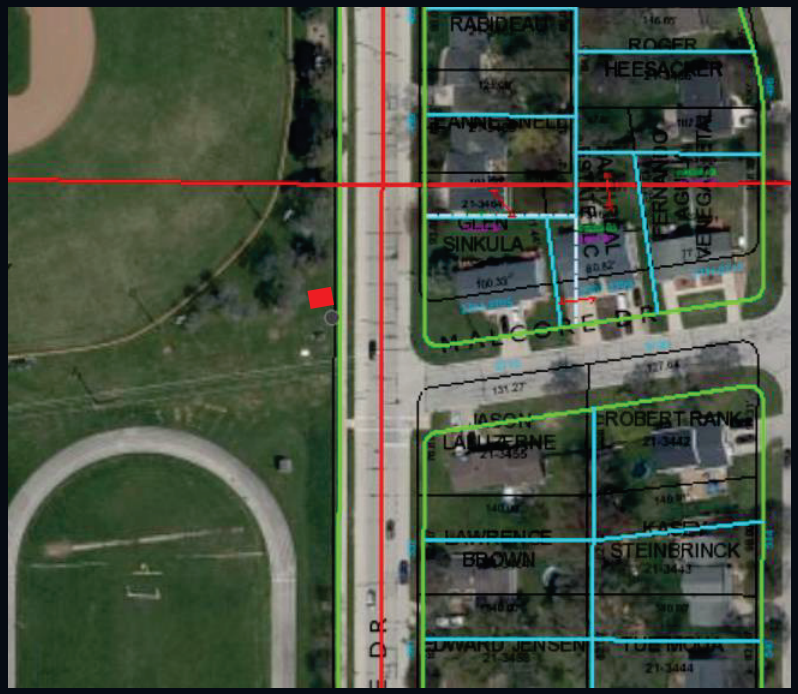




EXHIBIT "A"

LOCATED IN PART OF PARCEL 'A' OF CERTIFIED SURVEY MAP NO. 561 RECORDED AS DOCUMENT NO. 661441 IN VOLUME 2 PAGES 421-422, AND PART OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 23 NORTH, RANGE 21 EAST, CITY OF GREEN BAY, BROWN COUNTY, WISCONSIN

GRAPHIC SCALE

0 30 60

1 inch = 30 ft.

Line Table		
Line #	Bearing	Distance
L1	N89° 52' 02"W	15.00'
L2	N0° 07' 58"E	15.00'
L3	S89° 52' 02"E	15.00'
L4	S0° 07' 58"W	15.00'

TAX ID# 21-107-5

DOC# 667521

15' X 15' UTILITY EASEMENT

PARCEL 'A' CSM# 561 DOCUMENT# 661441 VOL 2 PAGES 421-422

(830') 830.01' N00° 07' 58"E

380.23' N00° 07' 58"E

N48° 50' 09"E 93.17'

N00° 07' 58"E 83.96'

LOT 57 ALPINE PARK FIRST ADD

CSM# 2293

L1 L2 L3 L4 POB

70'

ALPINE DRIVE (70' ROW)

ROW

1005.43' ROW

1208.44' N00° 07' 58"E

203.01'

MALCORE DR

LEGEND

- GOVERNMENT CORNER
- COMPUTED POINT
- SET 3/8" X 12" SPIKE
- FD 0.75" O.D. IRON BAR
- FD 1" O.D. IRON PIPE
- FD CHISELED 'X'
- ( ) "RECORDED AS" DATA
- POB POINT OF BEGINNING
- ROW RIGHT-OF-WAY

Bearings are referenced to the WISCRS, Brown County, NAD 83 (2011) and referenced to the South Line of the Southeast Quarter of S4, T23N, R21E measured as N88° 35' 42"W

WISCONSIN PRESTON A. LIPTACK S-3063 KRONENWETTER, WI LAND SURVEYOR

SOUTH 1/4 CORNER
S4 T23N R21E
FOUND MAG NAIL W/ WASHER

2606.22' SOUTH LINE OF THE SE1/4

N88° 35' 42"W 2641.57'

35.35'

SOUTHEAST CORNER
S4 T23N R21E
FOUND MAG NAIL W/ WASHER

FEBRUARY 24, 2022

mi-TECH
Fond Du Lac • Green Bay • Madison • New Berlin
800.465.8050

TC-210913023

EXHIBIT "A"

LOCATED IN PART OF PARCEL 'A' OF CERTIFIED SURVEY MAP NO. 561 RECORDED AS DOCUMENT NO. 661441 IN VOLUME 2 PAGES 421-422, AND PART OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 23 NORTH, RANGE 21 EAST, CITY OF GREEN BAY, BROWN COUNTY, WISCONSIN

Legal Description for TDS Easement:

Located in part of Parcel 'A' of Certified Survey Map No. 561 recorded as Document No. 661441 in Volume 2 Pages 421-422, and part of the Southeast Quarter of the Southeast Quarter of Section 4, Township 23 North, Range 21 East, City of Green Bay, Brown County, Wisconsin, more particularly described as follows:

Commencing at the Southeast Corner of said Section 4; thence North 88 degrees 35 minutes 42 seconds West along the South Line of the Southeast Quarter, a distance of 35.35 feet; thence North 00 degrees 07 minutes 58 seconds East along an extension of and along the West Right-of-Way (ROW) Line of Alpine Drive, a distance of 1208.44 feet to the Point of Beginning; thence North 89 degrees 52 minutes 02 seconds West perpendicular to said West ROW Line, a distance of 15.00 feet; thence North 00 degrees 07 minutes 58 seconds East parallel to said West ROW Line, a distance of 15.00 feet; thence South 89 degrees 52 minutes 02 seconds East perpendicular to said West ROW Line, a distance of 15.00 feet to said West ROW Line; thence South 00 degrees 07 minutes 58 seconds West along said West ROW Line, a distance of 15.00 feet to the Point of Beginning.



FEBRUARY 24, 2022

Report to the
Parks Committee
of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # P.4

To approve the request by TDS Metrocom, LLC for a Utility Easement at Mather Heights Park.

BACKGROUND

RECOMMENDATION

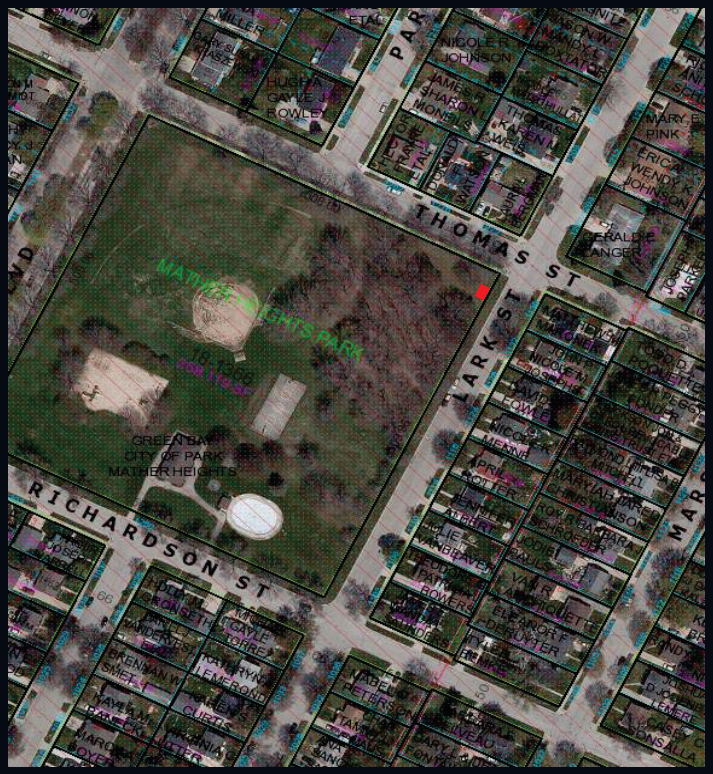
FISCAL IMPACT

ATTACHMENTS

1. TDS Metrocom Photos Mather Heights
2. Exhibit A - TDS - Green Bay Mather Heights Park - Node DA

0913DA

- **MARKET LOCATION**: Green Bay, WI
- **LAT/LONG**: (44.538445, -88.037891)



- **STREET ADDRESS**: Thomas St & Lark St, Green Bay, WI
- **PERMIT AUTHORITY**: Green Bay Owned Parcel – Mather Heights Park

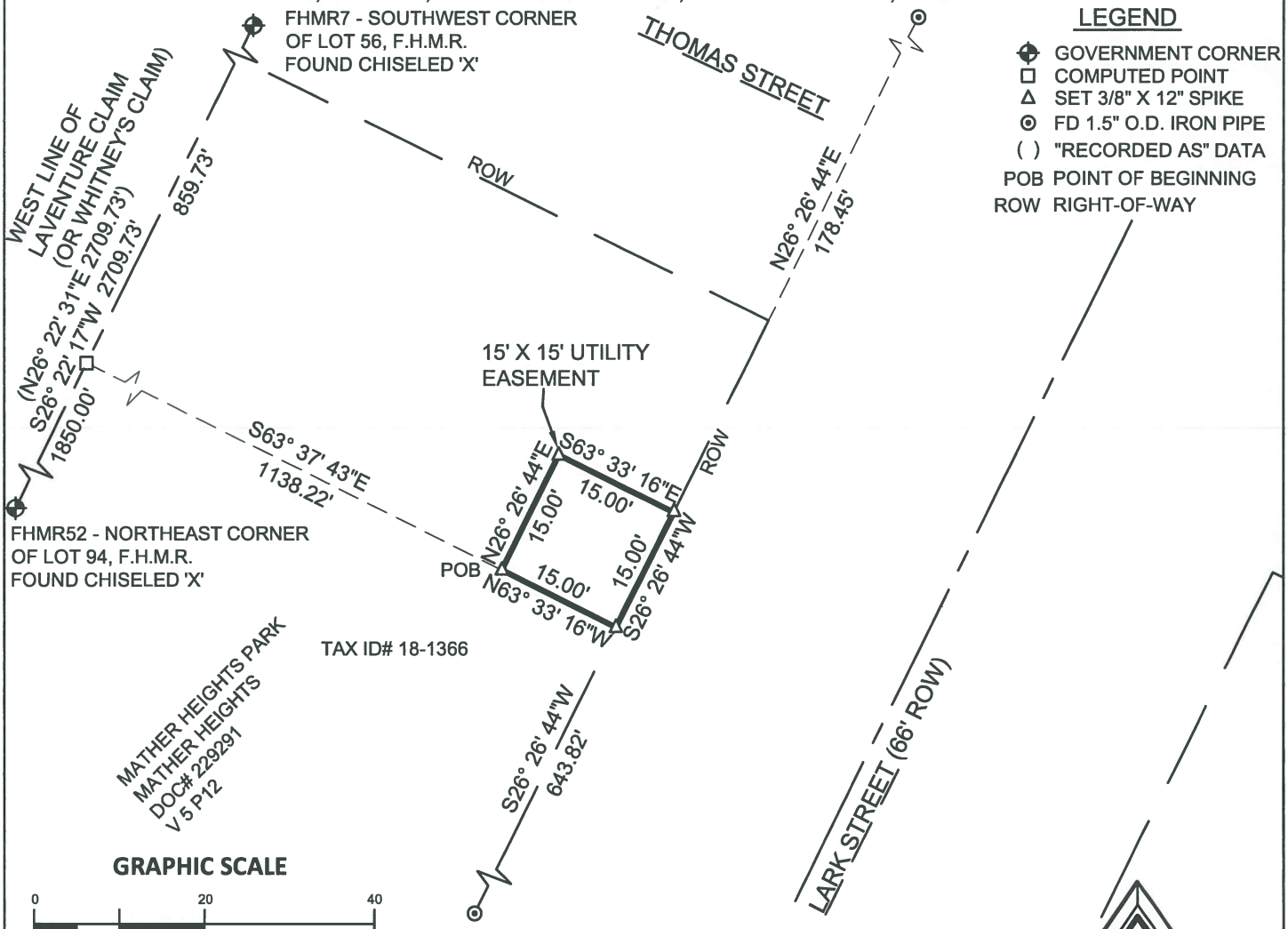


TDS

TILSON

EXHIBIT "A"

LOCATED IN PART OF MATHER HEIGHTS PARK OF MATHER HEIGHTS RECORDED AS DOCUMENT NO. 229291 IN VOLUME 5 PAGE 12, AND PART OF THE LAVENTURE CLAIM, W.S.F.R., CITY OF GREEN BAY, BROWN COUNTY, WISCONSIN



GRAPHIC SCALE

0 20 40

1 inch = 20 ft.

Legal Description for TDS Easement:

Located in part of Mather Heights Park of Mather Heights recorded as Document No. 229291 in Volume 5 Page 12, and part of the Laventure Claim, W.S.F.R., City of Green Bay, Brown County, Wisconsin, more particularly described as follows:

Commencing at the Southwest Corner of Lot 56 of Fort Howard Military Reserve (FHMR); thence South 26 degrees 22 minutes 17 seconds West along the West Line of said Laventure Claim, a distance of 859.73 feet; thence South 63 degrees 37 minutes 43 seconds East, a distance of 1138.22 feet to the Point of Beginning; thence North 26 degrees 26 minutes 44 seconds East parallel to the West Right-of-Way (ROW) Line of Lark Street, a distance of 15.00 feet; thence South 63 degrees 33 minutes 16 seconds East perpendicular to said West ROW Line, a distance of 15.00 feet to said West ROW Line; thence South 26 degrees 26 minutes 44 seconds West along said West ROW Line, a distance of 15.00 feet; thence North 63 degrees 33 minutes 16 seconds West perpendicular to said West ROW Line, a distance of 15.00 feet to the Point of Beginning.

Bearings are referenced to the WISCRS, Brown County, NAD 83 (2011) and referenced to the West Line of the Laventure Claim, WSFR, measured as S26° 22' 17"W

WISCONSIN
PRESTON A. LIPTACK
S-3063
KRONENWETTER, WI
LAND SURVEYOR
3-2-2022

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800.465.8050

FEBRUARY 28, 2022

TC-210913040

Report to the
Parks Committee
of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # P.5

To approve the renewal of a 10-year lease agreement with Graymont for the north Leicht Memorial Park property contingent upon the Law Department review and approval of the agreement.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. Leicht Park Lease
2. Leicht Park Air Photo

AMENDED AND RESTATED
LEASE AGREEMENT

This Amended and Restated Lease Agreement (the "Lease") dated as of the 28th day of February, 2014 is by and between Graymont Western Lime Inc., a Wisconsin corporation (f/k/a Western Lime Corporation) ("Graymont") and the City of Green Bay, a Wisconsin municipal corporation ("City") for the lease of property described herein under the terms and conditions set forth below.

WHEREAS, Graymont and the City entered into an Amended and Restated Lease Agreement dated June 6, 2006 (the "Original Lease") providing for the lease of certain land owned by Graymont and located on the Fox River in the City of Green Bay; and

WHEREAS, the Original Lease is currently set to expire on February 28, 2014 and the City is desirous of extending the term of thereof; and

WHEREAS, Graymont and the City intend that this Lease shall supersede and replace the Original Lease in its entirety, except for obligations of the City that survive the termination of the Original Lease.

NOW, THEREFORE, IN CONSIDERATION of the mutual covenants and agreements of the parties as herein set forth, the parties hereto agree as follows:

1. Graymont agrees to lease to the City the property legally described as set forth in attached Exhibit A-1 and illustrated in Exhibit A-2 of this agreement (the "Leased Land") subject to the terms and conditions of this Lease. The Leased Land area is approximately 4.49 acres.

2. The term of this Lease shall be for a period of 15 years, commencing on March 1, 2004 and expiring February 28, 2019; provided that, the term of this Lease shall continue until February 29, 2024 if Graymont does not give written notice of termination to the City by February 28, 2017.

3. The City agrees to pay to Graymont annual lease payments equal to the taxes, stormwater runoff fees, and such other assessments or charges which are proportionately attributable to the Leased Land for such year and levied or accrued during the term of this Lease. Taxes will be calculated based upon the actual tax bill for each year during the term of this Lease. Said payment shall be paid to Graymont on or before December 1st of each year beginning in 2004.

4. It is not the intent of the City to condemn this property through or by virtue of this Lease. The City intends to use the Leased Land to hold festivals and other City activities. The City's change of use or lack of use of the Leased Land shall not terminate this Lease. Any change of use shall require Graymont's written approval in advance. The City shall comply at all times with all local, state and federal laws, as applicable to City's use of the Leased Land.

5. The City has the permission of Graymont to perform landscaping to the Leased Land at the City's expense during the term of this Lease. The City shall obtain prior written consent of Graymont for any structural improvements or work involving earthmoving or grading activities to the Leased Land. All improvements, structural or otherwise, will be made at City expense. Upon expiration or termination of this Lease, the City will remove any structural improvements from the Leased Land if so requested by Graymont and restore the Leased Land to grade; provided, however, City shall have at least six months to accomplish such removal and restoration.

6. The City covenants and agrees with Graymont that during the entire term of this Lease the City will indemnify and save harmless Graymont against any and all claims, debts, demands or obligations which may be made against Graymont or against Graymont's title in the premises arising by reason of any acts or omissions of the City, its officers, agents, employees or invitees in occupying the Leased Land; and not any acts or omissions of Graymont, its officers, agents or employees; and if it becomes necessary for Graymont to defend any action seeking to impose any such liability, the City will pay Graymont all costs of court and reasonable attorneys' fees incurred by Graymont in such defense, in addition to any other sums which Graymont may be called upon to pay by reason of the entry of a judgment or decree against Graymont in the litigation in which such claim is asserted. And to this end, the City further contracts and agrees to procure and carry at its own expense insurance against all such liability in a sum no less than $1,000,000.00 for injury to one person or one accident; $3,000,000.00 for injury to two or more persons; and $500,000.00 property damage. The City shall cause said insurance policy or policies to specifically name Graymont as an insured and furnish Graymont with a certificate of said policy or policies. The City shall not do or permit any act or thing that shall render such policy invalid or which shall affect the validity thereof. If the City fails or neglects to carry such insurance as herein provided and to pay all insurance premiums therefor, or if said policy of insurance shall be cancelled for any cause whatsoever and the City does not promptly obtain other insurance prior to or simultaneously with such cancellation, Graymont may affect such insurance in its own name to the extent herein provided and pay the premium therefor, and any sums paid by Graymont for said premiums shall be deemed additional rent hereby reserved and shall be payable by the City on demand of Graymont, together with interest at the rate of ten percent (10%) per annum.

In addition to the insurance herein required to be furnished by the City, the City agrees that it will secure such insurance as may be necessary to provide protection and coverage against the happening of a catastrophe in an amount of at least $5,000,000.00. Such insurance may be in the form of an "umbrella" policy, it being the intent hereof that the interest of Graymont and the City shall be protected against the happening of a catastrophe wherein the damages sustained exceed the amount of insurance coverage provided for herein.

7. Except if caused directly by the negligence of the Graymont (or any person for whom Graymont is responsible at law), Graymont will not be liable nor responsible in any way for any injury of any nature whatsoever that may be suffered or sustained by the City or any employee, agent or customer of the City or any person the City allows or tolerates to use or to have access to the Leased Premises or for any loss of or damages to any property.

court of competent jurisdiction to be illegal, null or void or against public policy, the remaining portions of this Lease shall not be affected thereby and shall remain in force and effect to the fullest extent permissible by law.

14. This Lease, effective as of March 1, 2004, amends and restates, in its entirety, that certain Amended and Restated Lease Agreement by and between the parties, dated as of June 6, 2006, and any prior agreements of the parties regarding use of the Leased Land.

IN WITNESS WHEREOF, the parties hereto have executed this Lease effective as stated above.

GRAYMONT WESTERN LIME INC.

Authorized Signatory

Authorized Signatory

CITY OF GREEN BAY

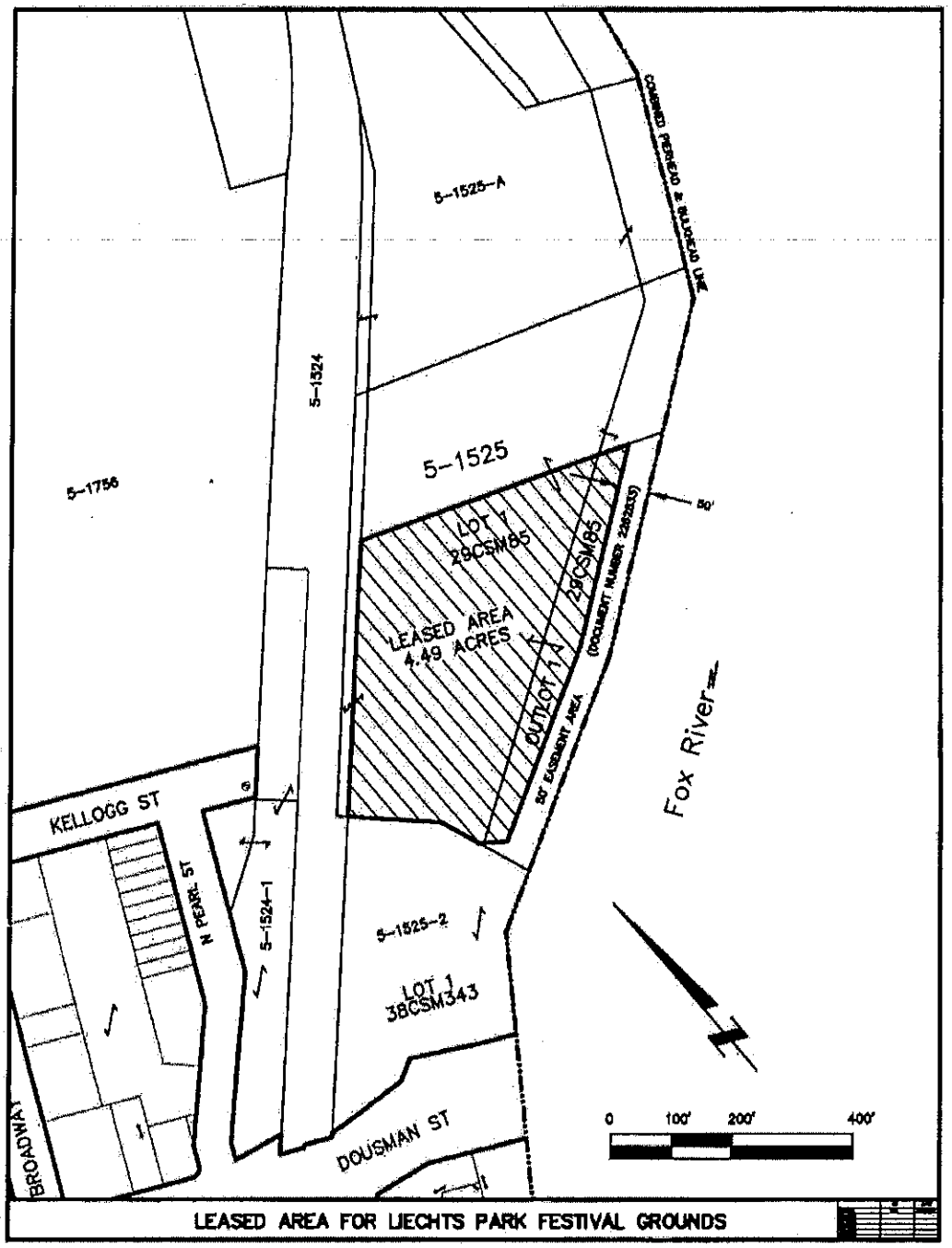
James J. Schmitt, Mayor

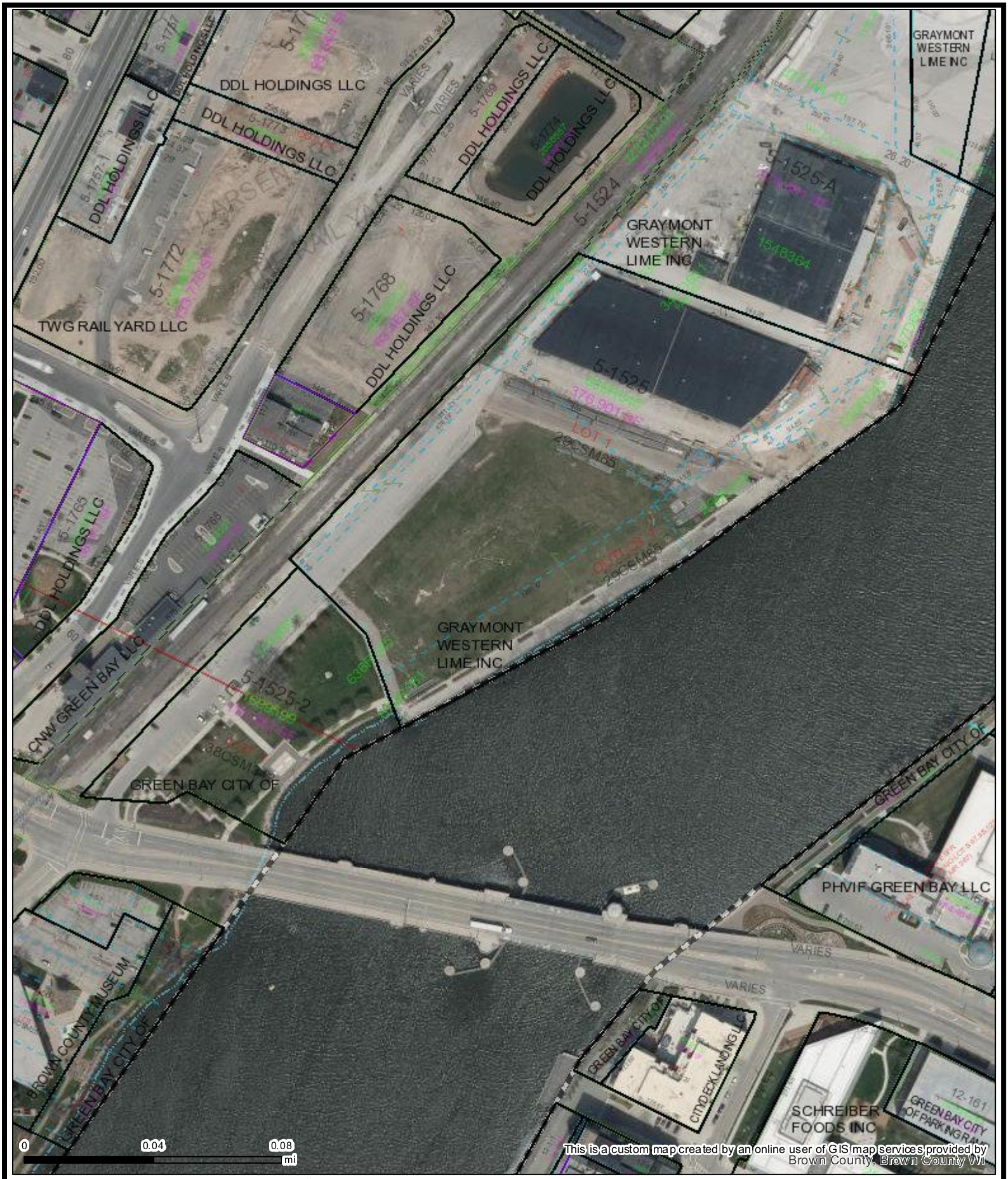
Kris Teske, Clerk

029712-0001\11911716.1

Exhibit A-2

LEASED PROPERTY MAP





This is a custom map created by an online user of GIS map services provided by Brown County. Brown County WI

Part of Brown County WI

Map printed on 3/8/2022

1:2,400
1 inch = 200 feet*
1 inch = 0.0379 miles*
original page size: 8.5"x11"
Appropriate format depends on zoom level

Parcel ownership key

- Parcel Boundary
- Condominium
- Gap or Overlap

"hooks" indicate parcel ownership crosses a line

- Parcel line
- Right of Way line
- Meander line
- Lines between deeds or lots
- Historic Parcel Line
- Vacated Right of Way

A complete key (legend) is available at:
tinyurl.com/BrownDogLegend

Brown County Planning & Land Services
(920) 448-6480
www.browncountywi.gov

Report to the
Parks Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # P.6

To approve a resolution supporting construction of an additional portion of the West Side Trail to connect it to the Mountain-Bay State Trail.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. Resolution - Support TAP Grant Application
2. DOT Application West Side Trail

RESOLUTION SUPPORTING CONSTRUCTION OF AN ADDITIONAL PORTION OF THE WEST SIDE TRAIL TO CONNECT IT TO THE MOUNTAIN-BAY STATE TRAIL

March 15, 2022

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY:

WHEREAS the City of Green Bay values opportunities for residents to engage in recreational activities, to enjoy nature, and to safely explore its many parks and trails; and

WHEREAS there are numerous bicycle and pedestrian trails throughout the City, which serve to improve safety for local and regional bicyclists and pedestrians and to improve the City's multimodal infrastructure; and

WHEREAS the Sergeant Benjamin Edinger Corridor/West Side Trail is the main bicycle/pedestrian thoroughfare on the West side of Green Bay; and

WHEREAS the West Side Trail currently ends .7 miles short of connecting to the 83-mile long regional Mountain-Bay State Trail in the Village of Howard; and

WHEREAS the City of Green Bay desires to construct an expansion of the West Side Trail in order to directly connect it to the regional trail and thereby provide a safer route for bicyclists and pedestrians to continue their journeys from one trail to the other; and

WHEREAS City staff has submitted an application for the Wisconsin DOT Transportation Alternatives Program (TAP) grant to assist in funding this project;

NOW, THEREFORE, BE IT RESOLVED that the Common Council for the City of Green Bay supports the proposed project to expand the West Side Trail an additional approximately .7 miles to connect to the Mountain-Bay State Trail, and further supports the City's application for the DOT TAP grant.

Adopted _____

Approved _____

_____
Eric Genrich, Mayor

_____
Celestine Jeffreys, Clerk

WisDOT 2022-2026
Transportation Alternatives Program (TAP) Application
http://wisconsindot.gov/Pages/doing-bus/local-gov/astnce-pgms/aid/tap.aspx

Review and utilize TAP guidelines and application instructions when completing this document.

As discussed in the WisDOT TAP Guidelines, this application will go through a two-step process. The first step will be an assessment by the region as to eligibility and whether or not the project will be able to meet the rigorous, statutorily mandated commencement deadline. The second step will be an assessment of the relative merits of the application compared to other eligible applications. **Applicants will be notified if their application is found ineligible.**

Application Type

Select one and only one box for the application type. Please note that projects which are within the boundaries of a TMA will need to either compete locally within the MPO or as part of the Statewide solicitation. Refer to this map (http://wisconsindot.gov/Documents/doing-bus/local-gov/plning-orgs/map.pdf) for more information about the TMA areas.

- ☐ Appleton Area Metropolitan Planning Organization (MPO) –
- ☒ Green Bay MPO
- ☐ Madison Area MPO
- ☐ Southeastern Wisconsin Regional Planning Commission (Milwaukee OR Round Lake Beach)

If none of the above, project application is from:

- ☐ Area with population between 5,000 and 200,000
- ☐ Area with population of 5,000 or less
- ☐ Region-wide: % of population within a TMA area
  % of population between 5000 and 200,000

Project Applicant

Name, Location of Public Sponsor and Sponsor Type:

Sponsor Name: **City of Green Bay**
Sponsor Type (Check appropriate box):
Local government (check one): ☐ County ☒ City ☐ Village ☐ Town

- ☐ Regional transportation authority ☐ Transit agency
- ☐ State or federal natural resource/public land agency
- ☐ School district or school(s)
- ☐ Non-Profit entities responsible for administration of local transportation safety programs
- ☐ Tribal Nation

Project Title: **SGT. Benjamin Edinger Corridor/West Side Trail - Bond St. to N. Taylor St.**
Describe location, boundaries and length of the project: **0.7 miles long proposed trail, bordered by Bond St and N Taylor St running through parcels 6-61-A an 6-60-1; concrete sidewalk extended 395 LF along Bond St**
County: **Brown**
Street Address of Project (if located on a highway or road): **N/A**

Note: For infrastructure projects, attach an electronic project location map in PDF Format, size 8½ by 11.

Project Contact

Primary Public Sponsor Agency Contact Information:

Name: **Daniel Ditscheit** Title: **Parks, Recreation, & Forestry Director** Street Address: **100 N. Jefferson St., Room 510** Phone: **(920)448-3381**
Municipality: **City of Green Bay** State: **WI** Zip: **54301**

Secondary E-mail: **Dan.Ditscheit@greenbaywi.gov**

Secondary Public Sponsor Agency or Private Organization Contact Information (if applicable):

Organization / Agency Name: **City of Green Bay**
Name: **Emma Browne** Title: **Civil Engineer** Street Address: **100 N. Jefferson St., Room 510** Phone : **(920) 448-3383**
Municipality: **City of Green Bay** State: **WI** Zip: **54301**
E-mail: **Emma.Browne@greenbaywi.gov**

Head of the Local Public Sponsor Agency or Private Organization Contact Information:

Organization / Agency Name: **City of Green Bay**
Name: **Eric Genrich** Title: **Mayor** Street Address: **100 N. Jefferson St.** Phone : **(920) 448-3005**
Municipality: **City of Green Bay** State: **WI** Zip: **54301**
E-mail: **Eric.Genrich@greenbaywi.gov**

MPO, if applicable

Select one, if applicable,

- ☐ Bay Lake RPC (Sheboygan),
- ☒ Brown County Planning Commission (Green Bay)
- ☐ Chippewa-Eau Claire MPO (WCWRPC – Eau Claire)
- ☐ Duluth/Superior Metropolitan Interstate Committee (Superior)
- ☐ East Central Wisconsin RPC (Appleton, Oshkosh)
- ☐ Fond du Lac MPO (Fond du Lac)
- ☐ Janesville MPO (Janesville)
- ☐ La Crosse Area Planning Committee (La Crosse)
- ☐ Madison Area MPO (Madison)
- ☐ Marathon County MPO (Wausau)
- ☐ Southeastern Wisconsin RPC (SEWRPC - Waukesha)
- ☐ Stateline Area Transportation Study (Beloit)

Refer to this map (http://wisconsindot.gov/Documents/doing-bus/local-gov/plning-orgs/map.pdf) for more information about the TMA areas.

MPO Project Prioritization

If an MPO is submitting more than one project in an urbanized area within an MPO, the sponsor must rank each project in priority order, e.g., 1 (highest priority) to 5 (lowest), for the local priority among five projects. Local ranking will be used as a guide in project selection. **Project Priority:**

Please Note: MPO Project Prioritization is due by January 28, 2022.

Project Activity

TAP Eligibility Category:

Indicate which **ONE** of below categories best identifies the proposed project:

- ☒ Bicycle-Pedestrian Facilities: construction, planning, and design of on-road and off-road trail facilities for pedestrians, bicyclists and other non-motorized forms of transportation **(this category includes on-road bicycle lanes, sidewalks, etc.)**
- ☐ Safe routes for non-drivers, including children, older adults, and individuals with disabilities
- ☐ Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, or other non-motorized transportation users
- ☐ Construction of turnouts, overlooks, and viewing areas
- ☐ Historic preservation and rehabilitation of historic transportation facilities
- ☐ Safe Routes to School (SRTS) (this category includes infrastructure and non-infrastructure activities)
  NOTE: Applicants proposing a project within the SRTS eligibility category MUST complete the 'School Demographics' and 'Safe Routes to School Plan' sections on page A-5 below.

Project Summary (400 words or less). Please copy and paste your response from a Word Document.
Applicants must fill out the project summary field below. This summary is also the first question in the narrative section.

The Sergeant Benjamin Edinger Corridor/ West Side Trail is the main bicycle/pedestrian thoroughfare within the west side of Green Bay. Located in an abandoned railroad ROW, the asphalt, multi-use trail is 1.14 miles long and 10' wide. The trail is currently .7 miles short from connecting to the regional Mountain-Bay State Trail in the Village of Howard which is 83 miles long and ends in Weston, near Wausau.

The railroad northwest of Military Avenue is still active. Therefore, the City is not able to continue developing the trail to the northwest within the railroad property. Instead, the City would like to make the connection through ROW and easements. The Green Bay School District and Bay City Baptist Church have both agreed to grant trail easements to accommodate this trail expansion project. The City is currently working with both entities to finalize the easement language and to select the final trail easement locations. The desire is to bring trail users away from the road and through a natural area, which will be safer and also a more direct route. The City recently completed a wetland delineation of both the School and Church sites. We are now in the process of coordinating a meeting with the DNR to finalize the proposed trail location, taking the wetlands into consideration. Once the DNR agrees to the final trail location, the easements will be finalized.

The scope of work for this trail construction will include building the 10' wide asphalt trail, enhanced pedestrian road crossings, sidewalk construction, striping a bike lane and stormwater management. There is a potential that a wetland fill permit will need to be obtained to run the trail through the natural area. A preliminary estimate for engineering the trail connection is $80,000 and $450,000 for construction. Funding from this grant would allow the City to construct the project, which would ideally be engineered for FY2025 and constructed in FY2026.

By creating this connection, there is a great opportunity to improve safety for local and regional bicyclists and pedestrians. In addition to connecting these trails, there is a desire to create a future southeast connection to the Fox River Trail in downtown Green Bay which is planned to connect to the regional East River Trail, Baird Creek Trail, bus routes, canoe/kayak launches and many area residences and businesses. Please consider helping to fund this project to improve the City's multimodal infrastructure.

Project Benefit

Check all applicable project benefits, then describe in application narrative:

- ☒ **ENVIRONMENTAL**
  - ☒ Increases likelihood of modal shift to biking, walking or transit from utilitarian car travel.
  - ☒ Increases access and connection to the natural environment.
- ☒ **PUBLIC HEALTH** - Project would have a demonstrable impact upon public health of applicant community.
- ☒ **ECONOMIC JUSTICE** - Project would go beyond community enhancement to address a specific "communities of concern," including elderly, disabled, minority, and low-income population? The project within close proximity of public parks, schools, libraries, public transit, employment and/or retail centers, and residential areas. The project improves low income access to transit, jobs, education, and essential services.
- ☒ **SAFETY** - Project addresses a specific safety concern. The project contains or addresses:
  - ☐ Collision data
  - ☒ Lack of adequate safe crossing or access
  - ☐ Lack of separated facility
  - ☒ High speed/volume
  - ☒ Provides sidewalk or pathway, with curb-cuts
  - ☒ Provides bike lanes, markings, and signage
  - ☒ Implements traffic calming measures
  - ☒ Signage and/or markings directed to safety concern
  - ☒ Provides crosswalk enhancement (striping, refuge island, signal, etc.)

  For SRTS Projects there is:
  - ☐ Documented bike/pedestrian crash involving school age children or crossing guard at arrival/dismissal times near the school.
  - ☐ Crossings of state highways, main arterial roads or other high speed or high traffic volume roads.
  - ☒ Lack of bicycle and pedestrian facilities or lack of connectivity of facilities that do exist.
  - ☐ High level of parental concern documented in survey data.
  - ☐ Few or no children who live within 1 mile walk or bike. Busing may be offered to everyone because of documented hazards.
  - ☒ Children are walking but application shows that unsafe conditions exist.
- ☐ **HISTORICAL AND/OR PRESERVATION SIGNIFICANCE** – Project would have strong historical or preservation benefit.
- ☒ **ECONOMIC DEVELOPMENT** – Project facilitates economic development by increasing bicycle/ pedestrian traffic in commercial corridors or by creating a destination that will help retail.

Local Resolution of Support

There is or there will be a local resolution of support for the proposed project, executed by a governing body that has the authority to make financial commitment on behalf of the project sponsor (i.e., County Board, City Council, or Regional Planning Commission Policy Board).

☒ Yes ☐ No

Please note that a resolution **will be required** for an application to be eligible, which means a **copy of the resolution** should be submitted to the **Region Local Program Manager** no later than **5:00 PM April 18, 2022.**

Existing Facilities & Projects that Impact the Proposed Project

Rail Facilities:

Does a railroad facility exist within 1,000 feet of the project limits? ☒ Yes ☐ No

If yes, specify: **Parallel**

If yes, does the project physically cross a rail facility? ☐ Yes ☒ No

Owner of Rail Facility: **WI Central LTD**

Will an easement from OCR be required? ☐ Yes ☒ No

Is the proposed project location in an area with known safety issues? ☒ Yes ☐ No

If yes, specify: **Safety Issues are identified in the Green Bay Safe Walk and Bike Plan. Concerns include lack of a high visiblity crossing, sidewalk and bike connectivity from Keller School to the SGT. Benjamin Edinger Corridor/West Side Trail** and (consider applying for Highway Safety Improvement Program (HSIP) funds if applicable)

Is this project on or parallel to a local road or street? ☒ Yes ☐ No

If Yes, provide the name of the road or street: **Bond Street**

Does this project cross a state or federal highway? ☐ Yes ☒ No

Does this project run parallel to a state or federal highway? ☐ Yes ☒ No

If Yes to any of these questions attach an existing typical cross-section of the roadway, showing right of way, travel lanes, shoulder and sidewalk (if applicable). Examples are available in FDM15-1-5 attachment 5.3 of the WisDOT facilities Development Manual.

Will this project be constructed as part of another planned road project? ☐ Yes ☒ No

If Yes, specify if this is a state, county, or local project and when the road project is scheduled for construction:

Will any exceptions to standards be requested? ☐ Yes ☒ No

If Yes, provide a brief description of the exceptions that may be requested:

Real Estate (RE) /Right of Way (ROW)

Was any real estate acquired or transferred in anticipation of this project? ☒ Yes ☐ No

If yes, please explain. **The City is in the process of finalizing easments with the Green Bay Area Public School District and Bay City Baptist Church, Inc. These entities and the City of Green Bay have agreed to easments but they have not been fully executed. If awarded the grant funding, the easments would be in place prior to work commencing.**

List any other funding (past or present) used within the proposed project limits (i.e. DNR Stewardship)

To date only City Bond funding has been used within the projects limits of this proposed grant. This funding was used to complete a wetland delineation and hire a surveyor to draft the proposed easement language.

Is the project on an existing right of way (ROW)? ☒ Yes ☐ No

(NOTE: It is recommended that local funds be used to acquire right of way)

If Yes, have you obtained a permit from the WisDOT Regional Office Maintenance Section to conduct work on the right of way? ☐ Yes ☒ No

Check all boxes that apply to ROW acquisition for this project:

☐	**None**	☐	**Less than ½ acre**	☒	**More than ½ acre**
☒	**Parklands**	☐	**Large parcels**	☐	**Temporary interests**

List any other funding (past or present) used within the proposed project limits (i.e. DNR Stewardship)

The City used $418,500 in State Budget Allocation and $139,500 of City Bonded money for the West Side Railroad Acquisition located from Oneida Street to Bond Street, just south of this grant project limits. For the West Side Trail Constructin Phase 1 - Oneida to Military the City used $223,217 of Community

Development Block Grant Funding and $60,678 of City Bonding. For the West Side Trail Construction Phase 2 - Miltary to Bond the City bonded $147,620. This proposed grant funded trail section will connect to these trail sections that were previously constructed.

If right of way was acquired in anticipation of this project, attach a detailed list of available, completed project and parcel acquisition documentation. Refer to Section 11.2, Records Management, found in the *Local Program Real Estate Manual (LP RE Manual):*
http://wisconsindot.gov/dtsdManuals/re/lpa-manual/lpa-manual-ch11.pdf.

PLEASE NOTE: Except for existing or new sidewalks, and existing bicycles or pedestrian pathways, State law prohibits the use of condemnation to establish or extend a recreational trail, a bicycle way, a bicycle lane, or pedestrian way. Refer to Section 6.3.5, Condemnation Limitations, found in the LP RE Manual:
https://wisconsindot.gov/dtsdManuals/re/lpa-manual/lpa-manual.pdf
If right of way was acquired in anticipation of this project, did the acquisition contain any buildings or relocation?
☐ Yes ☒ No

If yes, Please read Section 6.2, Relocation Assistance, found in the *LP RE Manual* to determine if relocation assistance was properly offered and documented: http://wisconsindot.gov/dtsdManuals/re/lpa-manual/lpa-manual-ch6.pdf

Does the project include the need for new ROW for a sidewalk, recreational trail, or bike/pedestrian way?
☒ Yes ☐ No

If right of way is required, acquisition will occur through a transfer of an adequate interest in real property.
☒ Yes ☐ No

For real estate questions, please contact Abigail Ringel, WisDOT Local Public Agency Real Estate Statewide Facilitator, at (414) 220-5461 or Abigail.Ringel@dot.wi.gov

Environmental/Cultural Issues

Agriculture	☐ Yes	☒ No	☐ Not Investigated
Comments:			
Archaeological sites	☐ Yes	☐ No	☒ Not Investigated
Comments:			
Historical sites	☐ Yes	☐ No	☒ Not Investigated
Comments:			
Designated Main Street area	☐ Yes	☒ No	☐ Not Investigated
Comments:			
Lakes, waterways, floodplains	☐ Yes	☒ No	☐ Not Investigated
Comments:			
Wetland	☒ Yes	☐ No	☐ Not Investigated
Comments: **Delineation has been completed**			
Storm water management	☒ Yes	☐ No	☐ Not Investigated
Comments:			
Hazardous materials sites	☐ Yes	☒ No	☐ Not Investigated
Comments:			

Hazardous materials on existing structure Comments:	☐ Yes	☒ No	☐ Not Investigated
Upland habitat Comments:	☐ Yes	☐ No	☒ Not Investigated
Endangered/threatened/migratory species Comments:	☐ Yes	☐ No	☒ Not Investigated
Section 4(f) Comments:	☐ Yes	☐ No	☒ Not Investigated
Section 6(f) Comments:	☐ Yes	☐ No	☒ Not Investigated
Through/adjacent to tribal land Comments:	☐ Yes	☒ No	☐ Not Investigated

Miscellaneous Issues

Construction Schedule Restrictions (trout, migratory bird, local events): **None known**

Local Force Account (LFA): Will the proposed project utilize municipal employees to complete any portion of the construction activities? ☐ Yes ☒ No

If yes, explain the desired LFA portion of the project.

NOTE: LFA work must include labor, equipment and materials. The purchase of materials only is not considered to be a legitimate project.

NOTE: Please review WisDOT TAP Guidelines for restrictions on certain LFA work as of July 1, 2015.

Maintenance (only complete this section if project application involves a trail project):

Will the facility be snowplowed in the winter? ☒ Yes ☐ No

Comment:

If no to the above question, will the trail allow snowmobile use in the winter? ☐ Yes ☐ No

Comment:

Anticipated fee for trail use: ☐ Yes ☒ No

Comment:

Anticipated equestrian use on trail: ☐ Yes ☒ No

Comment:

Other Concept Notes: Provide any additional relevant project information that has not been covered in another section of the application.

School Demographics (Complete ONLY if submitting a project within the SRTS Programming / Planning eligibility category)

What are the name(s) and demographics for <u>each</u> school affected by the proposed program or project?

<u>Optional</u>: Alternatively, SRTS project applicants may submit a narrative response detailing school demographics provided that all fields below are answered in such attachment.

School name: School population: Grades of students at school:

Estimated number of students currently walking to school (if known):

Estimated number of students currently biking to school (if known):

Does the school have any policies related to walking or biking?

Distance eligibility for riding a bus: Number of children not eligible for busing:

Number of students eligible for busing because of a hazard situation:

Percentage of students living within one mile of the school:

Percentage of students living within two miles of the school:

Percentage of students eligible for free or reduced-cost school meals:

Community(s) served by school: Community(s) population:

Safe Routes to School Infrastructure (Complete ONLY if submitting a project within the SRTS eligibility category)

Does your school or community have a Safe Routes to School plan? ☐ Yes ☐ No

If yes, can it be viewed online? ☐ Yes, the website address is ☐ No, it is attached with the application.

If no; **in no more than 400 words**, attach a Word document describing any SRTS-related planning efforts undertaken by the school or community.

CONFIDENTIAL INFORMATION

Project Costs, Priorities, and State Fiscal Years:

NOTE: Do not include pages A-7 and A-8 in the Concept Definition Report (CDR) for approved TAP projects.

Complete the table below for the appropriate fiscal years of the application/project cycle (2022-2026). If a sponsor proposes to construct a project in phases throughout multiple years, schedule the project costs as appropriate and provide further details in the project description.

In addition to the table below, **attach a detailed breakdown of project costs in Microsoft Excel.** This detailed breakdown must clarify assumptions made in creating the budget such that a third-party reviewer would be able to substantiate the assumptions.

Submit a separate application and budget for each project or stand-alone project segment for which you are willing to accept funding, or for a bike trail section that could function as a separate facility. Project requests are not considered for partial funding.

Applicants may work with the Local Program Manager within their region for assistance to more accurately estimate costs. All estimates will be reviewed by WisDOT Region staff for consistency with current practices and approaches. Also, WisDOT Region staff may revise estimates in these categories due to the complexity of the project or other factors. WisDOT will notify the sponsor of any changes to estimates within the application and determine whether the sponsor wishes to continue with the application with the revised estimate.

NOTE: Requesting design and construction projects in the same fiscal year is not allowed.

Project Prioritization

If a sponsor is submitting more than one project the sponsor must rank each project in priority order, e.g., 1 (highest priority) to 5 (lowest), for the local priority among five projects. Local ranking will be used as a guide in project selection. **Project Priority: This project is priority 1 of 2 for the CIty of Green Bay.**

☒ **Design:**

☐ 100% Locally Funded (state review is required to be included as 100% locally funded) **OR**

☒ 80% Federally Funded ("state review only" projects are not allowed)

☐ FY 2023 ☒ FY 2024 ☐ FY 2025

NOTE: Requesting design and construction projects in the same fiscal year is not allowed.

	Total Funding	Federal Funding	Local Funding
A. Design Plan Development	$**78,775**	$**63,020**	$**15,755**
B. State Review for Design (provided by WisDOT Region)	$**7,320**	$**5,856**	$**1,464**
Total Design Cost Estimate with State Review (sum lines A and B)	$**86,095**	$**68,876**	$**17,219**

☒ **Construction:**

Basis for Construction Estimate: ☒ Itemized ☐ Per Square Foot ☐ Past Projects
☐ Other, please specify:

Schedule Preference: ☐ FY 2024 ☐ FY 2025 ☒ FY 2026

	Total Funding	Federal Funding	Local Funding
Total Participating Construction Cost	$**452,596.64**	$**362,077.31**	$**90,519.33**
Total Non-Participating Construction Cost	$	$0	$
A. Subtotal Construction Costs	$**452,596.64**	$**362,077.31**	$**90,519.33**
B. Construction Engineering Costs (Coordinate with WisDOT Region)	$**67,889.50**	$**54,311.60**	$**13,577.90**
C. State Review for Construction (Provided by WisDOT Region)	$**9,240**	$**7,392**	$**1,848**
Total Construction Cost Estimate with Construction Engineering and State Review (sum lines A, B and C)	$**529,726.14**	$**423,780.91**	$**105,945.23**

☐ **Real Estate:** (Recommend funding with local funds.)

☐ FY 2023 ☐ FY 2024 ☐ FY 2025

Total Real Estate Cost (round to next $1,000) **$**

☐ **Utility:** (Compensable utility costs must be $50,000 minimum per utility. Recommend funding with local funds.

☐ FY 2023 ☐ FY 2024 ☐ FY 2025 ☐ FY 2026

Total Utility Cost (round to next $1,000) **$**

☐ **Other:** (Planning or SRTS Non-Infrastructure Programming):

☐ FY 2023 ☐ FY 2024 ☐ FY 2025 ☐ FY 2026

Total Other Cost (round to next $1,000) **$**

NOTE: WisDOT Policy link: http://wisconsindot.gov/rdwy/fdm/fd-18-01.pdf.

NOTE: WisDOT Region staff may revise estimates in the Plan Development, State Review for Design, and State Review for Construction categories based on the complexity of the project or other factors.

Narrative Response

Provide a narrative response attachment answering questions 1 through 6, making sure to provide information in response to each sub-question. Please limit the response to three (3) double-spaced pages, using a **minimum 11-point font size and a 1-inch margin**.

1. PROJECT DESCRIPTION AND OVERVIEW.

This is the summary from page A-3 of the application. It is a general overview of the project, including type of facility or project, location (please attach a location map or maps) and any other information about the project. It is brief. Limited to about 400 words.

2. PROJECT PLANNING & PREPARATION & LOCAL SUPPORT

Describe the degree to which this project was planned for and the local support and commitment for the project. If this project is part of a plan, describe that plan and the project's priority in that plan. If this is a planning project describe how this project will be integrated into other efforts. For SRTS projects, describe walk/ bike audits, parent surveys and data on crashes that support the selection of this project. Provide data that supports the selection of your project.

3. PROJECT UTILITY & CONNECTIVITY

For Infrastructure Projects

Describe the degree to which this project serves utilitarian rather than recreational purposes and how, if at all, the project adds connectivity to the state's multi-modal transportation network, including bicycle, pedestrian and transit facilities. Make specific reference to distance between modal connections and destinations. Describe how, if at all, the proposed project would connect to these existing land uses: park, school, library, public transit, employment and/or retail centers, residential areas, other. Describe how this project fills a multimodal gap or serves as a backbone to a local multimodal network.

For Planning Projects

Implementation of plan would serve a broad geographic area and adds connectivity to the state's multimodal transportation network. Describe how this project fills a multimodal gap or serves as a backbone to a local multimodal network.

For Safe Routes to School Programming Projects

Will the project get a higher percentage of children walking and biking to school - addresses clear safety problems for children already walking/biking. Address the following desired outcomes: reduction in parent concerns that keep them from allowing children to walk/bike; potential for changes in hazard busing; change in policy limiting walking/biking to school; increased school commitment to promoting walking/biking; improved driver behaviors in the school zone; making it more appealing for children to walk/bike; more law enforcement participation in walking/biking issues

4. PROJECT BENEFIT– ENVIRONMENTAL, LIVABLITY, ECONOMIC JUSTICE, PUBLIC HEALTH, HISTORICAL PRESERVATION, & SAFETY

Describe the benefits likely derived from the proposed project, this description should correspond to the project benefit section on page A-3.

NOTE: A TAP projects should contribute to a community benefit. Projects that contributes to more than one benefit or have significant impact on a particular benefit will receive more points.

5. HISTORY OF SPONSOR SUCCESS, DELIVERABILITY AND COMMITMENT TO MULTIMODAL

How will the project be implemented on time? What obstacles or problems must be overcome to implement this project, and in light of project obstacles, describe how the project sponsor will comply with state law and policy requiring project commencement within four years of the award date, and project completion within approximately six years? Please describe prior experience with other multimodal projects and success in delivering those projects in the year in which they were scheduled. For example, were you able to deliver the project in the year it was programmed? Have you ever had to turn back awarded federal funds? Please explain. If problems were experienced in the past, what will be done on this project to ensure successful completion? Describe the project sponsor's commitment to multimodal programs and facilities generally like a complete streets ordinance, advisory committees, or inclusion of multimodal accommodations in any other local program projects.

Key Program Requirements Confirmation

Please confirm your understanding of the following project condition by **typing your name, title and initials** at the bottom of this section. **A Head of Government/Designee with fiscal authority for the project sponsor must initial this section and sign this application. Sponsor consultant(s) should not initial or sign project applications.**

WisDOT will deem ineligible any application that does not provide confirmation to this section.

a. Private organizations proposing projects must have a public project sponsor such as a local government unit.

b. The project sponsor or private partner must provide matching dollar funding of at least 20% of project costs.

c. This is a reimbursement program. The project sponsor must finance the project until federal reimbursement funds are available.

d. The project sponsor will pay to the state all costs incurred by the state in connection with the improvement that exceed federal financing commitments or other costs that ineligible for federal reimbursement. In order to guarantee the project sponsor's foregoing agreements to pay the state, the project sponsor, through its duly executed officers or officials, agrees and authorized the state to set off and withhold the required reimbursement amount as determined by the state from any monies otherwise due and payable by the state to the municipality.

e. The project sponsor must not incur costs for any phase of the project until that phase has been authorized for federal charges and the WisDOT Region has notified the sponsor that it can begin incurring costs. Otherwise, the sponsor risks incurring costs that will not be eligible for federal funding.

f. The project sponsor will follow the applicable federal and state regulations required for each phase of the project. Some of these are described in the Guidelines. The requirements include, but are not limited to, the following: a Qualifications Based Selection (QBS) process for design and engineering services (Brooks Act); real estate acquisition requirements of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 and amendments; competitive procurement of construction services; Davis-Bacon wage rates on federal highway right-of-way projects; WisDOT FDM & Bicycle Facilities Handbook; ADA regarding accessibility for the disabled; MUTCD regarding signage; U.S. Department of the Interior standards for historic buildings. Each WisDOT Region can provide copies of the current *Sponsor's Guide to Non-Traditional Transportation Project Implementation*, and references for sections of the Facilities Development Manual (FDM) and other documents necessary to comply with federal and state regulations. **Applicants who plan to implement their projects as Local Let Contracts using the Sponsor's Guide must become certified that they are capable of undertaking these projects.**

g. If applying for a bicycle facility, it is understood that All Terrain Vehicles (ATVs) are not allowed. Snowmobile use is only allowable by local ordinance. Trail fees may only be charged on a facility if the fees are used solely to maintain the trail. WisDOT reserves the right to require that facilities be snowplowed as part of a maintenance agreement where year-round use by bicyclists and pedestrians is expected.

h. The project sponsor agrees to maintain the project for its useful life. Failure to maintain the facility, or sale of the assets improved with FHWA funds prior to the end of its useful life, will subject the sponsor to partial repayment of federal funds or additional stipulations protecting the public interest in the project for its useful life.

i. If the project sponsor should withdraw the project, it will reimburse the state for any costs incurred by the state on behalf of the project.

j. The project sponsor agrees to state delivery and oversight costs by WisDOT staff and their agents. These costs include review of Design and Construction documents for compliance with federal and state requirements, appropriate design standards, and other related review. These costs will vary with the size and complexity of the project. The sponsor agrees to add these costs to the project under the same match requirements 80% / 20% match requirements.

k. Projects that are fully or partially federally funded must be designed in accordance with all applicable federal design standards, even if design of the project was 100% locally funded.

l. As the project progresses, the state will bill the project sponsor for work completed that is ineligible for federal reimbursement. Upon project completion, a final audit will determine the final division of costs as between the state and the project sponsor. If reviews or audits reveal any project costs that are ineligible for federal funding, the project sponsor will be responsible for any withdrawn costs associated with the ineligible work.

m. ***For 100% locally-funded design projects, cots for design plan development and state review for design are 100% the responsibility of the local project sponsor. Project sponsors may not seek federal funding only for state review of design projects.

n. The project sponsor acknowledges that the requisite project commencement requirement and that failure to comply with the applicable commencement deadline will jeopardize federal funding. Commencement is within four years of the date of the project award. The project must be commenced within four (4) years of the project award date according to Sec. 85.021, Wis. Stats. For construction projects, a project is commenced when construction is begun. For planning projects, a planning project is commenced when the planning study is begun. For non-infrastructure projects that do not fall within any of the above categories, a project is considered commenced on the date that WisDOT receives the first reimbursement request from the project sponsor, as noted on form DT1713 in the 'Date Received' field.

o. The project sponsor acknowledges that the requisite project completion timeline for approved TAP projects will be memorialized in a state-municipal agreement, and failure to comply with the applicable project timeline will jeopardize federal funding.

p. Federally-funded transportation construction projects, with the exception of sidewalks, are likely improvements that benefit the public at large. Improvements of this type cannot generally be the basis of levying a special assessment pursuant to Wis. Stat. § 66.0703. Municipalities who wish to obtain project funding via special assessment levied against particular parcels should seek advice of legal counsel. See Hildebrand v. Menasha, 2011 WI App. 83.

Please confirm your understanding of the following project condition by typing your name, title and initials at the bottom of this section. A Head of Government/Designee with fiscal authority for the project sponsor must initial this section and sign this application. Sponsor consultant(s) should not initial or sign project applications.

I confirm that I have read and understand project conditions (a) through (o) above:

Name: *Daniel Ditscheit* Title: *Parks, Recreation and Forestry Director*

Accepted (please initial here): DD

Fiscal Authorization and Signature

Application prepared by a consultant? ☐ Yes ☒ No
If yes, consultant information and signature required below.

Consultant Company Name: Company Location (City, State):

Consultant Signature (electronic only)**:** **Date:**

NOTE: On Local Program projects, it is not permissible for a consultant to fill out applications gratis (or for a small fee) for a municipality and then be selected to do the design work on a project **unless** the municipality either:

a.) uses a one-step QBS process with the scope of work to include the grant application and the design services, if authorized; or

b.) uses a two-step QBS process with the scope of work for the first selection for the preparation of the grant application(s) and the second selection for the actual design(s).

In either case, all costs incurred prior to WisDOT project authorization are the responsibility of the municipality. See FDM 8-5-3 for additional information: https://wisconsindot.gov/rdwy/fdm/fd-08-05.pdf#fd8-5-3

Sponsor Agency: **City of Green Bay**

Contact Person: **Daniel Ditscheit** (Note: must be Head of Government or Designee)

Title: **Parks, Recreation and Forestry Director**

Address: **100 North Jefferson Street, Room 510**

Telephone: **(920) 448-3381**

Email: **Daniel.Ditscheit@greenbaywi.gov**

Only one project sponsor is allowed per project. As a representative of the project sponsor, the individual that signs below is confirming that the information in this project application is accurate. A local official, not a consultant, must sign the application. I understand that completion of this application does not guarantee project approval for federal funding.

Head of Government/Designee Signature (electronic only)**:** ***Daniel Ditscheit*** **Date: 1/28/2022**

Application and Attachments Checklist

Submit applications and attachments utilizing the contact information contained in the corresponding TAP Pre-Scoping Application Instructions. Applicants must **submit eligible applications on or before 5PM on January 28, 2022**, and must include the following documents:

- ☒ A completed application **in Microsoft Word format**
- ☒ Narrative Response: maximum of **three double-spaced** pages, **11-point font size with 1-Inch margins**
- ☒ Cost Estimate Detail as required in the '**Project Costs and Dates'** section of this application
- ☒ For infrastructure projects, an 8½ by 11 project map submitted in PDF format
- ☐ If available, a **local resolution of suppor**t for the proposed project
- ☐ **Non-Profit Entities Only:** A resolution ratified by "Secondary Municipal Agency" listed on page A-2, certifying the Non-Profit as "Responsible for administration of local transportation safety programs"
- ☐ **If right of way was acquired in anticipation of this project,** attach a detailed list of available, completed project and parcel acquisition documentation **(see page A-2)**

☒ **If proposed project crosses or runs parallel to a local road, street, or state or federal highway,** attach an existing typical cross-section of the roadway, showing right of way, travel lanes, shoulder and sidewalk (if applicable) **(see page A-2)**.

☐ **SRTS Non-Infrastructure Applicants Only:** School Demographics Information (Page A-7)

☐ **SRTS Applicants Only:** Description of Existing Planning Efforts (400 words or less)

☒ Up to **three pages** of additional attachments (photos, letters of support, etc.)

FOR WISDOT USE ONLY –This information must be entered on the spreadsheet and on the application.
WisDOT Region comments on application, including eligibility concerns:
Region Reviewer's Name:
Reviewer's Title:
Date Received:

Report to the
Parks Committee
of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # P.7

To authorize staff to award the purchase of 24 light poles and fixtures at Bay Beach Amusement Park to the lowest responsive, responsible bidder not to exceed $120,000.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

None

Report to the
Parks Committee
of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # P.8

To receive and place on file the staff presentation on seasonal staff recruiting efforts for summer Park positions.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. lifeguard bonus program

LOVE THE PARK LIFE!



JOIN OUR CREW!

WWW.GREENBAYWI.GOV/JOBS

2022 LIFEGUARD BONUS PROGRAM

EARN UP TO AN ADDITIONAL $350!

$50 BONUS
COMPLETE PAPERWORK
ATTEND ALL MANDATORY TRAINING
COMMIT TO FULL TIME SCHEDULE

$200 BONUS
WORK FULL TIME SCHEDULE UNTIL JULY 31 (50 TOTAL OPERATING DAYS)
WORK A MINIMUM OF 25 FULL SHIFTS

$100 BONUS
WORK UNTIL THE END OF THE SEASON ON AUGUST 25
WORK A MINIMUM OF 12 SHIFTS IN THE MONTH OF AUGUST

LIFEGUARD WAGES ARE $12.02-$13.19

CITY OF GREEN BAY 1854 Titletown, USA

Report to the
Personnel Committee of the City of Green Bay

MEETING DATE

March 15, 2022

AGENDA ITEM # Q.1

To approve the request to fill the following replacement positions and all subsequent vacancies resulting from internal transfers.
a. Administrative Clerk - Public Works
b. Sewer Maintenance Worker - Public Works
c. Park Maintenance Worker - Park, Recreation & Forestry

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. Request to Fill Memo 3.8.2022
2. Administrative Clerk (DPW) - A. Van Gheem 03.10.22
3. Sewer Maintenance Worker - K. Calewarts 03.18.22
4. Park Maintenance Worker - L. Robenhorst 03.01.22

MEMORANDUM

Human Resources Department

To: Personnel Committee
Joe Faulds, Human Resources Director

From: Sarah Fidler
Human Resources Generalist

Re: Request to Fill Vacant Positions

Date: March 8, 2022

The Human Resources Department is requesting authorization to fill the following replacement positions approved as part of the 2022 budget and all subsequent vacancies resulting from internal transfers. The justification reports are attached.

- Administrative Clerk – Replacement position due to the resignation of Audra Van Gheem effective March 10, 2022. Salary range: $17.83 - $20.97 per hour.
- Sewer Maintenance Worker – Replacement position due to the resignation of Kenneth Calewarts effective March 18, 2022. Salary range: $22.76 - $26.79 per hour.
- Park Maintenance Worker – Replacement position due to the resignation of Larry Robenhorst effective March 1, 2022. Salary range: $20.56 - $24.20 per hour.

Position Fill Request
Justification Report
February 24, 2022

Position Title: Administrative Clerk (DPW)

1. If this position is a replacement position, please indicate the reasons for the vacancy. If this is not a replacement position, please indicate the reasons for requesting the position.

_X____ Replacement Position _____ Not a Replacement Position

This position will be vacant following the resignation of Audra Van Gheem effective at the end of the workday on March 10, 2022.

2. Is this position included in the current budget? If not, please list how this position will be funded (grant, internship, etc.). Please list the salary range of the position.

Yes – The current wage range for the Administrative Clerk position is $17.83 - $20.97 per hour (Pay Grade D).

3. Please list the functions and any special information regarding this position.

A. Provides clerical support services to departmental staff in the processing of letters, reports, permits, studies, and forms as instructed by the Public Works Supervisor. Prioritizes and processes work related to City construction and/or reconstruction projects to meet deadlines of bidding documents and corresponding advertisement notices, agenda, change orders, letters, reports, payments, and record keeping of the same. Types and data enters information for statistical or financial reports, correspondence, schedules, budgets, statements, and other material as necessary, which frequently involves some judgement regarding the information included or format used. Tracks various licensing programs and related duties.

B. Prepares agenda, minutes, and organizes follow-up work of notices and correspondence for Improvement & Services Committee and Traffic, Bicycle, & Pedestrian Commission; processes follow-up Council report and prepares resolutions as needed. Records and files proceedings as they relate to the Department. Organizes and maintains records of 90-day traffic signage trial periods for Traffic, Bicycle, & Pedestrian Commission. Takes and prepares minutes and summaries for bid opening meetings. Prepares minutes for preconstruction and other meetings as needed.

C. Maintains files and prepares correspondence, forms, reports, and other materials; sorts and files materials alphabetically, numerically or by other predetermined classification. Searches for information for same from various sources. Updates Public Works website, social media, and calendars as needed.

D. Sells and issues various items such as bidding documents, plans, maps, garbage and recycling bins, etc. Issues receipts. Maintains related records.

E. Generates invoices for early solid waste/recycling set out collection, bulk collection, snow and ice control, grass and weed control, damaged City property, clean-ups, excavation permits, etc., and maintain records. Compiles and enters data for requisitions and purchase orders and maintains records of requisition purchases. Maintains inventory and keeps records of supplies.

F. Records, reviews, and maintains records of utility bills for City and department facilities and/or equipment.

G. Acts as receptionist, assisting callers and responding to inquiries. Performs moderately to considerably difficult telephone answering and counter work, which may involve explanation of some departmental procedures or independent judgement for immediate/emergency referral to staff. Takes complaints and forwards to appropriate personnel.

H. Organizes and processes street resurfacing postcard surveys of affected residents. Composes routine correspondence in accordance with standard policies.

I. Assists Public Works Supervisor and Parking Division office staff with clerical-related duties as deemed necessary.

J. Performs related work as required.

4. Does the position generate revenue or reduce expenses? If so, provide an estimated amount.

Clerical staff is responsible for accepting payment and/or preparing invoices for a variety of services including, but not limited to, excavation permits, bulk garbage collection, traffic equipment damages, snow removal, weed cutting, recycling carts, parking citations, and monthly parking stall rentals amounting to approximately $3,000,000 per year in City revenue.

5. Please explain why current staff is unable to absorb duties of this position.

Loss of an Administrative Clerk position represents a reduction in DPW's ability to provide all administrative services in a timely manner, including customer service response times, accepting payments, sending invoices, issuing permits, executing DPW contracts, completing correspondence and letters, finalizing Committee agendas, reports, and minutes.

6. If duties of position are presently being done, how are they done?

The position is currently filled.

7. What service would be reduced or eliminated if this position is not filled?

Response time and the level of service to the public would be impacted.

8. What are the alternative methods and costs of accomplishing the work?

Outsourcing of invoicing and answering service for phone calls. It is doubtful that this would be less costly and service levels would likely decrease.

9. Are there union issues?

No.

10. Other supporting comments.

Position Fill Request
Justification Report
March 3, 2022

Position Title: Sewer Maintenance Worker – DPW Operations Division/Sewer Section

1. **If this position is a replacement position, please indicate the reasons for the vacancy. If this is not a replacement position, please indicate the reasons for requesting the position.**

   __X__ Replacement Position _____ Not a Replacement Position

   This position will be vacant as a result of the resignation of Kenneth Calewarts effective at the end of the workday on March 18, 2022.

2. **Is this position included in the current budget? If not, please list how this position will be funded (grant, internship, etc.). Please list the salary range of the position.**

   Yes, this position is currently funded through the City's Sanitary Sewerage District and Stormwater Utility operating budgets. The current base rate for this position is Pay Grade G, which is $22.76 to $26.79 per hour ($47,340 to $55,723 annually).

3. **Please list the functions and any special information regarding this position.**

   Sewer Maintenance Workers perform a full range of duties including, but not limited to, cleaning storm and sanitary sewers, maintaining other critical sanitary and stormwater drainage infrastructure such as lift stations, and completing other assignments necessary for the Sewer Section to perform its duties.

4. **Does the position generate revenue or reduce expenses? If so, provide an estimated amount.**

   This position does not directly generate revenue for the City. However, the use of in-house labor and equipment reduces the need to contract out for those services.

5. **Please explain why current staff is unable to absorb duties of this position.**

   Loss of a Sewer Maintenance Worker position represents a reduction in the City's ability to provide sewer services in a timely manner.

6. **If duties of position are presently being done, how are they done?**

   When a Sewer Section position is vacant, duties are assigned to other Sewer Section employees as needed. When there is a lack of personnel, assignments are prioritized. Lower priority assignments are either postponed or not completed.

7. What service would be reduced or eliminated if this position is not filled?

The Sewer Section will continue to perform all of its core services. The City cannot stop maintaining its sewer systems, as they directly impact the health and welfare of residents. However, a reduction in staffing will result in a lower level of service to residents.

8. What are the alternative methods and costs of accomplishing the work?

One alternative would be working overtime to maintain the required service. Another alternative would be outsourcing of services. Both alternatives pose potentially higher costs to the City.

9. Are there union issues?

No.

10. Other supporting comments.

None.

Position Fill Request
Justification Report
March 1, 2022

Position Title: Park Maintenance Worker

1. **If this position is a replacement position, please indicate the reasons for the vacancy. If this is not a replacement position, please indicate the reasons for requesting the position.**

   ___X___ Replacement Position _____ Not a Replacement Position

   This position will be vacant as a result of the resignation of Larry Robenhorst effective 03-01-2022.

2. **Is this position included in the current budget? If not, please list how this position will be funded (grant, internship, etc.). Please list the salary range of the position.**

   Yes, this position is budgeted. The wage range is $20.56 - $24.20 per hour (Pay Grade F).

3. **Please list the functions and any special information regarding this position.**

   The Park Maintenance Worker is a generalist position responsible for maintaining all facets of the year-round park operations. Parks and the related facilities are used daily from sun-up to 10:00 p.m. throughout the year. Therefore, we need to ensure that they are clean, safe, and functional at all times for our patrons.

4. **Does the position generate revenue or reduce expenses? If so, provide an estimated amount.**

   No, this position does not generate revenue.

5. **Please explain why current staff is unable to absorb duties of this position.**

   Over the years, we have added more parkland and facilities, but have not added additional staff. We are also responsible for maintaining a four-diamond Little League complex, a six-field soccer complex, more trails, more parklands, and the City Deck.

6. **If duties of position are presently being done, how are they done?**

   When vacancies occur in this classification, we are unable to meet all of the maintenance needs of our parks and facilities. As positions become vacant, we prioritize and reprioritize our daily work. The effect is that many of the services that we provide to the public are being performed less frequently.

7. **What service would be reduced or eliminated if this position is not filled?**

   The overall service would be reduced. We have tried to lessen the obvious impact by reprioritization.

8. What are the alternative methods and costs of accomplishing the work?

Contracting for various maintenance services would need to be explored. Costs would be dependent on the service contracted. The Park Maintenance Worker performs a wide range of services during a calendar year, therefore making it difficult to replace a single position by contracting.

9. Are there union issues?

No, there are no union issues.

10. Other supporting comments.

As our park system continues to grow, our staffing has remained level for quite a number of years. We have been able to accomplish this by being efficient with delegating staff responsibilities. Whenever any Park Maintenance position is vacant, it becomes a strain on our Park Maintenance operations. Since 2001, the Parks Division has been responsible for maintaining the following added facilities without adding park maintenance staff; V.T. Pride Park, Joannes SK8 Park, Leicht Memorial park, Resch Aquatic Center, nine splash pads, many Park property acquisitions, Navarino Park, Finger Road Ball Field Complex, Arnie Wolff Sports Complex, significant Bay Beach Amusement Park expansion, a new Banquet Facility/4K School at the Wildlife Sanctuary, CityDeck, as well as several miles of paved and unpaved trails.

With future additional maintenance responsibilities sure to come such as the Shipyard, JBS Park and the shoreline improvements at Bay Beach, we will fall further behind in our efforts to provide the most basic services if we do not maintain our staffing levels accordingly.

Report to the
Personnel Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # Q.2

To approve the request to reclassify (1) one Public Works Parking Enforcement Officer position to an Account Clerk II position and approval to fill the position and all subsequent vacancies.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

1. Account Clerk II Reclass Memo

Human Resources Department
100 North Jefferson Street • Room 500
Green Bay, Wisconsin 54301-5026
www.greenbaywi.gov

Phone 920.448.3147
Fax 920.448.3128

To: Personnel Committee
Joseph Faulds, Chief of Operations

From: Adam Reidinger
Human Resources Generalist

Re: Request to reclassify (1) one Public Works Parking Enforcement Officer position to an Account Clerk II position and approval to fill the position and all subsequent vacancies.

Date: March 1, 2022

RECOMMENDATION

I. The Department of Public Works and Human Resources is requesting that a vacant Parking Enforcement Officer position (Grade C, $16.50/hour - $19.42/hour) be reclassified to an Account Clerk II position (Grade F, $20.56/hour - $24.20/hour). The Parking Enforcement Officer position has been vacant since November 2020. The position was not filled at the time of vacancy due to the impact of Covid-19 resulting in a decreased need for Parking enforcement services. Since that time the Public Works Parking Division and Human Resources have assessed the needs of the division and determined that an additional Account Clerk II position is required to assist the existing Account Clerks in assigned duties that are either not being performed or not being completed in a timely and efficient manner due to workload and understaffing.

BACKGROUND

II. The current table of organization of the Public Works Parking Division includes (2) two Account Clerk positions (an Account Clerk II and an Account Clerk III). Account Clerks are responsible for a variety of accounting, bookkeeping, and recording functions for the Public Works department. Specific duties include entering daily payments and citations, entering daily ticket payments, balancing daily cash intake, preparing correspondence, processing mail, refunds, and invoices, maintaining Department of Transportation suspension files, and performing reception/counter duties including assisting walk-ins, responding to emails, and answering phone calls.

In January 2008, Public Works Parking, Engineering, and Operations administrative staff were re-organized in an effort to streamline service due to budget concerns and all administrative staff was centralized to City Hall. Prior to 2008, the Parking division included a third Account Clerk assisting with the duties described above.

Since that time, the Account Clerks have seen an increased workload following the implementation of a more complicated and dynamic parking system. After review of the job functions the (2)

Account Clerks are currently performing, and the job functions that they are unable to manage effectively it was determined that the largest ongoing negative effect on the Parking Division is unpaid citations and outstanding invoice collection. Due to the workload and insufficient staffing there is not enough time for the Account Clerks to follow up on collection issues.

In addition, the Account Clerks are not able to keep up with license plate suspensions as citations reach the 30-day past due mark. The Account Clerks are also unable to stay up-to-date with assigning registered vehicle owner information to citations, license plate suspensions and associated fees, and license plate satisfactions.

Reclassifying the Parking Enforcement Officer position to an Account Clerk II will provide the additional support needed to deliver improved customer service and an increased focus and attention to collections, which are approaching an amount of nearly $2M.

The Parking Division Manager, Chris Pirlot, has stated that eliminating the Parking Enforcement Officer will not affect operations significantly as they have been operating without this position since November 2020. With the elimination of this position, the division will not have parking enforcement 1 out of every 5 Saturdays and there would not be enforcement activity between 5:00 p.m. and 6:00 p.m. 1 out of every 5 weeks.

At the present time a Parking Enforcement Officer generates approximately $46,300 in annual revenue. With an additional Account Clerk II position, the staff will be able to dedicate more time to collection efforts, and it is estimated that the Parking Division will be able to make up the revenue a Parking Enforcement Officer would generate and potentially bring in a higher amount in revenue through increased collection efforts.

As a result of the department's need for an increased focus on the collection of unpaid citations, it is recommended that the vacant Parking Enforcement Officer position be reclassified to an Account Clerk II position.

FISCAL IMPACT

III. This position is funded through the Parking Division fund (Fund 202) and the reclassification results in an annual cost increase of $9,693. The department anticipates they will be able to cover the revenue a Parking Enforcement Officer would be estimated to generate through increased efforts to collect on unpaid citations.

Category	Parking Enforcement Officer, Grade C ($16.50/hour)
Salary	$34,320
FICA	$2,625
WRS	$2,317
Worker's Comp	$72
Health Insurance	$19,268
Dental Insurance	$1,555
Life Insurance	$59
TOTAL COMPENSATION	**$60,216**

Category	Account Clerk II, Grade F ($20.56/hour)
Salary	$42,765
FICA	$3,272
WRS	$2,887
Worker's Comp	$90
Health Insurance	$19,268
Dental Insurance	$1,555
Life Insurance	$73
TOTAL COMPENSATION	**$69,909**

Fiscal Impact **$9,693**

c: Steve Grenier, Public Works Director
Chris Pirlot, Operations Director
Elizabeth Nadolski-Spears, Administrative Supervisor
Justin Linzmeier, Public Works Superintendent

Human Resources Department
100 North Jefferson Street • Room 500
Green Bay, Wisconsin 54301-5026
www.greenbaywi.gov

Phone 920.448.3147
Fax 920.448.3128

MEMORANDUM

To: Common Council

From: Joseph Faulds, Chief of Operations

Re: City of Green Bay and GBPPA Tentative 2020-2022 Agreement

Date: March 15, 2022

2020-2021 POLICE CONTRACT SUMMARY

On December 9, 2021 the City and Police Union entered into a tentative agreement for a three year contract that will expire on December 31, 2022. The tentative agreement is recommended for approval by the City Council. The Union already has ratified the agreement. The following is a below summary of the tentative agreement.

SCHEDULE A
WAGE SCHEDULE

Contract Year	Amount	Effective
2020	2.00% ATB	01/01/20
2021	1.50% ATB	01/01/21
2021	1.50% ATB	12/31/21
2022	2.50% ATB	7/01/22

In addition, there will be a $1,000 stipend paid out as soon as practicable after the agreement is fully executed. This is a one-time payment and does not affect the base wage.

Language Modifications

The Agreement with strikethroughs is available in the agenda packet. Here is a list and summary of the language modifications that will be incorporated into the Agreement:

Article 3. Grievance Procedures and Disciplinary Procedures
Association will have the ability to determine whether or not to file a grievance or resolve a matter on behalf of the member.

Sergeant MOU
The Agreement incorporated a Sergeant MOU that was approved by the Common Council on 2018. Sergeants are incorporated into Appendix A. Agreed eligibility for Sergeants moves from 7 to 6 years.

Dates and Informational Language
Informational language regarding dates (i.e. "as modified by the schedule set forth in the departmental reorganization of October, 1986…") is removed throughout the contract.
This occurs in Articles: 4.2, 6.7.3, 7.2, 7.5, 7.17.2.

Neighborhood Response Team
Article 5.6
Neighborhood Response Team is added that is eligible for special assignment as posted by the Chief.

Article 7.6.9
Outlines the requirements of a Neighborhood Response Team member.

Article 5. Shift Assignments
5.8.5 New Shift/Group Changes
Grievance Settlement in 2018 that incorporated the Police Department's process for handling work time for individuals who change shifts or groups.

Specialty Team training MOU
See attached MOU

Call-in During Training:
Article 6.4. Resolved SWAT Team call-in pay grievance. Three hour call in for time worked during scheduled training.

7.7 Dive Team
Dive Team members may earn up to 3 hours of time for time payback per month for physical conditioning time.

7.11 Honor Guard Unit
Selection process is based on department wide posting and selection based on seniority.

7.12 Motorcycle Operator/Instructor
Based on the difficulty of the Motorcycle testing program, the posting will be department wide and if more officers post than positions available, the most senior officer will attend.

Article 21 Dues Deduction
City will deduct union dues if there is a written authorization to do so.

Appendix B Physical Fitness Incentive Program
Incentive changed from $500 to $535 based on a grievance settlement.

AGREEMENT

BETWEEN

CITY OF GREEN BAY

AND

GREEN BAY PROFESSIONAL POLICE ASSOCIATION

(BARGAINING UNIT)

~~2016-2019~~2020-2022

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CITY OF GREEN BAY - POLICE DEPARTMENT
LABOR AGREEMENT

THIS AGREEMENT, made and entered into according to the provisions of section 111.70 Wis. Stats. by and between the City of Green Bay as municipal employer, (hereinafter called the "City") and the Bargaining Unit of the Green Bay Police Department (hereinafter called the "Bargaining Unit").

ARTICLE 1
RECOGNITION/MANAGEMENT RIGHTS

1.1 UNIT. The City agrees to recognize the Bargaining Unit as the bargaining agent for all full-time personnel of the Police Department having powers of arrest employed by the City, excluding the rank of Chief of Police, Commander, Captain and Lieutenant in the matter of wages, hours, and working conditions. Prior to any negotiations, the City shall be furnished with a list of the membership of the Bargaining Unit.

1.2 MANAGEMENT RIGHTS. The Union recognizes the prerogative of the City, subject to its duties to collectively bargain, to operate and manage its affairs in all respects in accordance with its responsibilities, and the powers and authority which the City has not abridged, delegated or modified by this Agreement, are retained by the City, including the power of establishing policy to hire all employees, to determine qualifications and conditions of continued employment, to dismiss, demote, and discipline for just cause, to determine reasonable schedules of work, to establish the methods and processes by which such work is performed. The City further has the right to establish reasonable work rules, to delete positions from the Table of Organization due to lack of work, lack of funds, or any other legitimate reasons, to determine the kinds and amounts of services to be performed as pertains to City government and the number and kinds of classifications to perform such services, to change existing methods or facilities, and to determine the methods, means and personnel by which City operations are to be conducted. The City agrees that it may not exercise the above rights, prerogatives, powers or authority in any manner which alters, changes or modifies any aspect of the wages, hours or conditions of employment of the Bargaining Unit, or the terms of this agreement, as administered, without first collectively bargaining the same or the effects thereof.

ARTICLE 2
PURPOSE OF AGREEMENT

2.1 GENERAL. It is the intent and purpose of the parties hereto that this agreement shall promote and improve working conditions between the City and the Green Bay Police Department (GBPD) Bargaining Unit and to set forth herein rates of pay, hours of work, and other terms and conditions of employment to be observed by the parties hereto. In keeping with the spirit and purpose of this agreement, the City agrees that there shall be no discrimination by the City against any employee covered by this agreement because of membership or activities in the Bargaining Unit, nor shall the City interfere with the right of such employees to become members of the Bargaining Unit. The City retains all rights, powers, or authority that it had prior to this Agreement.

2.2 DISCRIMINATION. Neither the Employer nor the Union shall discriminate in any manner whatsoever against any employee as defined in Section 111.32 et seq. of Wisconsin Statutes.

ARTICLE 3
GRIEVANCE PROCEDURES AND DISCIPLINARY PROCEEDINGS

3.1 GRIEVANCE DEFINITION. A grievance is defined as any complaint involving wages, hours and conditions of employment of members of the bargaining unit, other than proceedings conducted pursuant to Section 62.13, Wis. Stats. A grievant may be ~~an employee~~a member or the ~~Union~~~~the~~ Association, ~~but~~in either case, the Association retains ~~"owns" the grievance and has~~ sole authority to determine whether or not to file and/or pursue any grievance, and whether to resolve any grievance on behalf of the Association or on behalf of a member. Upon the mutual agreement of the parties hereto, grievances involving the same issues may be consolidated in one proceeding.

3.2 SUBJECT MATTER LIMIT. Only one subject matter shall be covered in any one grievance. A written grievance shall contain the name and position of the grievant, a clear and concise statement of the grievance, including whether the Association is to be considered the grievant, the relief sought, the date the incident or violation occurred~~ and~~, the signature of the grievant and the date, and a signature of an Association representative authorizing the grievance filing.

3.3 CHIEF INVESTIGATION. The Chief of Police may confer with the Union and such employees or other persons deemed appropriate before making a determination.

3.4 COMPUTATION OF TIME. The days indicated at each step should be considered a maximum. Working days as used in this article shall mean Monday through Friday, excluding holidays. The failure of the party to file or appeal the grievance in a timely fashion as provided herein shall be deemed a waiver of the grievance. The party who fails to receive a reply in a timely fashion shall have the right to automatically proceed to the next step of the grievance procedure. The time limits may be extended by mutual consent.

3.5 REMOVAL FROM SPECIALTY TEAM OR ASSIGNMENT. Removal from a specialty team position or assignment shall only be for cause. Examples of "cause" may include but are not limited to poor performance, reluctance to perform assigned duties, failure to successfully complete training, continued failure to be available for call-in, poor documentation and the like.

3.6 GRIEVABLE. An officer not selected for a specialty team position or assignment shall have the right to grieve the decision through the grievance procedure. Only reasons capable of objective proof shall be considered in the event that a determination of non-qualifications is made and grieved.

3.7 WAIVER OF STEPS. Steps in the procedure may be waived by mutual agreement of the parties.

3.8 STEPS AND PROCEDURE.

3.8.1 STEP ONE. The grievant or ~~a Union representative~~Association on the grievant's behalf shall have the ~~-~~right to present the grievance in writing to the Chief of Police within 25-working days after the employee or the ~~Union~~ Association knew or should have known of the event giving rise to such grievance. The Chief of Police shall furnish the grievant and the Association~~Union~~ representative an answer within 15-working days after receiving the grievance.

3.8.2 STEP TWO. If the grievance is not satisfactorily resolved at the first step, the ~~grievant or the~~ Association~~Union representative~~ shall prepare a written grievance and present it to

the Human Resources Director within 15-working days of the Chief of Police's response. The Human Resources Director shall review the grievance and shall respond in writing within 15-working days after receipt of the written grievance.

3.8.3 STEP THREE. If grievance is not resolved at the second step, ~~the grievant or~~ the ~~Union~~ Association ~~representative~~ shall present the written grievance to the Personnel Committee within 15-working days of the Human Resources Director's response. The Personnel Committee shall review the grievance and respond in writing within 10-working days after their decision, which shall be made at the next regularly scheduled Personnel Committee meeting. In reaching their decision the Personnel Committee may hold a fact-finding hearing after having received a written statement of fact and position by each party. The ~~grievant and the Union~~Association shall be given a 10-working day notice of said hearing.

3.8.4 STEP FOUR. If no agreement is reached in step 3, the dispute may be referred to arbitration. The party desiring arbitration shall, within 10-working days of receiving the Personnel Committee decision, petition the Wisconsin Employment Relations Commission for arbitration with a copy of such petition sent to the other party.

3.9 GRIEVANCE ARBITRATION PROCEDURE.

3.9.1 ACCESS TO RECORDS. The employee or the bargaining unit shall have access to the City's investigative file and all other pertinent documents or information once a disciplinary action has been meted out, but no sooner than 8-days after such discipline has been meted out. Access to the employee's personnel file shall be subject to the restrictions of Section 103.13 (3) Wis. Stats. Nothing in this paragraph shall prohibit or restrict the City from taking a statement of the employee as part of an investigation to determine whether the employee should be disciplined.

3.9.2 DISCLOSURE OF WITNESSES. Any time after step 2 of the grievance procedure, either party may demand a list of witnesses that the other party intends to call by furnishing the other party with a list of witnesses of the demanding party. The other party, upon whom the request is made, shall respond to that request within 8-working days of the date of the request. The parties shall be under a continuing obligation to update and supplement the list of witnesses so provided. Any witness not identified in response to a demand before the date of the informal pre-hearing conference shall not be allowed as a witness in the case in chief in these proceedings.

3.9.3 DEPOSITIONS.

a. Once a witness has been identified pursuant to the procedures set forth above, that witness may be deposed.

b. Either party may identify witnesses they intend to call in these proceedings without receiving a demand from the other party. Upon identification of such witness, the party so identifying the witness shall, upon notice to the other party, be permitted to depose that witness for purposes of perpetuating testimony for the grievance hearing.

c. Any depositions taken, whether during the investigation of the actions leading up to the discipline or at any point thereafter, may be used by either party at any step in

the grievance procedure as may be otherwise provided by law.

3.10 COSTS. The party initiating the grievance shall pay for the administrative costs for initiating arbitration. Any other expenses or costs of the arbitration proceeding, including fees of the arbitrator, shall be split equally between the parties. The arbitration hearing shall be conducted in the City of Green Bay at a mutually agreeable time.

3.11 DECISION OF ARBITRATOR. The decision of the arbitrator shall be limited to the subject matter of the grievance. The arbitrator shall not modify, add to or delete from the express terms of this Agreement. The arbitrator's decision shall be final and binding.

3.12 REPRESENTATIVES. The Bargaining Unit may appoint representatives of the bargaining unit and shall inform the City of the names of the individuals so appointed and of any change thereafter made in such appointments. The City shall allow the representatives the necessary time to process grievances during the course of the duty day.

ARTICLE 4
HOURS

4.1 NON-SHIFT EMPLOYEES. The work schedule for non-shift employees shall be equalized with that of the shift employees subject to approval of the ~~supervisor~~Command Officer. Approval shall not be unreasonably withheld. The workday for non-shift employees shall be a maximum of eight and one-half hours.

4.2 SHIFT EMPLOYEES.

4.2.1 The work week for shift employees shall consist of 5-duty days with 3-days off in a repeating cycle. The work week for non-shift employees shall be 5-duty days during the normal work week with weekends off, as modified by the schedule set forth in the departmental reorganization of October, 1986 and shall be administered as to each employee as it now is.

4.2.2 The normal tour of duty shall be 8½-hours including roll call time. However, officers may return to the station after 8¼-hours in order to submit all usual and required written reports and information and to ascertain that they have been properly and correctly submitted before leaving the premises. In no event shall the completion of a required report become a matter involving overtime except with approval or at direction of the ~~officer's supervisor~~Command Officer.

4.3 TAKING OF OFF TIME. Officers may select, or pick, off time (vacation, personal days, compensatory time, accumulated overtime, and the like) outside of the normal vacation selection or pick procedure not more than 45-days before the day(s) in question in the following manner:

4.3.1 No such selection or pick shall be made more than 45-days before the day in question.

4.3.2 Within 45-days, but more than 30-days of the date in question, selection or picks may be made to the extent of the number of positions allowed off under the Labor Agreement regardless of staffing requirements and within applicable rules regarding seniority, off day groups, number of days per selection, and other pertinent rules.

4.3.3 Within 30-days but not less than 24-hours prior to the start of the time off requested,

such selection shall be on a first come, first served basis regardless of seniority up to the number of officers allowed off under the Labor Agreement regardless of staffing requirements. The shift commander or other designated ~~supervisor~~ Command Officer may, in their sole discretion, allow more officers off than the number of officers allowed off under the Labor Agreement regardless of staffing requirements in accordance with the above procedures for identifying the officers. In no event may an officer select time off without 24-hours notice prior to the start of the time off requested, to the shift commander or other designated ~~supervisor~~Command Officer, but a shift commander or other designated ~~supervisor~~ Command Officer may, in their sole discretion, waive the 24-hour notice for reasons found sufficient. For purposes of this provision, officer means an 8½-hour shift.

4.4 FLEX TIME. Officers shall not be allowed to flex their hours in a workday except as explicitly provided for in the Agreement or specifically agreed to in writing between the City and the Association from time to time. Officers who work an administrative schedule (5-2, 4-3) may work on their flex day with ~~supervisory~~ Command Officer approval during their last five years of work before their declared retirement date.

4.5 MIDDAY SHIFT. The midday shift will comprise the hours of 10:30 am to 7:00 pm with officers assigned to a 5-3 group work schedule.

4.5.1 Officers will bid for the midday shift by department seniority by signing a general department posting.

4.5.2 Management retains the right to determine the number of officers to be assigned to the shift. The time frame to fill this shift will be determined based on where the officers bidding the shift come from.

ARTICLE 5
SHIFT ASSIGNMENTS

5.1 ASSIGNMENTS IN GENERAL. Assignments to shift positions shall be by seniority among those persons possessing the qualifications for the position to be filled. Assignments shall be made and persons with appropriate qualifications and seniority may bid for shift positions only when a vacancy exists in such position.

5.2 SHIFT TRADING. Officers shall be allowed, upon request, to have another officer substitute for the requesting officer on any given tour of duty under the following conditions:

5.2.1 The substitute officer shall be of the same rank and have the same general job description as the requesting officer (i.e., patrol officer and patrol officer; detective and detective, etc.).

5.2.2 The request shall be in writing and approved by the shift commander or ~~supervisor~~ Command Officer of both the requester and substitute, which said approval shall not be unreasonably withheld.

5.2.3 The consideration to the substituting officer, such as the requesting officer substituting for the substituting officer in the future, shall be strictly between said officers, without the City having any obligation whatsoever to be involved in enforcing any such agreement.

5.2.4 No trade may be made if the trade, when made, would result in an officer working more than 14¼-hours, in a combination of shift trade, training, duty hours and/or overtime, in any 24-hour period.

5.2.5 An officer who makes a partial trade with an officer on a contiguous shift with a 30-minute overlap shall remain on duty an additional 15-minutes at the end of that shift without any additional compensation.

5.3 TRAINING OF NEW PERSONNEL. The training of new officers shall be conducted pursuant to the departmental field training program under the provisions of this Agreement, excepting that while in training, the department shall have the right to assign shifts, groups, jobs, and duties as is necessary or proper under the training program, and all selection rights in regard to the same contained in this Agreement shall not apply to such officers; provided that in all instances the provisions regarding the length of the work day, the work week, provisions regarding pay, including overtime (except such officers may not bid, or be inversed, for normal overtime) shall apply.

5.4 TEMPORARY ASSIGNMENTS. The Chief of Police may, upon written notice to the Bargaining Unit, temporarily assign officers to special duties or projects for a period of up to 30-days; provided however that no officer may be temporarily assigned to any duties or projects which have historically been or normally are performed by or assigned to Bargaining Unit members as part of their job duties. If the assignment is voluntary, no premium pay shall be earned by the officer. An officer's performance of any temporary assignment shall not impact on promotion (excepting that such might increase the officer's personal knowledge or experience), and shall not become part of the officer's personnel file or work record for promotional purposes.

5.5 DAYLIGHT SAVINGS. When clocks are adjusted for "Daylight Savings Time" employees shall be compensated according to the clock rather than actual hours worked. Overtime shall commence after 8½ hours on a regular work day.

5.6 SPECIAL PROJECTS. The Chief of Police may authorize special projects not to exceed 60-days. The special projects shall be assigned based on qualifications amongst those interested. The selection process will be in accordance with 7.2.3.i.(A). The length of the special project may be extended upon mutual agreement with the Association for a period of up to 30-additional days. Approval for such extension shall not be unreasonably withheld. The following positions shall not be eligible for special assignment:

Forensics	Canine	Neighborhood Response Team
Detective	Traffic Enforcement Officer	School Resource Officer
Drug Unit	Range Master	Community Policing Officer
Crime Prevention		

Identical special projects shall not be posted more than two consecutive times except for good cause shown or by mutual agreement.

5.7 SAFETY STAFFING.

5.7.1 Policy. Both the City and the Bargaining Unit keep officer safety as a foremost priority in all aspects of working conditions. It is recognized that the primary safeguard for officers is the police force itself, with each officer receiving protection through teamwork with,

backup for or by, and general interdependency with other officers.

5.7.2 Staffing Requirements. In order to serve the above general policy, the following minimum officer safety staffing shall be maintained at all times, subject only to the provisions of 5.7.2.c below. Patrol Sergeant positions will count as patrol officers for purposes of safety staffing:

a. Safety staffing between the hours of 6:15a and 10:30a will be 11-officers, two of which may be ~~supervisors~~Command Officers. Safety staffing between the hours of 10:30a and 7:00p will be 13-officers, two of which may be ~~supervisors~~Command Officers. From 7:00p until 3:30a this minimum shall increase to 16-patrol officers, however may be reduced to 14-patrol officers because of absences due to officers going home during shift due to illness. From 3:30a until 6:30a minimum staffing may be reduced to 10-patrol officers on duty.

b. The following provisions shall apply to the counting of patrol officers for minimum staffing requirements:

   i. The City may count up to 2~~-road supervisors~~ Command Officers toward the staffing requirement. If 2-road ~~supervisors~~ Command Officers are not available, the Chief of Police or designee shall replace any such unavailable ~~supervisor~~ Command Officer with a sergeant or patrol officer, unless otherwise agreed by means of an MOU;

   ii. Officers in plain clothes shall count toward the required number for staffing if officer is on patrol;

   iii. Two officers assigned to a patrol squad car shall count as two officers for required number for staffing;

   iv. Probationary officers in training shall not count toward the required number for staffing;

   v. School Resources Officers (SROs) shall not count toward the required number for staffing;

   vi. Community Police Officers (CPOs) shall not count toward the required number for staffing;

c. Unexpected deviations below safety staffing on any given shift within 3-hours of the end of that shift shall be filled by a call-in of the oncoming shift. This may occur when an officer goes home sick. Should the time slot extend outside of 3-hours a full call-in must be done even though you are currently running below staffing.

d. "Active patrol duty" shall mean a uniformed or plain clothed trained officer being assigned to perform a shift tour of duty the usual and customary duties of active police patrol within a district or other area of the city designated by the Chief of Police or designee.

e. Shift Commander Discretion. Due to the exigency and emergency nature of police work, deviation from staffing and assignment requirements within the work day are inevitable, and shift commanders shall have the discretion to direct the work force to meet unexpected situations, events or occurrences arising from time to time;

provided that deviations shall not be allowed for expected situations or events, or those which reoccur on a regular basis so that they may be planned for.

f. In the event of a violation of the provisions of this Section, whether by the City failing to call in an officer or calling in the wrong officer, the officer who should have been called in shall be compensated for the wages the officer would have earned had the officer been called in.

5.8 GROUP SELECTION. Assignments to groups shall be selected by departmental seniority as follows.

5.8.1 Current group assignments shall be continued, and no bumping shall be allowed.

5.8.2 When a vacancy in any group occurs on a shift, such shall be posted for selection by all officers qualifying to fill such a position, including officers already assigned to the shift.

5.8.3 Officers being newly assigned to a shift shall be assigned to a group having a vacancy after the posting under 5.8.2.

5.8.4 When an officer leaves a shift because of a move that entitles the officer to return to the shift at a later date, that officer shall be treated as a newly assigned officer to the shift under 5.8.3, unless agreed otherwise by the City and the Bargaining Unit before the officer leaves the shift.

5.8.5 New Shift/Group changes: An officer that moves shifts or work groups and is owed off time due to the shift/group move shall take any time off owed within the FLSA period. The officer shall be allowed to elect the off day(s) within the FLSA period (under the procedure identified in Article 14.3(c) of the Agreement), as long as the vacation book shows such day(s) as available. In the event the officer does not elect to do so, or his/her chosen off day is not available in the vacation book, the Department shall assign the day(s) off owed. No payback or compensatory time will be given unless the City is unable to schedule the off time owed within the FLSA period.

The formula for determining the off time owed to an officer for a shift/group move is as follows:

1. Prior to the shift/group move, use the officer's last full rotation 5 days on 3 days off. After the shift/group move again use one full rotation 5 days on 3 days off. Total the number of work days and the number of off days.
2. Total number of days worked in point #1 multiplied by .6 to determine the number of days off the officer should have had.
3. Compare the number of days off in point in point #1 to the number of days off in point #2. If point #2 is higher than point #1 this is the amount of time owed to the officer. If the officer is owed any time off, the office shall be scheduled the time off within the FLSA period.

The City will not seek compensation from the officer or add additional work days to the officer's schedule if, as a result of a shift/group move, the officer is off work more time than allotted during a normal rotation.

An officer that is scheduled off due to time owed from a shift/group move is unable to

substitute any off time (i.e. personal or sick) for those scheduled off days.

5.9 ASSIGNMENT OF POSITIONS. Assignments to job or duty positions shall be made only when a vacancy exists, and there shall be no bumping

ARTICLE 6
OVERTIME

6.1 OVERTIME PAYABLE. Employees shall be compensated at the rate of 1½-times based upon their normal rate of pay for all hours worked in excess of the scheduled work day or work week. Overtime shall commence after 8½-hours on a regular workday or for hours worked outside the normally scheduled workweek. For purposes of calculating overtime, compensation for the hourly rate shall be based on a bi-weekly schedule of 75.6-hours and an annual schedule of 1964.5-hours. No change in the amount of overtime claimed by an employee shall be made unless the employee is notified of such proposed change within 7-days of the employee submitting the overtime.

6.2 OVERTIME/COMPENSATORY TIME. Compensatory time shall be limited to an accumulation of 100-hours.

6.3 ALLOCATION OF OVERTIME.

6.3.1 Posting. All overtime of the department schedule, where practicable, shall be posted. If more persons qualified for such overtime work sign for such than are needed, overtime shall be assigned on a seniority basis among those qualified for the work. (It is contemplated that at times it shall be necessary to determine the qualification of an employee to work overtime based upon the employee's knowledge of the subject of the overtime work or the training and expertise of the employee. However, in the event of a dispute as to the same, the City shall have the burden of establishing the necessity.) In assigning overtime the department shall ask for volunteers on the basis of seniority regardless of whether the officer is on a work or off day. In the event sufficient volunteers are not found, the balance of the overtime shall be assigned on the basis of inverse seniority among those on their workdays and then by inverse seniority among those on off days. Management may refuse overtime where there is a legitimate safety concern. Practicability of posting shall be determined in light of time available for posting and departmental or public security, or other relevant and sufficient factors. This paragraph shall not apply to overtime resulting from an extension of a person's normal workday duty, nor shall it apply to overtime not assigned by the City of Green Bay.

Special event overtime will be posted for a minimum of 30-days in advance of the event, unless the Department is not provided 30-days advance notice of the special event. The most senior qualified officer signing for and assigned the special event overtime will be expected to perform that overtime assignment unless the officer cancels 10-days prior to the special event. In the event the Department has less than 30-days advance notice to post the special event the posting will include a date to cancel. For purposes of these posting procedures a special event will typically be considered crowd control, traffic control, and general security at events, such as an athletic event, concert, ceremony, demonstration, exhibition, march, pageant, parade, procession, race, show, or other

similar display which interferes with normal flow or regulation of traffic on the streets, sidewalks, or right-of-way, or the normal use of parks or other public or private grounds.

6.3.2 Qualification for Overtime. When determining qualifications, department shall abide by the following:

a. When the overtime in question calls for the officer not to be in uniform, such overtime shall be performed by a detective. However, this provision shall not prevent the department from using patrol officers for ordinary plain clothes surveillance duty during their normal shift or using a patrol officer when the department is unable to secure sufficient detectives whether they are on or off duty. Use of patrol officers shall not reduce any shift below the number required for safety reasons. If the detective maintains a uniform, the detective shall be allowed to select overtime with the patrol division and specialists for crowd control events such as the 4th of July, Artstreet, and the like.

b. When the overtime in question calls for the officer to be in uniform, such overtime shall be performed by an officer within the patrol division who, in the normal course, performs their duties in uniform and is limited to the patrol division. This involves duties including and similar to road patrol, such as Speedwave, OWI saturation patrols, downtown security, and any other assignment where it is anticipated that the patrol vehicle shall be used the same as a road patrol vehicle, requiring knowledge and proficient use of the patrol vehicle and all equipment contained therein. Such overtime shall be filled via the road overtime call-in list and limited to officers in the patrol division.

c. Specialists shall be allocated overtime within their respective specialties, and in addition, if the specialist is, in the normal course, required to maintain a uniform, such specialist shall be allowed to select overtime with patrol division officers for crowd control events, such as 4th of July, Artstreet, and the like. Where it is anticipated such use of the patrol vehicle would not be needed, shall be filled by seniority from the full specialty call in list (mix of detectives, specialist positions and patrol officers). Examples of such overtime would be crowd control, traffic control and general security where the presence of a patrol vehicle is operationally desired, but full functional operation is not required.

d. Any overtime assignment where it is unclear what pool of officers should be utilized; such determination shall be made via mutual agreement between the City and an Association representative.

e. All overtime above shall begin at the station and the officers assigned shall report to the Shift Commander or briefing supervisor verifying their presence, at the end of the assignment the officer(s) must stop at the Shift Commander's office and verify they have completed their assignment. There is no change to the Packer Game Day reporting for duty and overtime procedures.

f. ~~Supervisory officers~~Command Officers shall not be qualified to work any overtime involving nonsupervisory duties.

6.3.3 Overtime as Duty Assignment. An overtime assignment may be cancelled by the City at

any time, provided that if it is cancelled within 24-hours of the scheduled start of the assignment, the officer shall be paid minimum call-in under sec. 6.4 below, or in the case of shift overtime, payment for the entire shift. The term "cancel" shall include cutting short overtime which was planned to run for more than 3-hours.

6.3.4 Special Event Overtime. For special events (such as the 4th of July, and the like), because the City is at the mercy of the weather and the needs of the event sponsor, overtime may be cancelled or altered at any time prior to the scheduled commencement without relief; however, once the officer starts the assignment, if it was scheduled for more than three hours, there shall be a minimum three hours paid.

6.3.5 Overall hour limitation. Except as provided above, overtime shall not be allocated or assigned where it would result in an officer working more than 14¼-hours, in a combination of overtime, training, duty hours and/or shift trades in any 24-hour period. A new 24-hour period commences whenever there is a 7½-hour break in on duty time. An officer cannot be inversed into an assignment if it would result in the violation of this Article. The 14¼-hour limitation provided for in this paragraph shall be extended to allow for the duty of officers to extend their shifts upon the order of a ~~supervisor~~ Command Officer or when addressing emergencies that may occur at the end of a shift.

6.3.6 Inversed Overtime Assignment. Whenever an officer is inversed to work an overtime assignment, the officer inversed shall have the right to have another officer work the overtime on the same basis as the assigned officer, provided the replacement officer is from the pool of officers that were originally considered for the overtime assignment (in essence giving it away, the one that actually works it gets paid). In the event the City determines the need for the inversed overtime assignment has ended, the officer that is working the inversed overtime assignment may voluntarily cancel or cut short the overtime assignment with notice to the ~~supervisor~~Command Officer. At the officer's choice inversed overtime assignments may be cancelled in accordance with provisions of this Article.

Improper Inverse. In the event an officer is improperly inversed under any of these procedures, the officer shall receive additional pay in the amount of straight time pay for each hour worked during the improper inverse assignment. In the event an officer is notified of a cancellation of the improper inverse assignment within one hour of the notice of inverse assignment and the employee chooses to work the inverse assignment under section 6.3.6 the additional straight time pay shall not be applicable to such inversed overtime assignment. Examples of road overtime are attached as Appendix A.

6.3.7 Shift Overtime Postings and Subsequent Openings. The City shall post only for actual shift openings when posting for available shift overtime. Such postings shall be displayed for a minimum of 4-days. Any subsequent shift openings of the same overtime period(s) discovered while the positing is still active may be filled via this posting. Once such posting is taken down, any subsequent openings not involving a holdover must be filled via a telephone posting of all officers by seniority, even if the overtime period is the same as that of the previous posting.

6.4 MINIMUM CALL-IN TIME. Employees shall be compensated for a minimum of 3-hours for any call-in time worked on a scheduled work day, a day on which an officer works a full 8½-hour

work day pursuant to posted shift overtime, or for a call-in while an officer is attending either a voluntary school, specialty team training or in-service training (an officer receiving call-in pay on a day attending school shall still be entitled to compensatory time as if no call-in occurred if the officer successfully completes the school in question, and if the school is not successfully completed, shall receive compensatory time for those hours in attendance). The department may engage police officers in police business on site during in-service training without paying call-in, provided such shall not jeopardize the officer receiving full credit for the class interrupted. Employees shall be compensated for a minimum of 6-hours for any call-in time on a day off or scheduled vacation. This call-in time shall be compensated at the base rate of pay.

6.4.1 Any officer who takes vacation or off-time coming, personal leave day or any other off-time authorized after being scheduled and notified of a required court appearance or other required non-shift departmental duties shall be compensated for a minimum of 3-hours.

6.4.2 Continuous Duty: In the event an officer is called in for more than one call in any given day, including notice of court or any other notice of time outside the regular shift, that officer shall not receive two call ins, but shall be paid continuous pay at the overtime rate of time and one-half from the beginning of the first call in to the end of the second call in; excepting that if the call ins in question are for specialized units established and existing for the purpose of being called in for special problems or occurrences, such as SWAT, K-9, accident reconstruction, the continuous duty rule shall not apply to more than one call in of such nature, but rather each call in shall be a separate call in.

6.4.3 When a trade of shifts is made between officers as authorized in section 5.2 of this Agreement, and one of the officers is subject to a call as set forth in section 6.4 of this Agreement, the officer working the day shall be subject to the 3 hour call in compensation and the officer who is off because of the trade shall be subject to the 6-hour call in compensation. It is understood that the above shall not affect the application of 6.4.1 and 6.4.2 of this Agreement.

6.4.4 Officers inversed to work overtime to satisfy safety requirements shall be paid call-in time under this section. Officers who volunteer to work such overtime shall be paid at time and one-half for the overtime actually worked.

6.4.5 Officers shall be subject to the residency requirements as outlined in Article 35, Residency, of the Agreement, for immediate need safety staffing shortage call-ins and immediate need detective call-ins.

6.4.6 Response time compensation for call-ins shall apply as outlined in Article 35, Residency, of the Agreement.

6.5 IMMEDIATE NEED CALL-IN COMPENSATION. Immediate need call-in is defined as that need not previously known or posted, where the officer is needed immediately. (Example: Immediate road staffing shortage). This does not apply to court related hearings where the officer is being called in to testify such as municipal or circuit court appearances, probation/parole hearings or Chapter 51 hearings.

6.5.1 When an officer is called-in for immediate need overtime such overtime shall commence at the station upon duty-ready status of the officer. Such officers shall report to the on-

duty Shift Commander duty ready, which shall be recorded as the official start time; additional 30-minutes of overtime shall be added to that start time regardless of when the officer arrives.

6.5.2 In the event the immediate need compensation requires the officer to respond directly to a scene, the start time shall be the time the officer arrives at the scene. Such officers shall report to the on-scene supervisor which shall be recorded as the official start time. An additional 30-minutes of overtime shall be added to that start time, regardless of when the officer arrives.

6.5.3 If the overtime assigned is to fill immediate safety staffing needs the supervisor shall begin the call-in process immediately. There shall be no deliberate or unnecessary delay of filling such overtime. The officer accepting the overtime receives pay from the time of reporting duty ready to the Shift Commander plus 30-minutes. There is no compensation for the time between discovery of the shortage and the paid start time of the officer. The period of time the shift was short staffed up to the time of discovery is to be reported to the Operations Commander.

EXAMPLE: (Immediate action.) At 7:00p it is determined that an error was made in Telestaff, and shift is below safety staffing until 10:15p. Shift Commander immediately starts the call-in process. Officer A is called at 7:15p and accepts. Officer A arrives at 7:55p and reports to the Shift Commander duty-ready (in uniform and ready to walk out door). Officer A receives pay beginning at 7:25p (time of reporting + 30-minutes). No compensation for the time from 7:00p to 7:25p.

EXAMPLE: (Unnecessary delay.) At 7:00p it is determined that an error was made in Telestaff, and shift is below safety staffing until 10:15p. Shift Commander decides to wait to begin the call-in as there is no officer available to make the calls or s/he wishes to eat lunch first. An officer is available at 8:00p and call-in begins thereafter. This delay would be deemed unnecessary as the Shift Commander could have started the call-in him/herself. The time from 7:00p to 8:00p would be compensated under 5.7.2.f

EXAMPLE: (Shortage not discovered right away) At 10:00p it is discovered that there was a safety staffing shortage since 7:00p. The supervisor immediately begins a call-in process. Officer is called at 10:15p and accepts. Officer reports to Shift Commander at 11:00p duty ready (in uniform ready to begin). Officer receives pay beginning at 10:30p (time of reporting + 30-minutes). The time from 10:00p–10:30p is not compensated. The time from 7:00p to 10:00p shall be compensated via Article 5.7.2.f. In this situation, the supervisor notifies the Operations Commander of the details of the 7:00p–10:00p shortage. The Operations Commander shall facilitate the remedy with the GBPPA.

6.6 ORDERED IN VS. VOLUNTARY ACCEPTANCE. "Ordered In" is defined as a non-voluntary assignment. The officer is ordered to come in and has no choice. In this situation the officer is compensated from the time the officer was ordered in to report for duty. Minimum call-in time (3-hours/6-hours) applies to this situation.

6.7 COURT CANCELLATION PROCEDURE. The afternoon shift commander shall be notified of any court cancellations. It then becomes the responsibility of the officer to call the shift commander after 5:00p on the day prior to the scheduled court date as to whether or not the court

appearance has been canceled.

6.7.1 The shift commander shall record all such calls by date and time in a log book; that is, if an officer appears at court and the case has been canceled, s/he shall receive the minimum call-in pay only if s/he had called in after 5:00p the prior day and was not notified of the cancellation. If the officer had not called in the prior day, s/he shall not receive the pay.

6.7.2 On those occasions when court appearances are canceled after 5:00p, the shift commander shall attempt to contact the officer with the cancellation, if the officer had already called in. If the officer is contacted 12-hours before the scheduled court appearance, the officer shall not receive call-in pay.

6.7.3 Court shall include any time an officer is instructed by the Chief of Police or designee or subpoenaed to appear in any Court, legal proceedings (including depositions), or before any governmental body or other person, tribunal or agency authorized by law to issue subpoenas, which appearance is related to or arises out of the officer's scope of employment. (The City and Bargaining Unit have disagreed as to whether there was a past practice for compensating officers who are subpoenaed or instructed to appear at arbitrations or grievance proceedings dealing with the administration of this Agreement and the City had previously informed the Union of the discontinuance of this alleged past practice in a letter to the Union, dated August 27, 1986. The above language shall not apply to these situations.)

6.8 OVERTIME FOR GREEN BAY PACKER GAMES.

6.8.1 Two postings shall be placed on the bulletin board once each year by July 1. All officers interested in working Packer games or working any extra overtime beyond what would be normal for traffic or field assignments are requested to sign the respective postings. These postings shall contain the anticipated staffing needs for the games.

6.8.2 Officers who sign the above said posting shall be assigned to work each of the Packer games in the year in question on the basis of departmental seniority.

6.8.3 In the event there is an insufficient number of officers signing the posting to fill the remaining complement needed for the Packer games, officers shall be assigned by inverse seniority among those on their workdays and then by inverse seniority on off days.

6.8.4 In the event that any officer who has signed the above said posting to work the Packer games later decides not to work any given game, such officer shall have the right to remove their name from the posting for any game by giving at least 10 days advance notice of such removal before the game in question.

6.8.5 Officers working overtime for Packer games shall be compensated at twice their regular rate of pay for all hours worked.

6.8.6 Use of Day Shift for Staffing Holdover on Day of Packer Games. On Packer game days, a holdover of officers to complement staffing until Packer personnel return for road duty shall be filled by seniority from a combined pool of day shift officers working that day. Such overtime shall commence at the end of the officer's normal shift. If enough officers

do not volunteer, openings shall be filled by inverse seniority from this same pool. Payment shall be at double time for time worked.

6.9 STAND-BY PAY. Officers asked to be available for immediate call to duty shall receive an hourly rate of pay equal to 15% of the top patrol officers' hourly rate for every hour in which they are on stand-by. When actually called to duty, they shall be compensated according to Article 6 and/or Article 11 of this Agreement. If such standby duty is necessary in order to provide mutual assistance outside of the City limits, then the department shall select qualified officers for such duty by seniority from among those signing a posting.

6.10 ASSIGNMENTS OUT OF CITY. When an officer is assigned to perform duties out of the City which requires the officer to be out of the city overnight, in connection with their responsibilities as an officer for the Green Bay Police Department, the following shall apply. Compensation for training and/or schools shall be in accordance with Article 29.

6.10.1 The work assignment starts when the officer reports to the police department for duty assignment and ends when the officer returns to the police department. In the event an officer must travel on an off day, the City does not guarantee any number of hours. In the event an officer is required to work on a scheduled off day, the City retains the right to schedule travel time with sufficient time to reach the destination.

6.10.2 Transportation shall be provided as determined by the department.

6.10.3 If the officer is on a work day, the officer shall flex their normal work hours to accommodate travel time and work hours to the extent deemed appropriate by the department. The City may assign normal police duties on the day of travel, and require officers to work normal police duties until travel begins.

6.10.4 While on the out of city job assignment, an officer shall flex their normal work hours so as to accommodate the times that job duties are to be performed out of city (for example, if the officer works the night shift and the job assignment is to testify in court, the department shall have the option of directing the officer to start the work day at 6:00 a.m. the following day when the officer is to be in court).

6.10.5 An officer shall not be compensated in any fashion during the hours of 10:00p and 6:00a provided that the officer is not required to perform job duties during these hours. If an officer is required to perform job duties during these hours the officer shall be compensated only for the time spent performing those duties. All other hours during the out of city assignment shall be compensable as work hours, either as actual hours of work, or hours spent engaged to wait or waiting to be engaged for work.

6.10.6 Once notified of the court date, officers may not take off time on that date. See 6.4.1.

6.11 PAY BACK COMPENSATION. Until December 31, 2017 all accrued payback compensation shall be used by Employee prior to the last date of employment, or paid out at the time employee separates from employment. Effective January 1, 2018 payback time will not accrue in excess of 100-hours. Any hours in excess of the 100-hour maximum on January 1, 2018 will be paid out at employee's then current rate of pay. Payment will be made as soon as administratively practicable after January 1, 2018. Thereafter, hours in excess of the 100-hour maximum will be paid out as they are earned.

ARTICLE 7
SELECTION FOR SPECIALTY TEAMS AND ASSIGNMENTS

7.1 APPOINTMENT TO SCHOOL RESOURCE OFFICER. Qualifications for the School Resource Officer Program shall be as follows:

a. Minimum of 3-years as a Green Bay police officer.
b. Able to make critical judgments within the scope of responsibility of the position;
c. Ability to adapt to change;
d. Maturity;
e. Emotionally healthy;
f. Self-control;
g. Understanding of own and others' feelings;
h. Ability to handle pressure without overreacting;
i. Interest in working within the school environment;
j. Respect for constitutional rights of others;
k. Ability to communicate effectively with individuals, groups, juveniles and adults;
l. Ability to prepare necessary reports and records (i.e. written communications);
m. Interest and involvement with juveniles and youths, and/or young adults;
n. Knowledge of laws pertaining to juveniles;
o. Knowledge of practices relating to building security.

7.1.2 FILLING VACANCIES AND TENURE AS SCHOOL RESOURCE OFFICER (SRO). Any vacancy for an SRO shall be posted in the department pursuant to the rules for such posting.

7.1.3 The Selection Committee shall be a 7-member committee made up as follows: 3-representatives from the Green Bay School System, 1-representative from the Green Bay Human Resources Department, and 3-representatives from the Green Bay Police Department, delegated by the Chief of Police.

7.1.4 An officer not selected as an SRO shall have the right to grieve the decision of the Selection Committee through the grievance procedure. Only reasons capable of objective proof shall be considered in the event that a determination of non-qualification is made and grieved. The SRO Interview process will consist of the following scoring:

a. Seniority – 25 possible points:

21 or more years =	25 points
16-20 years =	20 points
11-15 years =	15 points
6-10 years =	10 points

b. Interview – 30 possible points:

90-100 points =	30 points
80-89 points =	25 points
70-79 points =	20 points
0-69 points =	0 points

c. Resume/Cover letter - 15 possible points

d. Scenarios - 30 possible points

Candidate's overall score from the interview, resume/cover letter and scenarios must be at 70% or higher to continue in the process. Upon successful completion with a score of 70% or higher, the candidate's seniority points will be added to their score for a final score. Candidates will be ranked by their final overall score and the candidate with the most points will be offered the position.

7.1.5 Tenure of the assignment shall be based on the adequate performance of officer and ongoing evaluations by both police and school administrators. If, in the estimation of the school administrators, the officer is demonstrably unacceptable, a recommendation would be made to the Chief of Police that the services of the officer as a School Resource Officer in the school be terminated. Upon receipt of said recommendation, the Chief of Police shall notify the officer in question of the recommendation, which notification shall set forth in writing the reasons for the recommendation. In the event the officer does not accept the recommendation, s/he shall have the right to grieve such through the grievance procedure set forth in the labor agreement. Only reasons capable of objective proof shall be considered in the event such a recommendation is made and grieved. If the recommendation is sustained in the grievance, or alternatively, if the officer fails to grieve within the time limits of the grievance procedure, the officer shall be returned to regular duty in the Police Department pursuant to the provisions of 7.1.6 below. If the recommendation is not sustained in the grievance procedure, the officer shall remain as a School Resource Officer.

7.1.6 Should an officer choose to leave the program, they may do so by requesting the same. If the officer decides to return to regular duty during the first 30-days in the School Resource Officer program, they shall return to their previous assignment and shift. After one year, if the officer leaves the School Resource Officer program, they shall have to return to whatever opening exists in the Patrol Division until such time that openings arise on other shifts and the officer's department seniority allows movement to another shift.

7.1.7 School Resource Officers shall receive pay consistent with Schedule A of this Agreement.

7.1.8 The SRO shall work a 5/2 work schedule during the school year. Hours of work for this position shall be 7:00a-3:30p. Summer schedule is a 5-2/4-3 schedule. Each SRO shall accumulate 1-work day every other week while school is in session and bank that day for off time during the summer months. Accumulated banked days cannot be carried over to the next school year.

7.2 SELECTION PROCESS. The following process will be followed for filling positions on the following specialty teams listed in this article. ~~This selection process will be for all new appointments occurring after June 22, 2016.~~

7.2.1 POSTING. All specialty team and detective positions will be announced either through posting or electronic communication to all officers. The announcement will include a description of the assignment; the closing date if any to apply for the assignment; requirements to be eligible for assignment; expiration date of the list; and description of the selection process.

7.2.2 OFFICER APPLICATION. The posting will indicate if the officer needs to provide written

notice, prepare a letter of interest, provide a resume, or other means of applying for the assignment.

7.2.3 PROCESS FOR SELECTION. The selection process may consist of the following:

a. Candidate must meet posted requirements to be considered further for the assignment or specialty position.

b. If a physical fitness test is required the officer must pass the physical fitness requirements. Physical fitness testing will be required for Canine Unit, Canine Decoy, SWAT Team, SWAT Decoy, Dive Team, Dive Team Support Officers, and Marine Unit.

c. If a written test is required the officer must pass the written test with a score of 70 or higher to continue in the process. The written test will have a value of 100 points and the officer's score will equate to the number of points received on the written test.

d. Interview process with an interview team selected by the Chief of Police or designee which will consist of at least the following: one Command Officer~~Police Supervisor~~, one GBPPA Board member and one of the following options

- 1 GBPD member presently serving on the unit/assignment in question, or
- 1 member from an outside agency or civilian with appropriate "skill set", or
- 1 civilian on the following interview panels: School Resource Officer, Mental Health Officer, Youth Coordinator Officer, and Community Policing.

Officer must receive 70 or higher to continue in the process. The interview will have a value of 100 points and the officer's score will equate to the number of points received by the interview committee. At the officer's request the officer may review their file prior to the interview.

e. If a peer review is required it will be led by the ~~Police Supervisor~~Command Officer of the specialty unit and members of the specialty unit selected by the Chief of Police or designee. Officer must receive 70 or higher to continue in the process. The highest and lowest scored peer reviews shall be disregarded when calculating an officer's score. The peer review will have a value of 100 points and the officer's score will equate to the number of points received by the peer review committee.

f. Department file review will be conducted by a Police Supervisor and other(s) selected by the Chief of Police or designee. Officer must receive 70 or higher to continue in the process. The department file review will have a value of 100 points and the officer's score will equate to the number of points received for the department file review. Candidates will be given 0-20 points in each category based on the contents of the employees personnel file.

i. Performance Evaluation Rating - 20-Points: Review all Performance Evaluations. Points based on ratings and evaluations of candidate's performance by Department supervisors throughout the officer's career. Heavier weight given to more recent ratings.

ii. Discipline History – 20-Points: Review discipline history for patterns of

misconduct. Higher points for no discipline. More recent and greater penalties result in loss of points. The older the discipline the less important- for instance, a 10-day suspension served in 2015 would cause a greater loss of points than a 10-day suspension in 2005, assuming there is no pattern of behavior. Consideration given for the amount of time on the job.

iii. Formal Education - 20 points: Review employees file for formal education beyond high school.

iv. Department / Police Training - 20 points: Review file for department and police related training taken during the officer's career. Consideration given for the amount of time on the job

v. Community Policing / Constitutional Policing Orientation - 20 points: How well has the employee demonstrated the principles of Community and Constitutional Policing. How well has the candidate worked on improving the quality of life and solving problems for people in the City. Consider Citizen Letters, commendations, assignments, etc.

g. Upon successful completion of the selection process, the officer's seniority points will be added to their score for a final score. Using the officer's seniority date, officers will receive one point for every 3-complete years of service.

h. Officers will be ranked by their final overall score and the officer with the most points will be offered the position. In the event of a tie the officer with the highest seniority will be offered the position.

i. Weighted values of the selection process are as follows:

(A) 2-Step Selection Process
- Interview = 60%
- Department File Review = 40%

(B) 3-Step Selection Process without Peer Review
- Written Test = 30%
- Interview = 40%
- Department File Review = 30%

(C) 3-Step Selection Process with Peer Review
- Interview = 40%
- Peer Review = 35%
- Department File Review = 25%

(D) 4-Step Selection Process with Peer Review
- Written Test = 25%
- Interview = 35%
- Peer Review = 25%
- Department File Review = 15%

7.3 CANINE UNIT. To provide maximum availability for normal canine handling duties, newly appointed Canine Unit officers shall not serve on more than one other specialty unit at the same time.

7.3.1 Qualifications for this position are:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process for Canine Officers will be in accordance with 7.2.3.i.(C).

c. Commitment by the officer to remain in the program for 5-years. The commitment requirement is met by the employee spending 3-years in the program. Any officer who enters the program and becomes eligible for promotion during the first 3-years of the program must waive their opportunity for any promotion until the full 3-year commitment to the program is completed unless the parties mutually agree otherwise.

d. For Canine Officer's appointed after July 1, 2016 the length of assignment will be 10 years or the work life of 2 of the officer's dogs, whichever is greater. The Canine Officer may be considered for additional Canine Officer assignments by applying for the position.

7.3.2 The Canine Unit shall work 5-days on, followed by 3-days off on a rotating schedule. The Canine Unit shall work 8½-hours per day in the same manner as shift personnel.

7.3.3 The Canine Officer shall be responsible for 17-hours of maintenance training per month on a yearly average. Canine officers shall be paid at straight time pay for up to 171-hours in the 28-day cycle, if the training pushes the officer over the 171-hours they would receive 1½ pay for those hours (this provision is to address training only and is not a waiver of other contractual overtime i.e. time in excess of 8½ hours in a day). Additional training shall be available with supervisory approval.

a. When feasible all canine officers will train together as a unit.

b. Training will be twice per month.

c. Training will be allowed regardless of staffing or call volume, except in emergency situations as determined by the Chief of Police or designee.

7.3.4 The Canine Unit shall submit to recertification training as scheduled by the Department. A Canine Patrol Officer shall adjust their workweek for training purposes and be compensated at the straight time rate for all time spent in recertification training. When the Department adjusts the workweek, an officer's adjusted off day(s) will be placed either immediately before or immediately after the officer's regular off days in the week following recertification training.

7.3.5 Canine demonstrations shall be authorized by the Operations Commander and shall be compensated by compensatory time at straight time on an hour-for-hour basis. Canine demonstrations shall be mutually agreed upon by both the Canine Patrol Officer and the Operations Commander. Mandatory demonstrations shall be paid at 1½-times.

7.3.6 Vacation and other off time shall be administered on an hour for hour basis in the same manner as shift personnel.

7.3.7 Canine Patrol Officers shall be paid for the same number of hours for holidays as if they were a regular shift employee.

7.3.8 The Canine Patrol Officer shall be allowed to use the Canine vehicle for personal use within the city limits if the Canine partner is along in the car with the officer.

7.3.9 When there is not a GBPD Canine working in accordance with Section 7.3, a GBPD Canine shall be called in by seniority; except that an on-duty Canine Unit from another police agency shall be called in if it is available for immediate response and the time of response is in good faith considered to be as fast as that of an off-duty GBPD Canine Unit.

7.3.10 A retired Canine may be used in exceptional circumstances with the mutual agreement of the City of Green Bay and the Green Bay Police Bargaining Unit.

7.3.11 As long as the option outlined in 7.3.10 exists, the City shall be responsible for routine medical costs, but not treatment for illness or injury (except on-duty injuries).

7.3.12 The Canine Patrol Officer shall be subject to the residency requirements as outlined in Article 35, Residency, of the Agreement.

7.3.13 The Canine Patrol Officer shall be paid $195 per pay period for all care and maintenance of the canine. If the Canine Patrol Officer must take the canine to the vet for care, the officer shall receive payback time at the straight time rate for time spent at the veterinary office.

7.3.14 Existing Canine Officers will not be subject to fitness/agility testing identified in 7.2.3(b).

7.3.15 Canine Decoys will assist canine handlers during training both on training days and while on shift and attend training as approved by the appropriate supervisor. Canine Decoy requirements are:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.i (A).

c. The number of Canine Decoys will be set by the department based on need.

d. Canine Decoys will serve in this position for 3-years with an optional 1-year extension with mutual agreement of the parties.

e. Canine Decoys will rotate training days based on seniority first, and then whoever is next available. If a Canine Decoy cannot make a training day they will not lose their spot on the rotation. A Canine Decoy will only be used when training plans call for a Canine Decoy(s) as approved by the appropriate supervisor.

f. Officers assigned as a Canine Decoy may, when decoy training school is available, be sent to decoy training once based on length of time remaining in the assignment and seniority.

g. Canine Decoy officers will train in conjunction with the Canine Team personnel under the Canine Unit training guidelines. Canine Decoy officers may flex their workday to attend training in accordance with 7.21.

h. Officers engaging in other Canine Decoy duties on their off time will be compensated at time for time payback. Supervisory approval will be required prior to any member flexing their hours or performing duties on their off time.

i. An officer may only serve as a Decoy for one unit at a time.

j. Canine Decoys will not be on the Canine call out list.

k. Canine Decoys may be removed by written request of a majority of the Canine Unit members.

7.4 SWAT TEAM.

7.4.1 SWAT Team requirements include:

a. Minimum of 3-years as a police officer.

b. Attend SWAT training as required.

c. Be willing to respond to SWAT call-ups and serve in whatever capacity as required by the OIC on the scene.

d. The selection process will be in accordance with 7.2.3.i.(C).

e. The SWAT Team may train up to 12¾-hours per calendar month. Hours may not be carried over outside the calendar month except the SWAT Commander may grant exceptions on a case-by-case basis to facilitate special training needs. The compensation for this training shall be actual hours at time for time via payback for those on their off time. All training plans and schedules must be approved by SWAT supervisory personnel. SWAT Team officers may flex their workday to attend training in accordance with 7.21.

f. SWAT snipers are allowed up to an additional 2-hours per calendar month, or 4-hours every other month, for specialized sniper training, subject to the provisions in e. above.

g. All SWAT Team members may earn up to 3-hours of time for time payback per month for physical conditioning time. The tracking of these hours shall be monitored between the SWAT Team members and SWAT Command staff.

h. The City shall provide SWAT members with certain basic clothing and safety equipment as needed. (Examples include but are not limited to: kneepads, safety glasses/goggles, basic duty uniform, holster, protective gloves.) The initial costs as well as replacement costs of such equipment shall be based on average costs determined by the SWAT Command staff.

EXAMPLES:

i. Night shift officer is scheduled to attend training January 4, 8:00a–4:30p. This takes the place of the officer's shift of January 3. At 9:00p on January 2, (outside 24-hours prior to the affected shift) it is determined the officer's absence would cause the shift of the 3rd to drop below the 2-person buffer. The officer is to be notified they cannot attend the training, and be placed back on the officer's regular shift.

ii. Day shift officer is scheduled to attend training January 4, 8:00a-4:30p. The officer flexes to these hours. It is determined at 6:00a that day that the 2-person buffer is not met. Upon arrival for training the officer could be required to resume normal patrol duties for the remainder of the shift.

iii. Afternoon shift officer is scheduled to attend training January 4, 5:00a-1:30p. This takes the place of the officer's shift of January 4, 2:15p-10:45p. On January 3 at 9:00p, it is determined the 2-person buffer shall not be met due to a sick

call-in and injury. This occurred inside the 24-hours, and thus the officer would still be allowed to attend the training and any shift OT would be filled.

iv. The Shift Commander may grant exceptions on a case-by-case basis dependent on the needs of the road. It is the officer's responsibility to adhere to the 14¼ hour maximum hours.

7.4.2 SWAT team members will follow all procedures and guidelines set forth in the SWAT Policy of the Green Bay Police Department. Applicants should review the policy prior to applying.

7.4.3 Members shall be subject to the residency requirements as outlined in Article 35, Residency, of the Agreement.

7.4.4 CRISIS NEGOTIATOR. The department shall maintain up to 6-officers trained as Crisis Negotiators. This cadre of officers shall be managed by the SWAT Command staff. Crisis Negotiator requirements include:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.i.(C).

c. Officers currently holding the position of negotiator shall retain their status if desired.

d. Crisis Negotiators shall train up to 4-hours per month. The SWAT Commander may grant exceptions on a case-by-case basis to facilitate special training needs. The compensation for this training shall be actual hours at time for time via payback for those on their off time. All training plans and schedules must be approved in advance by SWAT supervisory personnel.

e. Crisis Negotiators may flex their workday to attend training in accordance with 7.21.

f. Negotiators shall be trained in Command Post Bus and CAD operation.

f. Crisis Negotiators shall be provided with clothing identifying them as a Negotiator for use during official call-outs and as requested by SWAT Command staff. This item shall be determined by the SWAT Commander and replaced as necessary.

g. Management reserves the right to determine how many Crisis Negotiators are required in the event of a call-in. Call-in's shall be compensated per Article 6 of this Agreement.

h. Crisis Negotiators shall be subject to the residency requirement as outlined in Article 35 of this Agreement.

7.4.5 SWAT Decoy: SWAT Decoy requirements are:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.i (C).

c. The number of SWAT Decoys will be set by the department based on need.

d. SWAT Decoys will serve in this position for 3-years with an optional 1-year extension with mutual agreement of the parties. If no other officer applies for a SWAT Decoy position a current SWAT Decoy may apply for an additional 3-years. If there are

enough officer(s) applying for a new posting, a current SWAT Decoy will not be eligible to reapply until all other officers have had a chance to work as a SWAT Decoy.

e. SWAT Decoys will rotate training days based on seniority first, then whoever is next available. If a SWAT Decoy cannot make a training day they will not lose their spot on the rotation. A SWAT Decoy will only be used when training plans call for a SWAT Decoy(s) as approved by the appropriate supervisor. SWAT Decoy officers may flex their workday to attend training in accordance with 7.21.

f. Officers engaging in other SWAT Decoy duties on their off time will be compensated at time for time payback. Supervisory approval will be required prior to any member flexing their hours or performing duties on their off time.

g. An officer may only serve as a Decoy for one unit at a time.

h. SWAT Decoys will not be on the SWAT call out list.

7.4.6 Members of SWAT and SWAT Decoys may be removed by written request of the team leader and a majority of the SWAT members.

7.5 FTO PROGRAM. Officers performing the duties of a field training officer shall be compensated at a rate of $1.25 per hour for time actually spent training officers under the program ~~(new rate effective November 25, 2013)~~. Management maintains its right to make FTO assignments from the existing pool of qualified FTOs. The officers so chosen shall serve as FTOs upon assignment until the Chief of Police or designee and the officer mutually agree to the officer's removal.

7.5.1 FTO requirements include:

a. Minimum of 3-years as a police officer.

b. The selection process will be in accordance with 7.2.3.i.(B).

7.5.2 FTO's may flex the hours in their workday to attend meetings, training, or conduct training.

7.5.3 FTO's attending meetings, training, or conducting training on their off day, or outside their regular hours, shall be compensated at time for time payback.

7.5.4 The expectation of the FTO is to complete all Daily Observation Reports (DOR) by the end of the work shift that is being evaluated, or prior to the start of the next work shift. With prior approval from a Field Training Supervisor (FTS) an FTO may finish the DOR at the end of the work shift being evaluated, or prior to the next work shift. Such time will be compensated at time for time payback.

7.5.5 Supervisory approval will be required prior to any FTO flexing their hours or performing work outside their regular duty hours.

7.6 COMMUNITY POLICING UNIT (CPU).

7.6.1 CPU requirements include:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.i.(D).

7.6.2 Job Duties. CPU Officers shall be assigned geographical boundaries with the basic mission to interact with the neighborhood and community with the officers using their

own initiative in solving problems and meeting neighborhood and community needs. Specific job duties shall be determined and set by the department from time to time.

7.6.3 Shift Assignments. CPU Officers appointed after June 22, 2016 shall be assigned to the midday shift in the patrol division. Core hours for all newly appointed CP's will change from afternoon (2:15p-10:45p) to midday (10:30a-7p), but all current CP's shall retain their current core hours and corresponding shift differential.

7.6.4 Shift Schedule Deviations. With supervisory approval CPU Officers may voluntarily deviate from the afternoon shift schedule to accommodate the neighborhood/ community needs as long as hours consistent with the 5/3 schedule are maintained.

7.6.5 Excess Hours. Hours approved by a supervisor that are worked in excess of the scheduled workday shall be compensated in accordance with Article 6. An exception is when the approved work is performed at the initiative of and voluntarily by the officer to meet the needs of the officer's neighborhood community. These hours are compensated at straight time off in compliance with FLSA limitations. No officer may alter a work schedule for the sole purpose of qualifying for posted overtime with the exception of Packer Games.

7.6.6 Vacation. CPU Officers shall select vacation separate from the afternoon shift of the Operations Division, however may not schedule the same time period as their geographical partner without approval of the supervisor.

7.6.7 Youth Coordinator Officer (YCO): Requirements of this position include:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.i.(A).

c. The YCO will not count toward shift staffing.

d. Core hours midday (10:30a-7p) Administrative schedule Tuesday–Saturday, Tuesday–Friday.

e. YCO shall select vacation separate from the Mid-Day shift of the Operations Division.

f. This will be a 3-year assignment, with a possible extension of an additional 1-year. Upon completion of this assignment, the officer will return to the division where the officer left and slot in where the officer's seniority will take them. The officer may apply for an alternative position available by department wide posting during or at the completion of this assignment. Once an officer accepts and is assigned to the position as a Youth Coordinator Officer, that officer will not be eligible for another YCO assignment until all other eligible officers have had an opportunity to accept and be assigned to the YCO position.

g. As part of the CPU, the YCO position will subject to provisions of 7.6.2 and 7.6.4-7.6.6.

7.6.8 Other Assignments. Except in cases of emergency, CPU and YCO Officers shall not be reassigned, or voluntarily work to fill minimum staffing, CPU Officers will not be assigned to or voluntarily work posted special events outside of their community policing zone.

7.6.9 NEIGHBORHOOD RESPONSE TEAM (NRT): The Neighborhood response team shall be comprised

of officers from the operations division (number determined by the chief of police) who shall perform similar duties as a Community Police Officer but shall not be assigned to a particular neighborhood. The NRT shall be used, in whole or part, in conjunction with investigations, patrol and community police to focus directed patrol strategies to include but not limited to gun violence, violent crime, and social disorder. Requirements of NRT Officer include:

a. Minimum of 3-years as a Green Bay Police Officer

b. The Selection process will be in accordance with 7.2.3.i. c.

c. NRT Officers will not count towards staffing.

d. Core hours will be 4:00 PM to 12:30 PM on a 5/3 work schedule

e. NRT officers may flex their workday up to and including afternoon shift or evening shift only.

f. Vacation. Up to 50% NRT Officers shall be allowed off for vacation or other time off unless approval is obtained from the supervisor. In the event there are an odd number of NRT officers, the eligibility for vacation will be rounded up.

g. Excess Hours. Hours approved by a supervisor that are worked in excess of the scheduled workday shall be compensated in accordance with Article 6. An exception is when the approved work is performed at the initiative of and voluntarily by the officer to meet the needs of the officer's duties. These hours are compensated at straight time off in compliance with FLSA limitations. No officer may alter a work schedule for the sole purpose of qualifying for posted overtime with the exception of Packer Games.

h. Shift differential: NRT will receive shift differential of four hours a month per article 11.1

i. Other Assignments. Except in cases of emergency, NRT Officers shall not be reassigned, or voluntarily work to fill minimum staffing or special events.

7.7 DIVE TEAM:

7.7.1 Dive Team requirements include:

a. Minimum of 3-years as a police Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.i.(C).

c. The training of the dive team shall be up to 12-training sessions per year. Training shall be preapproved by the dive team supervisor. The number of training sessions may be increased with the approval of the Chief of Police. It's contemplated that training sessions shall include all members of the dive team for training. Training

that can be conducted by dive team members may be done in smaller groups. Dive team members may not attend training as a part of their work day if the attendance creates overtime on their shift.

d. Members may flex their work day or receive payback compensation for attending or conducting dive related meetings and/or training on their work day. Members attending or conducting dive related meetings, equipment maintenance and/or training on their off time shall be compensated at time for time payback. Supervisor approval shall be required prior to any member flexing their hours or performing duties on their off time.

e. Members must be willing to respond to Dive Team call-ups pursuant to the procedures for allocation of overtime assignments under Article 6, and perform the duties as required by the OIC in charge (i.e. drivers, linetenders or other duties) excluding assignment as boat driver.

f. Members must attend SCUBA certification training and any other training deemed necessary by the Dive Team Commander.

g. Members must follow all procedures and guidelines set forth in the Dive Team Policy of the Green Bay Police Department. Applicants should review the policy prior to signing up.

h. Dive Team Members shall be subject to the residency requirements as outlined in Article 35, Residency, of the Agreement.

i. All Dive Team members may earn up to 3-hours of time for time payback per month for physical conditioning time. The tracking of these hours shall be monitored between the Dive Team members and the supervisor.

7.7.2 Dive Support officers will be responsible for providing support for the Dive Team in the area of equipment maintenance and operation, diver line tending, general assistance to the divers, and other duties as needed. Dive Team Support Officer requirements include:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.(C).

c. The department will maintain up to 6-Dive Support officers.

d. Management reserves the right to determine how many Dive Support officers are required in the event of a call-in. Call-ins will be compensated per Article 6.

e. Dive Support officers will train in conjunction with the Dive Team personnel under the Dive Team Training guidelines. The Dive Commander may grant exceptions on a case-by-case basis to facilitate special training needs. Dive Support officers may flex their workday to attend training in accordance with 7.21.

f. Officers engaging in other Dive Support duties on their off time will be compensated at time for time payback. Supervisory approval will be required prior to any member flexing their hours or performing duties on their off time.

g. When an opening for a position of Diver becomes available, the position will first be

offered to Dive Support officers by seniority, prior to a general department posting.

7.7.3 Members of the Dive Team may be removed by written request of the team leader and a majority of the Dive Team members.

7.8 MARINE UNIT: When trained, officers assigned to the unit shall be deemed qualified to receive assignment to patrol the Fox River within the City of Green Bay and operate the Dive Team Boat under the procedures for allocation of overtime assignments contained in Article 6. The Marine Unit or Dive Team is at the mercy of the weather; therefore, the assignment may be cancelled at any time prior to the scheduled starting time without relief. Once the assignment starts and, in the case of the Marine Unit if it was scheduled for 3-hours or more, there shall be a minimum of 3-hours paid. The decision to cancel a Marine Unit assignment shall be made by a Marine Unit supervisor or the Shift Commander.

7.8.1 The department will create a Marine Unit, whose duty will be operation of the department watercrafts for purposes of harbor patrol and boat operation, including all related equipment, both for general harbor patrol duties, and watercraft operation in support for the department Dive Team. Marine Unit requirements include:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.i.(C).

c. The department will maintain a minimum of 10-officers in the Marine Unit.

d. Management reserves the right to determine how many Marine Unit officers are required in the event of a call-in. Call-in's, as well as posted harbor patrol details will be compensated per Article 6.

e. Marine Unit officers will receive training in general watercraft operation, care, operation and maintenance of related equipment, navigation training, related waterway laws, and skills required for operation around divers.

f. Marine Unit officers will train up to 3-hours per month during the months the department watercraft are in the water and available for immediate deployment. The Marine Unit Commander may grant exceptions on a case-by-case basis to facilitate special training needs. Officers will train on a rotating basis with the Dive Team as scheduled by the Dive Team supervisory personnel. When not assigned to Dive Team training that month, the remaining Marine Unit officers will train separate from the Dive Team. Compensation for training will be actual hours at time for time via payback for those on their off time.

g. Marine Unit officers may not attend training or perform equipment maintenance as part of their work-day if the attendance creates overtime on their shift. Marine Unit officers may flex their workday to attend training in accordance with 7.21.

h. Officers engaging in other non-call-in Marine Unit duties on their regular off time will be compensated at time for time payback. Supervisory approval will be required prior to any member flexing their hours or performing duties on their off time.

7.9 COMMUNITY CRISIS INTERVENTION TEAM (CCIT):

7.9.1 CCIT requirements include:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.i.(A).

7.9.2 The purpose of the CCIT is to:

a. Establish a task force of officers to become the CCIT experts for the department.

b. Track CCIT related calls for service to assist with analyzing mental health issues and calls for services to allow for the adoption of a problem-solving approach to mental health issues.

c. Enhance community awareness and safety through information sharing.

d. Increase officer safety through training and effective information sharing.

e. Enhance community safety and reduce department workload by connecting consumers with services to help solve underlying problems thus trying to reduce chronic repeated calls with the same individual.

7.9.3 Composition/Method of Selection: The Department will attempt to assign officers from the following shifts:

3-Day Shift	2-Midday Shift	3-Afternoon Shift
2-Evening Shift	3-Night Shift	3-Community Police
3-School Resource	2-Detective	

The number of members assigned per shift shall be maintained. If a vacancy occurs because of a member leaving the shift or the team, then the position shall be posted for that shift. Those officers currently possessing the initial 40-hour introductory training through National Association on Mental Illness at the time the initial team posting comes down, shall become voluntary members of the team if they choose (aka: grandfathered) and be eligible for all provisions of 7.9. Should an officer choose to move to another shift or position, the officer shall be allowed to participate, but shall not be eligible for training and compensation provisions of 7.9. Any such officer may post back into full team status via future postings.

7.9.4 Training Opportunities: Members selected to the CCIT shall receive CCIT and mental health related training. Members shall then select a CCIT specialty (two to three members per specialty), such as Post Traumatic Stress Disorder (PTSD), Schizophrenia, Alzheimer's and Elder care issues, etc. for focused training. The number of members in a specialty area and the selection of a specialty shall be made between the members of the CCIT and their supervisor with the supervisor having the final decision. The member shall then voluntarily attend any professional meetings and/or training within the employee's specialty. Specialized and non-specialized training opportunities and meetings shall be rotated among the members of the CCIT.

7.9.5 Compensation: Members attending CCIT related meetings and/or training shall be allowed to flex their hours in their work day. Members attending CCIT related meetings and/or training on their off day shall be compensated at time for time rate via payback. Members shall be allowed to voluntarily perform CCIT duties on their off time and shall be compensated at time for time rate via payback. Members who present or conduct training outside of their normal work hours shall be compensated at time for time via

payback. Members shall be compensated for travel time and such travel time shall be included in the total sum of time beginning when members leave the GBPD and end when they return to the department. Supervisory approval shall be required prior to any member flexing their hours or performing duties on their off time. Under no circumstances shall an officer receive contractual overtime based on their membership in the CCIT. All compensation must be in compliance with the Fair Labor Standards Act.

7.9.6 Duties: The following duties shall be in addition to the duties of the officer in their current capacity:

a. Conduct follow-up investigations and analysis of CCIT related activity.

b. Present to community groups about CCIT, mental health issues and the department response.

c. Participate in and represent the GBPD at professional law enforcement organization meetings regarding CCIT and mental health issues.

d. Participate in and represent the GBPD at mental health organization meetings regarding CCIT and mental health issues.

7.9.7 Mental Health Officer (MHO): MHO requirements are:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.i.(A).

c. Officers selected for the MHO position will attend and complete the 40 hour CIT Certification Course.

d. Officers will be assigned to an administrative schedule, (5-2, 4-3); Monday – Friday and Tuesday-Friday; the primary hours will be 10:30 am-7:00 pm.

e. Except in cases of emergency, MHOs shall not be reassigned, or voluntarily work to fill minimum staffing.

f. With supervisory approval MHOs may voluntarily deviate from their shift schedule to attend meetings, appointments, etc. as long as hours consistent with the Administrative schedule are maintained.

g. MHOs shall select vacation separate from the Mid-Day shift of the Operations Division.

h. Hours approved by a supervisor that are worked in excess of the scheduled workday shall be compensated in accordance with Article 6. An exception is when the approved work is performed at the initiative of and voluntarily by the officer to meet the needs of the officer's assignment as MHO. These hours are compensated at straight time off in compliance with FLSA limitations. No officer may alter a work schedule for the sole purpose of qualifying for posted overtime with the exception of Packer Games. (CPTE)

i. This will be a 3-year assignment, with a possible extension of an additional 1-year. Upon completion of this assignment, the officer will return to the division where the officer left and slot in where the officer's seniority will take them. The officer may apply for an alternative position available by department wide posting during or at the completion of this assignment. An Officer may reapply but the list of

candidates must be exhausted prior to receiving an additional assignment.

7.10 CRITICAL INCIDENT STRESS MANAGEMENT TEAM (CISM):

7.10.1 The purpose and requirements of the CISM team are:

a. Establish a team of officers to become skilled in facilitating CISM related debriefings, defusing, managing, supporting and educating officers involved in critical incidents.

b. Provide individual, voluntary and confidential coaching for officers in trauma recognition and resolution, job stress management strategies, and professional growth and development.

c. Minimum of 3-years as a Green Bay police officer.

d. The selection process will be in accordance with 7.2.3.i.(B).

7.10.2 Composition/Method of Selection: The senior officers from the following shifts/ divisions who apply for this Team will be selected:

3-Day shift	2-Midday shift	3-Afternoon shift
2-Evening shift	3-Night shift	2-Community Police Officers
2-Detective Division	2-School Resource Officers	

The number of members assigned per shift shall be maintained. If a vacancy occurs because of a member leaving the shift or the team, then the position will be posted for that shift. Should an officer choose to move to another shift or position, the officer will be allowed to participate, but will not be eligible for training and compensation provisions of this provision. Any such officer may post back into full team status via future postings.

7.10.3 Training Opportunities: Members selected to the CISM will receive CISM related training. Members will then select a CISM specialty such as Debriefing, Defusing, Grief and Loss, Crisis Management Briefing, Critical Incident Adjustment Support or Pre-Crisis Education. The number of members in a specialty area and the selection of a specialty will be made between the members of the CISM and their supervisor with the supervisor having the final decision. The member will then voluntarily attend any professional meetings and/or training within the employee's specialty. Specialized and non-specialized training opportunities and meetings shall be rotated among the members of the CISM.

7.10.4 Compensation: Members attending CISM related meetings and/or training shall be allowed to flex their hours in their work day. Members attending CISM related meetings and/or training on their off day shall be compensated at time for time rate via payback. Members will be allowed to voluntarily perform CISM duties on their off time and will be compensated at time for time rate via payback. Members who present or conduct training outside of their normal work hours will be compensated at time for time via payback. Members will be compensated for travel time and such travel time will be included in the total sum of time beginning when members leave the GBPD and end when they return to the department. Supervisory approval will be required prior to any member flexing their hours or performing duties on their off time. Under no

circumstances will an officer receive overtime based on their membership in the CISM.

7.10.5 Duties: The following duties will be in addition to the duties of the officer in their current capacity:

a. Facilitate critical incident debriefing at shift level and department level.

b. Provide private crisis intervention services as needed, while working within level of competence and make appropriate referrals.

c. Communicate ongoing information to the CISM coordinator after deployment.

d. Attend and facilitate CISM training to maintain skills and abilities.

e. Update peer support nomination/information forms to reflect current experience, education, and training in crisis management.

7.11 HONOR GUARD UNIT:

7.11.1 Honor Guard requirements include:

a. There are no minimum years of experience required.

~~b. The selection process will be in accordance with 7.2.3.i.(A).~~ There will be a Department wide posting and selection based on seniority.

7.11.2 Honor Guard members selected to participate in Honor Guard Unit events shall be allowed to flex the hours in their workday for the purpose of travel to and/or attendance at events as requested by the Honor Guard Commander or designee.

7.11.3 This is intended to primarily apply to events where attendance at the event would serve as part or all of their workday depending on the length of the event.

7.11.4 Events short in nature, generally under 5-hours in length, shall continue to be compensated via payback for those on their normal off time.

7.11.5 Voluntary training attended by a member on their normal off time shall be compensated at a time for time rate via payback.

7.12 POLICE MOTORCYCLE OPERATOR/INSTRUCTOR:

7.12.1 Motorcycle Operator Qualifications:

a. Minimum of 3-years as a Green Bay police officer.

b. Current Class M (motorcycle) endorsement.

c. Successful completion of the Motorcycle Operator certification course.

d. Position openings will be based on needs and/or openings on a shift.

~~e. The selection process will be in accordance with 7.2.3.i.(A).~~ The Chief will post department wide the number of positions available to attend the Motorcycle Operator certification course. If more officers sign to attend the Motorcycle Operator certification course than positions available or anticipate to be available, then seniority will determine who attends the training.

7.12.2 Motorcycle Instructor/Operator: In addition to all requirements in 7.12.1:

a. Successfully complete a nationally recognized Police Motorcycle Instructor Course.

b. Successfully complete Instructor recertification.

c. The selection process will be in accordance with 7.2.3.i.(B).

7.12.3 Police motorcycle instructors shall perform instruction under the same guidelines as members of the Training Unit with regards to compensation and flexing of work days/hours.

7.12.4 Police Motorcycle operators shall be selected from the Community Police from all shifts.

7.12.5 All other standards set forth in the GBPD Policy 6-2, Motorcycle Unit shall apply.

7.13 TRAFFIC CRASH RECONSTRUCTION TEAM:

7.13.1 Requirements include:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.i.(B).

7.13.2 New members shall be limited to those in the uniformed Patrol Division. Officers being awarded this status must successfully complete extensive initial training sessions for the position. Officers shall flex their workday/workweek to attend Traffic Reconstruction Team training.

7.13.3 The desirable qualification of the Traffic Crash Reconstruction Team is a commitment by the officer to remain on the team for 5-years. Any officer who enters the program and becomes eligible for promotion during the first 3-years of the program must waive the officer's opportunity for any promotion until the full 3-year commitment to the program is completed.

7.13.4 Should an officer accept a position outside of the patrol division, excluding promotion to Command Officer~~supervisory~~ rank, such officer shall retain the officer's status as a Traffic Crash Reconstruction Team member.

7.13.5 A Traffic Crash Reconstruction Team member may elect to discontinue the officer's status as a member after satisfying the 5-year commitment.

7.13.6 It is contemplated that this team shall be comprised of 4-members.

7.14 TRAINING UNIT: To establish a formal Training Unit made up of officers and supervisors responsible for providing continuing training in the Green Bay Police Department. The Department shall determine the number of officers in the Training Unit and the subjects of training for members of the Department. The Training Unit shall relate to training in the certifications of firearms, DAAT, EVOC, professional communications and vehicle contacts.

7.14.1 Training Unit requirements include:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.(B).

c. Rangemaster must receive DAAT and Firearm certification within 6-months of appointment. If selected candidate does not have the necessary training at the time of appointment, DAAT and Firearm training will be paid by the Police Department.

7.14.2 Composition of Unit. The Training Unit shall be comprised of members of the GBPD. One-half of the members of the Training Unit may come from the supervisors of the Department. One-half of the Training Unit shall come from members of the Police

Association. Note: Management reserves the right to determine the supervisors who shall be part of the unit on an annual basis. The Rangemaster position and duties of that position shall continue to be a GBPPA bargaining unit position. The Rangemaster position shall be included as part of the Training Unit. The Professional Standards supervisory staff may assign the Range Master to other shifts or work hours on their normal workday for training purposes.

7.14.3 Selection of Trainers. The complement of trainers would be selected from officers from Days/Special (excluding SROs and DTFs), Afternoons/CPOs, Evenings/Nights and the Detective Division. These officers constitute the Core Training Unit. Once the Core Training Unit is formed the number maintained per shift shall be at the discretion of the Professional Standards Division (PSD), provided that the number shall not fall below the number set forth above. If the initial complement of Core trainers is expanded or needs to be replaced, the posting process shall be followed. Current officers not selected for the Core Training Unit, but who have active certification in one or more disciplines shall be included in the Training Unit as Non-Core members with the approval of the PSD. Any recertification shall be the responsibility of the officer; however the department may offer recertification training.

7.14.4 Participation in Training Unit. Any Training Unit members who receive department sponsored training shall be committed to the Unit for 4-years. Core Training Unit members who change from the shift where they had posted into the Core Training Unit status shall no longer retain their Core status; however, assignment to another shift, division or promotion shall not disqualify them from continuing in the Training Unit as a Non-Core Training Unit member or relinquish the member of their commitment to the Training Unit. Any Core Training Unit member who changes from the shift where they had posted into the Core position cannot automatically take an open Core Training Unit position on the destination shift without posting for the open position. The Training Unit members may be directed to use their skills in any department position as directed by the PSD.

7.14.5 Assignment of Training. A minimum of 50% of the training assignments in any calendar year (on an hour by hour basis) shall be assigned to members of the Association. The Rangemaster shall continue to perform firearms and DAAT training and all other training of department members on firearms and DAAT shall be shared on an equal (50%/50%) basis between supervisors and nonsupervisory officers. All training that Training Unit members attend shall be compensated under Article 29 of the Collective Bargaining Agreement with payback. All Training Unit meetings and training provided by Training Unit members who are instructing shall be compensated at time for time payback. Any time spent by a trainer in addition to 8½-hours conducting training shall be compensated at time and a half.

Unit members agree they are volunteering to change shifts as directed by the PSD. The PSD may assign instructors to other shifts or work hours for training purposes. The Department shall provide a 14-day notice for involuntary flexing of hours. The PSD may assign instructors to other shifts or work hours for in-service. Training Unit officers/supervisors conducting any training shall be required to document the training

as directed by the PSD and submit the documentation to the PSD.

7.14.6 Selection for Education Opportunities. Core Training Unit members shall receive first opportunity for any training in any discipline in the Training Unit by seniority by shift. Any training opportunity not filled by a Core Training Unit member would then be offered to a Non-Core Training Unit member having a discipline related to the offered training. Non-Core Training Unit members shall be restricted to training within their discipline. Any instructor certification course or training not taken by Core Training Unit members and outside of the discipline restriction requirement of the Non-Core Training Unit members will be posted department wide.

Training opportunities for each shift shall be determined on the basis of the needs of the shift and after the consultation with the Training Unit members and Association representatives. If only one officer is to be trained in a certification, the training will be determined by the Police Department from the Core Training unit membership. In addition to the Rangemaster, the two nonsupervisory Core Training Unit members on each shift shall be trained and be eligible for recertification training in Firearms and DAAT certifications. These officers shall be eligible for training and recertification training in other certifications.

7.14.7 This Training Unit defines and deems "training" as neither a supervisory nor non-supervisory duty assignment, nor a duty assignment which may be performed by either supervisors or non-supervisors.

7.15 PROFESSIONAL STANDARDS DIVISION OFFICER POSITION:

7.15.1 Officers shall be selected from the pool of active Field Training Unit Officers (FTO's) and the active Training Unit members (both core and non-core), one officer from each unit. "Active" is defined as those FTO's regularly assigned to administer training to a probationary officer for one or more of the four steps in the Field Training Process. An active Training Unit member is one who is regularly tasked to provide/develop training for department personnel. To qualify, an FTO must have previously been assigned at least one probationary officer for a minimum of one "step" as prescribed in the FTO program process. The active FTO/Training Unit lists to be used for selection shall be those maintained by the FTO Commander/Professional Standards Division (PSD).

7.15.2 Officers shall be assigned to this position for a 2-year, non-renewable period, regardless of the unit they were assigned from (FTO or Training). There is no time commitment to this position, however, once an officer accepts the position and leaves, whether by choice, completion of the assignment, or removed for cause, the officer shall not be eligible to re-apply.

7.15.3 Upon completion of this assignment, officers shall return to the opening available in the division they vacated, (Operations or Investigations) unless they post into an alternate position available at the completion of this assignment.

7.15.4 Officers shall be assigned to an administrative schedule, (5-2, 4-3), primary hours 7:00 a.m. to 3:30 p.m., with flexible hours dependent on the duties required. All flexing of hours require supervisory approval.

7.15.5 Officers retain the ability to sign for all overtime they would have been eligible for had

they not accepted the PSD position.

7.16 GANG IDENTIFICATION TASK FORCE (GITF):

7.16.1 The purpose and requirements for the GITF include:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.i.(C).

c. Establish a task force of officers to become the gang "experts" for the department.

d. Enhance community awareness and safety through information sharing.

e. Increase officer safety through effective information sharing.

f. Increase investigative effectiveness through information handling.

7.16.2 Composition and Method of Selection. 2-officers from the following shifts/divisions who apply for this Team will be selected:

Day Shift	Midday Shift	Afternoon Shift
Evening Shift	Night Shift	Community Police
School Resource	Detective	Animal Control

The number of members assigned per shift shall be maintained. If a vacancy occurs because of a member leaving the shift or the unit, then the position will be posted for that shift.

7.16.3 Training Opportunity. Members selected to the GITF will receive general gang related training. Members will then select a gang specialty (2-3 members per specialty), for focused training. The number of members in a specialty area and the selection of a specialty will be made between the members of the GITF and their supervisor with the supervisor having the final decision. The member will then voluntarily attend any professional meetings and/or training within their specialty. Specialized and non-specialized training opportunities and meetings shall be rotated among the members of the GITF.

7.16.4 Compensation. Members attending gang related meetings and/or training shall be allowed to flex their hours in their work day. Members attending gang related meetings and/or training on their off day shall be compensated at time for time rate, pay back. When mutually agreed upon and with supervisor approval, members will be allowed to voluntarily perform GITF duties on their off time and will be compensated at time for time, pay back. Supervisor approval will be required prior to any member flexing their hours or performing duties on their off time. Members will be compensated for travel time. Travel time will be calculated as follows: travel time will start when a member leaves the GBPD and arrives at the location of the training. After the training, travel time will resume from the training location and end when the member arrives back at the GBPD.

7.16.5 The following duties will be in addition to the duties of the officer in their current capacity.

a. Determine criteria for inclusion of suspected gang members into the gang database.

b. Analyze gang graffiti for content and commonality to determine origin.

c. Gather gang intelligence by gleaning information from police reports, through interviews of informants/gang members and by responding to gang related calls if officer availability allows.

d. Conduct follow-up investigations into gang related activity.

e. Maintain GBPD and other designated intelligence gang databases.

f. Train officers in gang recognition and gang enforcement techniques.

g. Present to community groups about gang awareness, recognition and response.

h. Participate in and represent the GBPD at professional law enforcement organization meetings regarding gang enforcement.

7.16.6 Reports related to gang activities shall be forwarded to members of the GITF for analysis. Members of the GITF shall not be given any special overtime opportunities based on their membership in the GITF.

7.17 DRUG TASK FORCE (DTF).

7.17.1 DTF requirements include:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with Brown County's process.

7.17.2 Shift:

a. DTF shift will be a 5/2 – 4/3 schedule.

b. Shifts will commence at 11:30a–8p.

c. If court is scheduled for 10a or 10:30a, the officers will flex their shift (10a–6:30p).

d. If court starts before 10a, then the officer gets the court overtime.

7.17.3 Length of Term. Officers shall have a 4-year commitment with no ability to re-up. Officers assigned to DTF ~~as of March 13, 2012~~ shall have their current assignment credited toward that 4-year period (e.g., officer XX has been there 1½ years, so Officer X will have an additional 2½ years). The increased commitment will benefit the police officer, police department and the DTF. It will allow for training, schools, etc. that can only be justified with a longer commitment.

7.17.4 Assignment to DTF & Interview Panel. An interview process is acceptable – utilizing the BCSD's current system, as long as the GBPD union has a seat on that panel (the GBPD sitting on the panel for a GBPD interview). In addition, officer candidates shall no longer be limited based upon seniority – it shall be opened up to all officer's holding the rank of Advanced Police Officer (APO) and above.

7.17.5 Flex Time & Vacation Days. Officers must provide a minimum 24-hour advance notice when requesting vacation and flex time.

7.18 TRAFFIC OFFICERS:

7.18.1 Traffic Officer requirements include:

a. Minimum of 3-years as a Green Bay police officer.

b. The selection process will be in accordance with 7.2.3.i.(C).

7.18.2 Officers will be assigned to an admin schedule 5-2 Monday thru Friday, 4-3 Monday thru Thursday work week. Officers on the same shift will work opposite work weeks to allow Monday thru Friday coverage. Traffic officers may be posted for pre-determined shifts and schedules based on the specific needs of the community and the department (i.e. a traffic officer on the evening shift or night shift would be assigned to a group to help address OWI concerns).Traffic Officers would be allowed to flex their hours to allow for special projects or problem areas. Flexing of shifts will need prior approval from the supervisor.

7.18.3 The traffic officer will count towards safety staffing.

7.18.4 The department may provide training for salvage inspection to the traffic officer who will be placed on a schedule that will allow for salvage inspection. While on inspection assignment, and with prior supervisory approval, the officers hours can be flexed for the purposes of facilitating inspections that could not be done due to the requestor being unavailable during the officer's normal working hours. In the event the salvage inspection duties on any given day have been completed, the officer will resume other traffic unit duties as assigned or needed. Officers trained in salvage inspection will be allowed to continue working as a salvage inspector after completing traffic assignment. While performing scheduled salvage inspection duties, traffic officers will not count toward staffing numbers.

7.18.5 Police motorcycle operations certification is not required to be a traffic officer. If a traffic officer wishes to be motorcycle operation certified, the traffic officer(s) will be given preference to attend the certification training. All other requirements of the motorcycle unit must be met.

7.18.6 This will not preclude other officers from being assigned to traffic duties. Traffic duties can be assigned to patrol officers as staffing allows.

7.18.7 This will be a 4-year assignment, with a possible extension of an additional 2-years. Upon completion of this assignment, the officer will return to the patrol division where the officer's seniority will take them. The officer may apply for an alternative position available by department wide posting during or at the completion of this assignment. If a current traffic officer signs for a traffic officer position via department wide posting for a different shift and accepts the position, this officer's time in the traffic officer position does not start over and will be a continuation of the time already served as a traffic officer. Once an officer accepts and is assigned to the position as a traffic officer, that officer will not be eligible for another traffic assignment until all other eligible officers have had an opportunity to accept and be assigned to the traffic officer position.

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7.19 DETECTIVES: Detective requirements include:

a. Minimum of Advanced Police Officer with Green Bay or a combination of 3-years' experience as a Green Bay police officer and 3-years outside police officer experience.

b. The selection process will be in accordance with 7.2.3.i.(B).

7.20 MOUNTED PATROL UNIT (EQUESTRIAN) (MPU):

7.20.1 MPU requirements include:

a. 3 years' experience as Green Bay Police Officer.

b. The selection process will be in accordance with 7.2.3.i.(A).

c. Successfully pass basic horseback riding course established by the Police Department. The MPU is to be utilized for special events and patrols set up by the Department. Riders are expected to participate as assigned.

d. Members of the MPU shall generally train up to 8-hours per month during the months the MPU is active. The responsible Supervisor for the MPU may grant exceptions on a case-by-case basis to facilitate special training needs. The compensation for this training shall be actual hours at time for time via payback for those on their off time. All training plans and schedules must be approved by the responsible Supervisor for the MPU. Travel time will be in accordance with 29.2.1. Training for individual riders may vary based on the riders experience as determined by the Chief or designee.

e. MPU members may flex their workday to attend training in accordance with 7.21.

f. MPU demonstrations or requests for appearances shall be authorized by the Chief or designee and shall be compensated at straight time off in compliance with FLSA limitations. MPU demonstrations and requests shall be mutually agreed upon by both the MPU and Chief or designee. Mandatory demonstrations shall be paid at 1½-times.

g. When members of the MPU are used for patrol or mandatory assignments they will be allowed time immediately prior to and after their assignment for care and transportation of the horses.

7.21 MAINTENANCE OF 2-PERSON BUFFER:

7.21.1 For those teams where it is specifically referenced in Article 7, officers may flex their workday to attend training dependent upon the maintenance of a 2-person buffer above the current safety staffing numbers. Compensation for training will be actual hours at time for time via payback for those on their off time.

i. Officers may be cancelled from training outside of 24-hours prior to the start of their regular shift in order to maintain the 2-person buffer.

ii. If the training occurs during all or part of the officers' regular working hours, the officer may be pulled from training at any time to resume regular duties.

iii. If the training does not occur during any part of the officer's regular working hours, the officer may not be pulled from the training within 24-hours prior to the start of their regular affected shift.

iv. The Shift Commander has the discretion to allow attendance below the 2-person buffer on a case-by-case basis, dependent upon the work environment present at the time the training is to begin.

ARTICLE 8
RETIREMENT

8.1 Officers make the same Wisconsin Retirement System (WRS) contributions as general municipal

employees.

ARTICLE 9
PAY PERIOD

9.1 PAY PERIOD. All personnel shall be paid bi-weekly through direct deposit.

ARTICLE 10
PAY SCHEDULE

10.1 SCHEDULE A. The pay of employees of the GBPD occupying classified positions shall be on the basis of Schedule A attached hereto. The rates of pay listed are on a bi-weekly basis and an hourly basis and are based on a full-time employment at normal working hours.

10.2 FUTURE PAY ADJUSTMENTS. The pay schedule for Specialist I is set at the 1995 rate plus 3% for the rank of Patrol Sergeant and Detective Sergeant in the Green Bay Police Department, which ranks are being eliminated from the table of organization effective with the ratification of the 1996 contract, and it is stipulated by the City that for both internal and external wage comparison purposes for future contracts the Specialist I position shall be conclusively presumed to compare with a position comparable to that of patrol and detective sergeant in the GBPD before their elimination, and that there continue in future contracts a similar proportional spread between the rate paid to Specialist I and that paid to top patrol officer. It is also stipulated that there continue in future contracts a similar proportional spread between the rates paid to Specialist I and Specialist II as the spread which exists in the pay schedule in this contract.

ARTICLE 11
SHIFT DIFFERENTIAL

11.1 ADDITIONAL PAY. All employees not assigned to the day shift shall receive, in addition to their base pay, an amount equal to the number of hours designated below based upon the hourly rate of top patrol officer. The shift differential pay shall be on a monthly basis, but paid with the employee's bi-weekly pay. Shift differential pay shall be administered in the same manner as it was when expressed in dollar amounts.

Patrol Division	10:30a to 7:00p shift 2:15p. to 10:45p shift 10:30p to 7:00a shift 7:00p to 3:30a shift	1½ hours per month 3 hours per month 4 hours per month 4 hours per month
Detective Division	2:30p to 11:00p shift	3 hours per month
Drug Task Force	11:30a to 8:00p shift	3 hours per month
Crime Prevention Specialist	12:00p to 8:30p shift	3 hours per month

ARTICLE 12
CLOTHING/EQUIPMENT ALLOWANCE

12.1 The initial clothing allowance for uniforms shall be $1,240 from which new employees shall purchase all items designated by the Chief of Police as mandatory with the remainder being spent on discretionary items.

12.2 After one complete year of employment, the annual allowance shall be $613 in the case of

detectives and specialists; and $572 in the case of officers in the Operations Division. If a new officer's first anniversary falls after January 1, then that individual shall have a prorated share of the annual allowance credited to their uniform account for that year and shall receive a full credit on the following January 1.

12.3 UNIFORM SELECTION. The Chief of Police shall have discretion as to what types of clothing are to be purchased by employees of the department, but the City shall negotiate any fiscal impacts.

12.4 PROTECTIVE VESTS. All officers may purchase protective vests from the manufacturer and of the design of their own choice, and the City shall assume and pay that portion of the cost of the vest equal to the price or cost of a standard grade 3A vest from a manufacturer designated by agreement of both parties, and the balance of such cost, if any, due to extras shall be paid by the officer from that officer's clothing allowance. Officers may purchase a new vest every five years, or whenever the officer's vest is damaged through use, whichever may first occur. Purchases may occur twice per year.

12.5 SPECIALIZED CLOTHING OR GEAR. The department has designated the wearing or use of specialized clothing or gear for officers involved in the SWAT team, motorcycle patrol, bike patrol, diving team, and honor guard. The department shall provide or furnish each new officer with such clothing or gear of a good and usable quality for the purpose to be used, and an adequate fit for the officer where fit is a factor, and such shall be available for use by officers on an as needed basis, or the department may opt to provide any item of clothing or gear in kind, and in that event the officer may, with the authorization of the Chief of Police or designee, purchase such item not provided or furnished and the City shall assume and pay the cost thereof.

ARTICLE 13
DUTY INCURRED DISABILITY PAY

13.1 DISABILITY PAY. An employee injured in the line of duty shall receive full pay for a period of 180-days while disabled from performing normal duties. In the event the disability extends beyond 180-days, application for extension of time may be made to the City's Personnel Committee, which shall determine whether to extend, which determination shall be consistent with past extension determinations.

ARTICLE 14
VACATIONS

14.1 VACATION BENEFITS.

In This Year of Employment	# of Working Days Employee Shall Receive
1	8
2	13
6	16
7	17
8	18
9	19
11	21

13	24
16	25
18	27
19	28
20	30

14.2 ACCUMULATION. Accumulation of vacation leave with pay shall, on December 31 of each year, not exceed 30-days.

14.3 PATROL VACATION SELECTION.

a. The number of officers allowed on the day shift (6:15 am to 2:45 pm) will remain at 4-officers until staffing on the day shift reaches a staffing level of 23-officers. At that time the number allowed off will be 3-officers.

b. Initially 1-officer on the midday shift will be allowed off until the shift reaches a staffing level of 7-or more officers, 2-officers will be allowed off.

c. The number of officers allowed off on each shift will be as follows:

Day Shift	4-officers	Midday Shift	2-officers
Afternoon Shift	4-officers	Evening Shift	2-officers
Night Shift	4-officers		

d. A seniority roster for each shift shall be posted at the beginning of each year along with a calendar identifying off-day groups. This calendar is signed in order to make other officers aware of time available, but the selection is not official until the officer signs the shift commander's vacation calendar and submits a vacation request via telestaff to the shift commander. The shift commander shall initial and date all requests when the commander receives them. If an officer wishes to cancel a vacation, it shall be the officer's responsibility to contact the shift commander, who shall have the responsibility of pulling the request. The shift commander shall then cross the officer's name off of the calendar. This shall give other officers an opportunity to take this time off if they wish.

14.4 DETECTIVE VACATION SELECTION. All vacations must be approved by the Detective Supervisor who shall be responsible for staffing needs. Detectives on an administrative schedule shall pick together. A minimum of 3-administrative schedule Detectives shall be allowed off at any one time, and a minimum of 2-afternoon shift detectives shall be allowed off any one time. In the event there is a change in the Detective staffing levels, the parties agree to collectively bargain regarding possible changes to this provision.

14.5 OTHER OFF-TIME REQUESTS FOR DETECTIVE DIVISION. The officer shall request via telestaff to the Lieutenant no less than 5-days prior to the day they wish to have off. The Lieutenant shall initial and date the request upon receipt. If more requests are submitted than officers allowed off at a time for a particular day, the date the request was submitted shall dictate who gets the day off. In other words, first-come, first-served. If more than one card is submitted on the same day, then seniority shall prevail. It shall not make any difference what type of request - vacation, off time coming, personal day or payback is submitted. When the Lieutenant refuses a request

for time off, it shall be marked "refused" and dated. Under exceptional circumstances the Lieutenant may accept a request for time off with less than 5-days notice.

14.6 TRAFFIC OFFICER VACATION. Traffic officers will select the first 3-vacation picks against all other traffic officers regardless of shift or schedule with only half of the total traffic unit officers off at any one time. Traffic officers will then pick all other off time with the shift that the traffic officer is assigned to.

ARTICLE 15
VACATION PAY USED FOR SICKNESS

15.1 RULE. Absence on account of sickness, injury or disability in excess of that hereinafter authorized for such purposes may, at the request of the employee and within the discretion of the department head, be charged against vacation leave allowance.

ARTICLE 16
SICK LEAVE

16.1 ACCUMULATION. All employees shall be granted sick or emergency leave with pay of 1-full working day for each month of service with no limit on accumulation. An employee may use sick leave or emergency leave for absences necessitated by injury or illness of the officer or officer's family. An employee using sick leave shall not be allowed to work previously posted and signed for overtime within 8-hours of sick leave use.

In order to be granted sick leave or emergency leave an employee must:

16.1.1 Report prior to the start of the workday to the department head or supervisor the reason of the absence.

16.1.2 Keep the department head informed of the employee's condition and the anticipated date of return to work.

16.1.3 Be legitimately ill or attending a member of the immediate family who is ill and unable to care for themselves or make other arrangements for care.

(a) For purposes of this article, "immediate family" shall mean spouse, parent, stepparent, child, stepchild, foster child, guardian or sibling.

16.2 VERIFICATION. All sick leave requested is subject to verification. The department head may request reasonable evidence from the employee to achieve verification.

16.3 MISUSE. Misuse of sick leave may subject the employee to disciplinary action per the Agreement. To avoid misuse, management may periodically review amounts of use as well as patterns of use and counsel employees on problem areas. A pattern in and of itself, does not constitute abuse.

16.4 HEALTH INSURANCE PAYMENT PROGRAM. All employees reaching normal retirement or disability prior to attaining such age shall be eligible to continue in the City's health insurance group plan until the age of 65. The City shall pay all of the monthly premium payable, provided that the total amount expended for such insurance for each retired employee shall be limited to an amount equal to the percentage set forth below of the value of up to a maximum of 135 accumulated days of unused sick pay standing to the credit of that employee as of that employee's date of retirement:

- 100% for employees retiring under disability retirement.
- 100% for employees retiring into the State Retirement System.

Catastrophic Illness: During the period 3-years prior to the employee's normal retirement date, if the employee is injured or ill for more than 50-consecutive calendar days but less than 6-calendar months, there shall be no reduction from the employee's sick leave accumulation. In order to receive this benefit the employee must have reached the maximum accumulation of sick leave at some point in their career. The employee shall perform alternative duty if it is available and the employee is capable of performing same.

16.5 CONVERSION. During the 5-years before an officer's normal retirement date, the officer may convert accumulated and unused vacation or other compensable off-time to sick leave days on the same basis as presently allowed in the firefighter Agreement.

16.6 EMPLOYEE PAYMENT. After the amount expended for any employee reaches the limit for such employee, the monthly premium shall thereafter be paid by the employee.

16.6.1 Surviving spouses, until remarriage, shall be eligible to apply the escrowed amount for health insurance premium payment purposes.

16.6.2 Dependent children, in accordance with regular City policy, shall be eligible to apply the escrowed amount for health insurance premium payment purposes upon the death of the surviving spouse. Remarriage of the surviving spouse shall terminate the eligibility of dependent children for this benefit.

16.6.3 Any funds remaining in the escrow account after death of the retiree, death or remarriage of the surviving spouse, or death or ineligibility of dependent children shall revert back to the City.

16.6.4 This health insurance premium payment program for protective employees is mandatory for all covered employees upon retirement and supersedes all previous sick leave payment programs upon retirement sponsored by the City of Green Bay.

16.6.5 If death of a covered protective service employee occurs before retirement, up to a maximum of 135-sick leave days shall apply to the estate of the deceased employee for purposes of payment of health insurance premiums in accordance with the above policy.

16.6.6 An employee who has retired or in case of the employee's death, the spouse has the right to leave the amount credited to the escrow account for "Health Insurance Purposes" until the end of the calendar year he/she attains the age of 65. At that time they shall have to begin using the escrow account for "Health Insurance Purposes."

ARTICLE 17
HEALTH AND DENTAL INSURANCE

17.1 Employees will pay 15% and the City will pay 85% of the single or family premium for health care insurance benefits.

17.1.1 Employees may reduce their health insurance premium contribution up to a maximum of 2.5% per year by successfully participating in the Wellness Incentive Program as follows:

a. Employee's health care insurance premium will be reduced by 2.5% if the employee

is carrying single coverage and participates in the Health Risk Assessment.

b. Employee's health care insurance premium will be reduced by 2.5% if the employee is carrying family coverage and both employee and spouse participate in the Health Risk Assessment.

c. Employee's health care insurance premium will be reduced by 1.25% if the employee is carrying family coverage and only the employee or the employee's spouse participates in the Health Risk Assessment.

17.2 Employees will pay 12.5% and the City will pay 87.5% of the single or family premium for dental insurance benefits.

ARTICLE 18
LIFE INSURANCE

18.1 BENEFIT. All police officers shall receive the present life insurance program at no cost to the individual officer. Employees shall have the option to purchase additional life insurance for themselves. Additionally, life insurance for spouse and dependent children shall be made available as an option. Employees shall pay all premium costs for the additional optional insurance through payroll deductions.

ARTICLE 19
JURY DUTY

19.1 RULE. An employee may be granted a leave of absence with pay if called for jury duty during working hours.

ARTICLE 20
FUNERAL LEAVE

20.1 LEAVE GRANTED. Each employee shall be entitled to the following funeral leave:

20.1.1 When there is a death in the immediate family of an employee, ("immediate family" being defined as that of employee's spouse, parent, guardian, child of employee, grandchildren, grandparents, stepparents, brother, sister, mother-in-law, father-in-law), a maximum of 3-working days shall be granted with pay to such employee. Travel time to and from the funeral may be taken in addition to the 3-days referred to above with the approval of the department head and may, at the employee's option, be counted as sick leave or vacation.

20.1.2 When there is a death in the family of an employee, ("family" being defined as spouse's grandparents, son-in-law, daughter-in-law, sister-in-law, brother-in-law, aunt or uncle of employee or spouse), a maximum of 2-working days with pay shall be granted to such employee.

20.1.3 All employees who act as pallbearers for any deceased person whose funeral takes place during regular working hours may also be granted time off, with pay, with the permission of the employee's commanding officer.

ARTICLE 21
DUES DEDUCTION

21.1 CITY DUTY. The City agrees to deduct from the paycheck of each member of the Association ~~employee~~, by written authorization from the member~~employee~~, a sum as Bargaining Unit dues and remit the same to a designated Bargaining Unit Officer as soon as possible after the close of each month.

~~**ARTICLE 22**~~
~~**FAIR SHARE**~~

~~22.1 RULE. As a condition of employment, the City agrees that all employees within the Bargaining Unit that are not members of the Green Bay Bargaining Unit (Employees Association) shall be required to pay their proportionate share of the cost of the collective bargaining process and contracted administration. This requirement shall apply to all employees who have completed 6 months of service with the City.~~

ARTICLE 23
HOLIDAYS

23.1 BENEFIT. Holidays included in this Agreement are:

New Year's Day	Memorial Day	Columbus Day
President's Day	Independence Day	Thanksgiving Day
Easter Sunday	Labor Day	Christmas Day

23.1.1 One holiday to be designated jointly between the Bargaining Unit and the Chief Administrative Officer of the Police Department.

23.2 HOLIDAY PAY. All personnel shall receive 1-day's pay at straight time for each of the above-stated holidays, whether or not the employee works the holiday in question, and all shift personnel who are regularly scheduled to work on a holiday shall additionally receive 8-hours pay or compensatory time subject to the maximum accumulation provision for each such holiday provided that officers who are regularly scheduled to work who call in sick for non-work related reasons shall not receive such eight-hours time. Employees who are called in to work a holiday that falls on their regular scheduled day off shall be paid double time (2x). Officers who volunteer to work their days off shall receive time and a half. Officers who are ordered to work a designated holiday shall receive double time (2x).

23.3 The following shall apply to mandatory overtime on a designated holiday:

23.3.1 Any mandatory overtime worked through a call-in or ordered to work on a holiday as identified in section 23.1 shall be paid at the rate of double time.

23.3.2 Holiday hours for payment for mandatory overtime is identified as the hours of 00:00 to 23:59 on the actual date of the holiday.

23.3.3 Such mandatory overtime includes inverse assignments for staffing and late call and/or holdover time with prior supervisory approval.

ARTICLE 24
PERSONAL LEAVE DAYS

24.1 BENEFIT. Regular full-time employees shall be eligible for 3-days annually. Personal leave days must be used during the calendar year earned. They may not be accumulated. The employee shall provide at least 7-days notice for a day off except that such notice can be waived by mutual

agreement of the employer and the employee. The number of personal leave days earned shall be prorated for new full-time employees in their initial calendar year of employment and for employees in their final calendar year of employment with the City unless the employee terminates employment by eligibility and acceptance to the State Retirement system, disability, or death.

ARTICLE 25
DISCIPLINE

25.1 RULES AND REGULATIONS. For disciplinary purposes, administrative or otherwise, the substantive rules and regulations for the conduct of members of the Police Department shall be as set forth in the policy and procedure manual for the Green Bay Police Department, as amended from time to time, excepting that no provisions in said manual which are subject to collective bargaining shall be valid until collectively bargained. In the event such rules and regulations conflict with the ordinances of the City of Green Bay, laws of the State of Wisconsin or United States, or this Agreement, said ordinances, laws or Agreement shall prevail.

25.2 OFF-DUTY CONDUCT. Off-duty action or inaction shall not be considered as grounds for discipline unless the conduct in question:

25.2.1 Has been the basis for a conviction in a court of law of any local ordinance, quasi criminal or criminal law; or

25.2.2 Is done under or pursuant to the officer's use of authority or powers of a sworn Green Bay Police Officer, or under the color of the officers articulated use of the same; or

25.2.3 Is in violation of any rules and regulations governing off-duty conduct existing in the GBPD Policy and Procedure Manual, excepting that Section I, Chapter 2, Paragraph D, of the existing Policies and Procedures Manual shall be deleted.

25.3 INTERNAL INVESTIGATION. Internal investigations conducted by the GBPD shall be subject to the following rules:

25.3.1 The subject matter of any investigation shall be confined solely to those areas that are being investigated because the Department has grounds for reasonable suspicion that an officer may be subject to disciplinary action. All other areas of inquiry shall be avoided so as to insure that investigators do not intrude upon the privacy of any officer. In this regard, the parties acknowledge the danger of questions not relevant to any specific investigation resulting in rumor and innuendo.

25.3.2 When an officer under suspicion is questioned, that officer shall be first advised of the factual basis of the suspicion and advised as to what law, rule or regulation the officer is being suspected of breaking. When an officer under reasonable suspicion is questioned, that officer shall first be advised of the factual basis of said reasonable suspicion and advised as to what law, rule or regulation the officer is suspected of having broken. The factual basis of the reasonable suspicion shall be communicated to the officer by a written summary of the evidence giving rise to the reasonable suspicion. The summary of the evidence should include "who, what, where, when and how" whenever possible and a description of the physical evidence, if any. The summary of the evidence shall not include notes, thought processes, investigative techniques or the like, or any

other work product of the investigator(s). At the officer's request, the officer may be represented by a representative of their choice who, at the discretion of the officer, may be present at all times during the interrogation. Also, the officer shall be given the name of the complainant except when the complainant is an employee of the Police Department or has requested anonymity.

25.3.3 Any time an investigation exonerates the officer, management shall maintain the investigation file but there shall be no record of the investigation in the officer's personnel file. Such investigation shall not form the basis for future discipline; however, it may be used by management in following-up on future complaints.

25.3.4 Evidence obtained during the course of any interrogation not conducted in accordance with 25.3.1 and 25.3.2 may not be utilized in any subsequent disciplinary proceeding against the officer, including but not limited to, insubordination for failing to follow a direct order to answer a question.

25.4 DISCIPLINARY PROCEDURES

25.4.1 Section 62.13, Wisconsin Statues. Suspension(s), reduction in rank, suspension and reduction in rank, and dismissal of bargaining unit members shall be governed by the procedures set forth in Section 62.13, Wis. Stats.

25.4.2 All other disciplinary proceedings shall be governed by the Grievance Procedure.

25.5 ADMINISTRATIVE REGISTER/DOCUMENTATION OF ORAL REPRIMANDS. Documentation of oral reprimands may be made only by way of an entry into an administrative register maintained by the department pursuant to the following, and such entries shall not be subject to grievance:

25.5.1 Oral reprimands may be documented in writing by any supervisor after review and approval, (a) by the Shift Captain as to shift personnel, excepting those matters relegated to the Captain of patrol, (b) by the Captain of patrol regarding personnel involved in motor vehicle accidents or incidents, or working special events such as the Packer games, 4th of July and the like, and (c) by the appropriate Captain of detectives as to personnel in the detective division; (d) internal affairs Captain. During the review and before approval, the captain making the review shall discuss the proposed written documentation and the underlying factual situation with the officer in question; however, the officer may decline. The discretion of any Captain authorized to make entries into the counseling register may be controlled by the Chief of Police and the administrative staff under policies or procedures that the Chief of Police may deem appropriate.

25.5.2 The department shall maintain a register for the purpose of maintaining written documentation of oral reprimands (favorable entries or commendations may also be entered at the discretion of the department).

25.5.3 Following the entry of an oral reprimand into the Administrative Register, the officer being so reprimanded shall be counseled by a supervisor designated by the Captain making the entry as to the reason for the entry, and, if appropriate, given instruction as to ways to avoid the conduct or action which led to the entry. After such counseling, both the officer being reprimanded and the counseling supervisor shall initial the entry.

25.5.4 Entries made under the above procedure and properly initialed may be the basis of progressive discipline and factors in performance evaluations. If entries are made without the above procedure being followed, or are not initialed, they shall be void.

25.5.5 Entries in the Administrative Register shall remain valid for purposes of progressive discipline or performance evaluation for a period of one year of their entry and at the end of each year shall be void and considered expunged. Only one entry shall be made per page in the entry, and such page shall be removed and destroyed at the end of the above said one-year period.

ARTICLE 26
LEAVES OF ABSENCE

26.1 SPECIAL LEAVES. The Chief of Police in consultation with the City Personnel Committee, may authorize special leaves of absence with or without pay for any period or periods not to exceed 3-calendar months in any one calendar year for the purpose of attending a college, university or recognized law enforcement seminar to train in subjects related to the work of department personnel or benefit to both the employees and the City.

26.2 PERSONAL LEAVES. The Chief of Police may authorize an employee to be absent without pay for personal reasons for a period or periods not to exceed 10-working days in any calendar year.

26.3 EDUCATIONAL LEAVE. The City Personnel Committee, upon recommendation of the Chief of Police, may grant leaves of absence with or without pay in excess of the limitations above for the purpose of attending courses of training at a recognized college or university and for other purposes that are deemed beneficial to the City.

ARTICLE 27
MILITARY LEAVE

27.1 Personnel of the Police Department who leave or have left the City service by request of the Federal Government to enter active service in the Armed Forces of the United States and return, shall be entitled to their departmental seniority and the rate of pay and position they would have been entitled to had their service with the Police Department not been interrupted by service in the Armed Forces. Employees who are members of the National Guard or military reserve shall be granted military leave for any extended tour of duty requested by the federal government, and shall receive during such absence the wage differential between the employee's regular City wages and military wage so that no loss of wages shall be suffered for the first 90-calendar days as a result of such military service. This paragraph does not apply to employee drafted into the military consequent to the institution of a federal draft system or to voluntary periods of active duty service. Seniority shall continue accumulation throughout the leave. There shall be no accumulation of paid time off benefits during the leave. Employees on leave shall have the option to keep city health and dental benefits during the leave, the same as for active employees.

ARTICLE 28
EDUCATION CREDITS

28.1 BENEFIT. The City shall reimburse an officer tuition costs and book costs, as defined below, upon successful completion of approved Police Science courses. The student must attain a grade of C or higher to qualify for reimbursement. Approved Police Science courses are defined as any course required for the attaining of a degree in police career enhancement and previously approved by the Chief of Police.

28.2 REIMBURSEMENT. The reimbursement for tuition shall be 100% at the UWGB rate for undergraduate courses, and 75% at the UWGB rate for graduate courses. Book reimbursement shall be the actual cost of the book in question or $50 whichever is less, provided that upon reimbursement the book shall be turned over to the departmental library. Reimbursement for tuition shall be limited to $1,200 per year, per student. The City shall have the right to claim reimbursement for any tuition reimbursed under this provision within 30-months of any voluntary termination of employment, or within 12-months of any retirement.

ARTICLE 29
TRAINING

29.1 TRAINING ASSIGNMENTS. When training/school opportunities are offered to members of the department, such training events and openings shall be posted with qualifications and all officers given an opportunity to attend with the most qualified senior employee given the opportunity as staffing allows. Should the department determine the training/school shall benefit only officers of a specific division, specialty unit/position, shift or classification, a waiver shall be presented in writing to the GBPPA board prior to the date of the training/school. The waiver shall include all information to show the justification of the benefit to only officers of the specific division, specialty unit/position, shift or classification.

Any officer accepting a position requiring specialized training/school for the position shall flex

their workday and workweek to attend such training. Any time spent in addition to the 8½-hours per day, such as travel, shall be compensated at time for time rate via payback. Time spent training including travel, on the officer's regular day off shall be compensated at time for time via payback.

29.2 COMPENSATION FOR TRAINING AND/OR SCHOOLS. Officers attending any training and/or schools on the officer's normal off time, shall be compensated by time off at straight time in the form of payback, subject to the following guidelines.

29.2.1 Such compensation shall include travel associated with schools held outside of Brown County, not including Sanger Powers Multijurisdictional range facility. Times of departure and return shall be determined by travel time indicated by computer mapping programs with consideration given to length of travel for unforeseen conditions, such as weather or construction delays, on a case-by-case basis. Such travel time shall include travel to and from the Department or actual time to and from the officer's residence; whichever is less. The location of departure is the officer's choice.

EXAMPLE: *School is scheduled in Appleton and lasts 8:00a-4:00p. Departure from the station is determined to be 7:15a. Officer A travels from the station, and returns from the school at 3:30p (class adjourned early). Officer A receives payback from 7:15a to 3:30p.*

EXAMPLE: *Officer B elects to travel from the officer's home in Kaukauna to the school in Appleton and leaves the officer's home at 7:45am and returns at 3:00pm. Officer B receives payback from 7:45a to 3:00p. The travel time cannot exceed that from the station.*

EXAMPLE: *Officer C leaves home in Oconto at 6:30a and drives directly to Appleton for the school and returns home at 4:15p. Officer C would receive payback from 7:15a to 3:30p. The travel time cannot exceed that from the station.*

29.2.2 Time compensated shall be actual time in attendance, plus actual travel time subject to travel time restrictions identified above.

EXAMPLE: *School at NWTC is scheduled to run 8:00a-4:00p. The instructor concludes the class at 2:30p. Officers received payback from 8:00a-2:30p. No travel as venue is within Brown County.*

29.2.3 In the case of overnight stays, any travel by vehicle to/from the venue/hotel in excess of 10-minutes shall be compensated at time for time. No compensation shall be given for the first 10-minutes.

EXAMPLE: *Overnight school in Milwaukee. Travel by vehicle from the hotel to the school is 5-minutes. No compensation for the travel as it is under 10-minutes.*

EXAMPLE: *Overnight school in Anchorage. Travel by vehicle from the hotel to the school is 30-minutes. Officer would receive payback for travel over the first 10-minutes, or in this example, 20-minutes travel time.*

29.2.4 For school/training scheduled on a normal workday, Officers shall be required to work their normal shift in addition to attending the school if the time of school and compensable travel is 5¾-hours or less during off duty time. If the school and travel

exceeds 5¾-hours of normal off duty time, it shall serve as the officer's work day. Any time in excess of 8½-hours on an officer's normal workday shall be compensated at time for time via payback. For school/training on an officer's normal day off, the officer shall be compensated actual time in attendance including travel time.

EXAMPLE: *Day shift officer scheduled to attend school from 12:00p-4:00p. Officer reports for normal shift at 6:15a. Attends school which is done at 4:00p. Officer receives 1.3 hours payback.*

EXAMPLE: *Day shift officer scheduled to attend school from 8:00a-12:00p. Officer reports for normal shift at 6:15a. Attends school from 8:00a-12:00p, returns and completes shift.*

EXAMPLE: *Afternoon shift officer scheduled to attend school from 12:00p-4:00p. Officer attends school beginning at 12:00p and completes at 4:00p. Officer returns to road duty and completes shift. Officer receives 2.3 hours payback.*

EXAMPLE: *Afternoon shift officer scheduled to attend school from 8:00a-4:00p. Officer attends school and it serves as the officer's workday.*

EXAMPLE: *Evening shift officer working that night is scheduled to attend a school from 12:00p-4:00p. The officer would work their shift in addition to attending the school. Officer receives 4-hour payback.*

EXAMPLE: *Evening shift officer working that night is scheduled to attend a school from 8:00a-2:00p (6-hours). The attendance at the school would serve as the officer's work day as attendance outside of normal work hours exceeded 5¾-hours.*

29.2.5 Any adjustments needed to provide for the required 7½-hour break, with regard to the 14¼-hour limitation on work hours, shall be determined by the officer's supervisor.

EXAMPLE: *Night shift officer scheduled to attend full day school 8:00a-4:00p. Attendance at the school serves as work day. 7½-hour rule must be maintained, meaning 11:30p start time for next shift.*

29.2.6 The officer's Command Officer~~supervisor~~ shall determine whether a hotel stay shall be necessary and reimbursed. Such determination shall be made on a case-by-case basis depending on the length of travel, actual start time of the school, length of the school, potential weather condition or the like, with attention to the 14¼-hour limitation. If length of the school is one week or less, and accommodations have been made, there shall be one travel time compensated for the trip to the school, and one for the trip back, and daily on-site travel from accommodations as stated in 29.2.3. Schools lasting in excess of one week shall be reviewed on a case-by-case basis as to necessity for weekend stays. In the event the officer elects to stay at a hotel although the supervisor has not approved the stay, the officer is responsible for all costs associated with the overnight accommodations. In the event the Command Officer~~supervisor~~ determines a hotel stay is appropriate but the officer elects not to stay, the officer is only entitled to compensation for one round trip to and from the school, including mileage.

29.3 The following shall apply to the cancellation of an officer from a school or training assignment as assigned under Article 29 once notification of the school or training has been given:

29.3.1 An officer may be cancelled from an assigned schooling/training if it is determined outside of 24-hours prior to the start of the school/training that the officer is needed to complement staffing on the officer's regular shift.

29.3.2 No officer may be cancelled within 24-hours of the start of the schooling/training except as provided in #3 and #4 below.

29.3.3 Because the City is at the mercy of outside influences, schooling/training may be cancelled at any time if such a cancellation is outside of the control of the Department. The officer will then return to their normal work assignment. (example: instructor cancellation, venue availability, severe weather prohibiting travel, events requiring extensive numbers of personnel, etc.)

29.3.4 Officers working their regular shift hours, and allowed to attend schooling/ training (duty ready) taking place within Brown County, including the Sanger Powers Multijurisdictional Training Facility as part of their shift, may be cancelled or recalled from the training at any time based on staffing or immediate need.

29.4 STATE CERTIFICATION TRAINING. As part of the 1964.5-hour work year each officer is required to report for annual training totaling 25½-hours. This training shall occur on the officer's regular days off and shall involve no additional compensation.

29.5 TRAINING FOR STATE CERTIFICATION OR DISCIPLINE. The following shall apply for additional training for state certification beyond that described in 29.3 which is required to maintain employment with the City of Green Bay as a police officer, or training required as a result of disciplinary action by the Chief of Police:

- Officers shall flex their workday to attend such training.
- Attendance at such training in excess of 8½ hours on a regular scheduled work day shall be compensated at 1½-time including travel. Attendance on a regular scheduled day off shall be compensated at the overtime rate of 1½ time for actual hours in attendance including travel.

ARTICLE 30
BARGAINING UNIT ACTIVITY

30.1 ACTIVITY. The Bargaining Unit agrees to conduct its business off the job as much as possible. This article shall not operate as to prevent a Bargaining Unit representative from the proper conduct of any grievance in accordance with the procedures outlined in this Agreement, and shall not work to prevent certain routine business, such as the posting of Bargaining Unit notices and bulletins and like duties. The City agrees to make the necessary space available for the posting of Bargaining Unit notices and bulletins. Business agents or representatives of the Bargaining Unit, having business with the officers or individual members of the Bargaining Unit during the course of the working day for a reasonable time, provided that permission is first obtained from the commanding officer, or superior officer of that Bargaining Unit.

The President may conduct such activities at reasonable times in a manner which shall not interfere with the performance of assigned duties; no inquiry may be made as to the nature of the business being conducted, provided that the President advises the shift commander, who shall not unreasonably deny such permission and if such permission is denied, shall give reason

therefore at the time of denial. The President shall further advise the shift commander that Union business as described in Article 30 is being conducted, the approximate time it shall take, and how he/she may be contacted in an emergency. If President goes off road via this procedure, it shall not be considered a violation of minimum staffing.

30.2 NO DEDUCTION OF PAY. The employer hereby agrees not to deduct such reasonable time from the pay of such officer or member, and agrees also that time spent in the conduct of grievance and in bargaining shall not be deducted from the pay of delegated employee representatives of the Bargaining Unit. The negotiating committee shall be limited to no more than 9-members however, no more than 4-members shall be off the job at one time. Officers may accumulate payback hours for contract negotiation sessions initiated by the City of Green Bay. If the Officer attends a contract negotiation session of 4¼-hours or less, the officer shall receive credit for ½-day's compensation. If the contract negotiation session duration is more than 4¼-hours, the officer shall receive one full day's compensation.

ARTICLE 31
ADVANCEMENTS & PROMOTIONS

31.1 ADVANCEMENT TO ADVANCED POLICE OFFICER POSITION.

31.1.1 Police officers shall be advanced to the position of advanced police officer upon completion of 6-years of service with the GBPD as a police officer.

31.1.2 Upon being appointed as an Advanced Police Officer, an officer shall thereafter, and until advancement to Specialist I, be considered as an Advanced Police Officer and receive compensation as outlined in the Wage Schedule.

31.1.3 Advanced Police Officers shall be given training in the field of evidence gathering and traffic management, and after completion of the same, shall act as evidence technicians and traffic specialist.

31.1.4 In order to diversify Advanced Officers amongst the various shifts, it is agreed that each shift shall maintain a minimum of 6-Advanced Officers. In case of a shift falling short of this minimum, the department shall assign Advanced Officers on the basis of inverse seniority.

31.1.5 For purposes of this section power shift shall be considered part of the afternoon shift.

31.2 ADVANCEMENT TO SPECIALIST I POSITION.

31.2.1 Officers shall be advanced to the position of Specialist I upon completion of 10-years effective as an officer with the Green Bay Police Department.

31.2.2 Upon being appointed as a Specialist I, an officer shall thereafter, and until advancement to Specialist II, be considered as a Specialist I and receive compensation as outlined in the Wage Schedule.

31.3 ADVANCEMENT TO SPECIALIST II POSITION.

31.3.1 Officers holding the position of Specialist I shall be advanced to the position of Specialist II upon the completion of 15-years with the Green Bay Police Department.

31.3.2 On appointment as a Specialist II, an officer shall thereafter be considered as a Specialist II and receive compensation as outlined in the Wage Schedule.

31.4 PROMOTION TO LIEUTENANT.

31.4.1 Upon being promoted to the rank of Lieutenant the officer in question forfeits all Bargaining Unit seniority, except if the officer returns to the unit within 90-calendar days from the effective date of the promotion to Lieutenant the officer will maintain their original date of seniority in the police officer unit minus the number of days they were in the Lieutenant position. In the event that any ~~supervisory officer~~Command Officer returns to the Bargaining Unit on either a voluntary or involuntarily basis to a rank or position within the Bargaining Unit, that officer returns as the least senior officer within the Bargaining Unit unless it is otherwise agreed in writing by the City and the Bargaining Unit.

31.4.2 Upon appointment to Lieutenant, the appointed officer shall thereafter perform only Command Officer~~supervisory~~ duties in the manner and fashion described for Command Officer ~~supervisory~~ personnel in Section 1.2.

ARTICLE 32
WAGE-HOUR LEGISLATION

32.1 CHANGES IN LAW. In the event federal or state legislation is enacted concerning pay for overtime which would result in the City paying members of the Bargaining Unit overtime pay for the normal work week or day as set in this agreement, the work week and day as set shall be renegotiable.

ARTICLE 33
AMENDMENT PROVISION

33.1 AMENDMENT PROCEDURE. This agreement is subject to amendment, alteration or addition only by a subsequent written agreement between and executed by the City of Green Bay and the Bargaining Unit where mutually agreeable. The waiver of any breach, term, or condition of this agreement by either party shall not constitute a precedent in the future enforcement of all its terms and conditions.

ARTICLE 34
SAVINGS CLAUSE

34.1 PROVISIONS SAVED. If any article or section of this agreement or any addenda thereto should be held invalid by operation of law or by any tribunal of competent jurisdiction, or if compliance with or enforcement of any article or section should be restrained by such tribunal, the remainder of this agreement and addenda shall not be affected hereby and the parties shall enter into immediate collective bargaining negotiations for the purpose of arriving at a mutually satisfactory replacement for such article or section.

ARTICLE 35
RESIDENCY

35.1 Bona fide and continued residency within 20-miles of the jurisdictional border of the City of Green Bay shall be required for eligibility for the following positions or calls:

- K-9
- SWAT

- Eligibility for immediate need safety staffing shortage call-ins
- Accident reconstruction
- Immediate need detective call-ins

"Immediate need" shall be defined as a demonstrable need at the time of the call. The burden shall be on the City to show such reasonable need. The emergency nature of a detective call in shall be determined by the shift supervisor on a case-by-case basis taking into consideration factors such as the nature of the case, location and topography of the crime scene, number of witnesses, potential for contamination of the scene and other factors relevant to the exigency of securing the scene, preserving the scene or the costs of preserving the scene.

Officers living or owning property for residential purposes outside of the 20-mile jurisdictional border on or before July 1, 2003, shall not be subject to the call in eligibility limitation of this article stated above.

All other officers shall live in Brown County, contiguous counties or southern Door County (below the Sturgeon Bay Bridge).

Response time compensation for all officers living outside of the 20-mile jurisdictional border shall not exceed ½-hour.

ARTICLE 36
NO OTHER AGREEMENT

36.1 EXCLUSIVE AGREEMENT. The employer agrees not to enter into any other agreement, written or verbal, with the members of the Bargaining Unit individually or collectively, which in any way conflicts with the provisions of this agreement.

36.2 INCORPORATION OF AGREEMENTS. All amendments, deletions, or additions to the labor agreement which are mutually agreed to by both parties in writing will be incorporated into this agreement upon their execution and will be formally inserted into the body the of the next successor agreement unless otherwise agreed to by the parties.

ARTICLE 37
CHANGES IN THE TERMS OF THIS AGREEMENT

37.1 OPENING NEGOTIATIONS. If either party desires to negotiate any changes in this agreement to become effective after the end of the term of this agreement or any extension thereof, they shall notify the other party in writing of their desire to enter into such negotiating prior to July 15, and shall normally be completed by the last Tuesday of October.

ARTICLE 38
TERM OF AGREEMENT

38.1 TERM. This Agreement shall be binding on both parties and effective from the 1st day of January, 2016 to and including the 31st day of December 31, 2019.

ARTICLE 39
DRUG TESTING

39.1 PURPOSE. The purpose of this policy is to provide all sworn employees with notice of the provisions of the department drug-testing program.

39.2 DISCUSSION. It is the policy of this department that the critical mission of law enforcement justifies maintenance of a drug-free work environment through the use of a reasonable employee drug-testing program. The law enforcement profession has several uniquely compelling interests that justify the use of employee drug testing. The public has a right to expect that those who are sworn to protect them are, at all times, both physically and mentally prepared to assume these duties. There is sufficient evidence to conclude that the use of controlled substances and other forms of drug abuse shall seriously impair an employee's physical and mental health, and thus job performance. Where law enforcement officers participate in illegal drug use and drug activity, the integrity of the law enforcement profession and public confidence in that integrity are destroyed. This confidence is further eroded by the potential for corruption created by drug use. Therefore, in order to ensure the integrity of the department and to preserve public trust and confidence in a fit and drug-free law enforcement profession, this department shall implement a drug testing program to detect prohibited drug use by sworn employees.

39.3 DEFINITIONS.

39.3.1 Sworn Employee - Those employees who have been formally vested with full law enforcement powers and authority.

39.3.2 Supervisor - Those sworn employees assigned to a position having day-to-day responsibility for supervising subordinates, or are responsible for commanding a work element, including Patrol Sergeants.

39.3.3 Drug Test - The compulsory production and submission of urine by an employee, in accordance with departmental procedures, for chemical analysis to detect prohibited drug usage.

39.3.4 Reasonable Suspicion - Reasonable suspicion is the quantum of knowledge sufficient to induce an ordinary prudent and cautious person to believe that an individual is using or under the influence of drugs or other controlled substances.

39.3.5 Probationary Employee - For the purposes of this policy only, a probationary employee shall be considered to be any person who is conditionally employed with the department as a law enforcement officer.

39.4 PROCEDURES.

39.4.1 Prohibited Activity. The following rules shall apply to all applicants, probationary and sworn employees, while on and off duty:

(a) No employee shall illegally possess any controlled substance.

(b) No employee shall ingest any controlled or other dangerous substance, unless as prescribed by a licensed medical practitioner.

(c) Any employee who unintentionally ingests, or is made to ingest, a controlled substance shall immediately report the incident to their supervisor so that appropriate medical steps may be taken to ensure the officer's health and safety.

(d) Any employee having a reasonable basis to believe that another employee is illegally using, or is in possession of any controlled substance, shall immediately report the facts and circumstances to their supervisor.

(e) Discipline of sworn employees for violation of this policy shall be in accordance with the due process rights provided in the department's discipline and grievance procedures.

39.4.2 Applicant Drug Testing.

(a) Applicants for the position of sworn law enforcement officer shall be required to take a drug test as a condition of employment during a pre-placement medical examination.

(b) Applicants shall be disqualified from further consideration for employment under the following circumstances:

(i) Refusal to submit to a required drug test; or

(ii) A confirmed positive drug test indicating drug use prohibited by this policy.

39.4.3 Probationary Employee Drug Testing. All probationary employees shall be required, as a condition of employment, to participate in unannounced drug tests prior to the completion of the probationary period. The frequency and timing of such testing shall be determined by the Chief of Police or designee, and shall not exceed two tests during the probationary period.

39.4.4 Employee Drug Testing.

(a) Sworn officers shall be required to take drug tests as a condition of continued employment in order to ascertain prohibited drug use as provided below:

(i) When treatment is sought voluntarily the following provisions shall apply: No memorandum, notation, or any record whatsoever shall be kept by the City, excepting only as necessary for the administration of its health insurance program as to any employee receiving any treatment or medical attention regarding that employee's use of any addictive substances. Additionally, the subject of any employee's use of any addictive substances shall not be referred to or considered as being in any way relevant in any consideration or procedure for discipline or promotion in the police department.

(ii) As long as the employee seeks treatment prior to notification of a test, an employee's use of any substances covered by this drug policy shall not be the grounds or the subject matter for any discipline of any employee whatsoever if knowledge of such use was substantially gained by the City because of the employee's seeking or receiving treatment for such use.

(b) A supervisor may order an employee to take a drug test upon documented reasonable suspicion that the employee is or has been using drugs. A summary of the facts supporting the order shall be made available to the employee prior to the actual test.

(c) A drug test shall be administered as part of all promotional procedures.

(d) Members of the following units, as a condition of their assignment to the unit, shall be subject to random drug testing no more than two times in a calendar

year:

(i) Emergency Response Unit.
(ii) Metropolitan Drug Enforcement Unit.
(iii) Officers assigned drug investigations on a regular basis.

Any member, who refuses to submit to this form of testing for judgment, fitness, and readiness for duty, shall be immediately removed from their special assignments.

(e) Any sworn officer of this department who is directly involved in a serious police incident shall be required by their supervisor to participate in a drug screening test immediately following the event, or as soon as the tactical situation allows. A serious incident is defined as:

(i) Discharge of a firearm at a human being or a vehicle in which human beings are contained.
(ii) Police vehicle auto accident in which serious injury is sustained by any involved officer or citizen requiring immediate medical attention by hospital personnel. If it is clearly evident that the officer is not at fault in the accident, no drug test shall be required. A directly involved officer is one who actually discharges the weapon in case (e)1 or is the driver of the police vehicle in case (e)2.

(f) Any officer, who, in the carrying on of their police duties, ingests, either directly or indirectly, any drug or narcotic substance, is required to document, as soon as possible thereafter, such contact. Documentation should occur in writing explaining all circumstances, and the employee's supervisor should be notified as soon as possible. Drug tests shall be administered and no disciplinary action shall be taken if the tests are positive under the following conditions.

(i) The officer was in physical danger if he did not ingest the drug or narcotic substance.
(ii) Nothing in this policy shall be construed as granting permission for police officers and/or narcotics agents to ingest any illegal drug, marijuana, narcotic substance, or controlled substance under any circumstance except as cited in (f)(i).

(g) Beginning after ratification of a 1992 Agreement, the department shall randomly test up to 10% of the bargaining unit. Such test shall occur once per year per shift with no announcement of time or date. The method for random selection shall be such that each member of the bargaining unit has an equal chance of being selected.

39.4.5 Drug Testing Procedures.

(a) The testing procedures and safeguards provided in this policy to ensure the integrity of department drug testing shall be adhered to by any personnel administering drug tests.

(b) Personnel authorized to administer drug tests shall require positive identification from each employee to be tested before they enter the testing

area. This shall consist of picture ID or driver's license.

(c) A pre-test interview shall be conducted by testing personnel with each employee to ascertain and document the recent use of any prescription or non-prescription drugs, or any indirect exposure to drugs that may result in a false positive test result.

(d) The bathroom facility of the testing area shall be private and secure.

(i) Authorized testing personnel shall search the facility before an employee enters it to produce a urine sample, and document that it is free of any foreign substances.

(e) Where the employee appears unable or unwilling to give a specimen at the time of the test, testing personnel shall document the circumstances on the drug test report form. The employee shall be permitted not more than eight hours to give a sample; during which he shall remain in the testing area. Reasonable amounts of water may be given to the employee to encourage urination. Failure to submit a sample shall be considered a refusal to submit to a drug test.

(f) Employee shall have the right to request that their sample be split and stored in case of legal disputes. The urine samples must be provided at the same time, and marked and placed in identical specimen containers by authorized testing personnel. One sample shall be submitted for immediate drug testing. The other sample shall remain at the facility in frozen storage for one year. This sample shall be made available to the employee or their attorney should the original sample result in a legal dispute or the chain of custody is broken.

(g) Specimen samples shall be sealed in the presence of the participants, labeled, and checked against the identity of the employee to ensure the results match the tested specimen. All collections are handled forensically, which means they are labeled, double-sealed, double-checked for accuracy and completeness, stored in a secure, locked refrigerator until testing, and accompanied by a forensic chain-of-custody.

(h) Whenever there is a reason to believe that the employee may have altered or substituted the specimen to be provided, a second specimen shall be obtained immediately under direct observation of the testing personnel.

39.4.6 Drug Testing Methodology. This drug policy shall in no way be applied to an employee's use of prescription drugs; nor shall it apply to alcohol.

(a) The testing or processing phase shall consist of a two-step procedure:

(i) Initial screening test
(ii) Confirmation test

(b) The urine sample is first tested using the initial drug screening procedure. An initial positive test result shall not be considered conclusive; rather, it shall be classified as "confirmation pending." Notification of test results to the ~~supervisor~~ Professional Standards Division or other departmental designee shall be held until the confirmation test results are obtained.

(c) A specimen testing positive shall undergo an additional confirmatory test. The confirmation procedure shall be technologically different and more sensitive than the initial screening test.

(d) The drug screening tests selected shall be capable of identifying marijuana, cocaine and every major drug of abuse including heroin, amphetamines and barbiturates. Personnel utilized for testing shall be certified as qualified to collect urine samples or adequately trained in collection procedures.

(e) Concentrations of a drug at or above the following levels shall be considered a positive test result when using a FPIA immunoassay drug-screening test.

- Amphetamines 500 ng/1
- Barbiturates 500 ng/1
- Cocaine 300 ng/1
- Opiates 300 ng/1
- THC 100 ng/1
- PCP 25 ng/1
- Benzodiazepines 200 ng/1
- Methadone 25 ng/1

Concentrations of a drug at or above the following levels shall be considered a positive test result when performing a confirmatory GC/MS test on a urine specimen that tested positive using a technologically different initial screening method.

- Marijuana metabolite 15*
- Cocaine metabolite 150**
- Opiates:
  - Morphine 300**
  - Codeine 300***
- Phencyclidine 25
- Amphetamines:
  - Amphetamine 500
  - Methamphetamine 500

* Delta-9 tetrahydrocannabinol-9-carboxylic acid

** Benzoylecgonine

*** 25mg/ml if immunoassay-specific for free morphine

(f) The laboratory selected to conduct the analysis shall be experienced and capable of quality control, documentation, chain-of-custody, technical expertise, and demonstrated proficiency in urinalysis.

(g) Employees having a negative drug test results shall receive memorandum stating that no illegal drugs were found. If the employee requests such, a copy of the letter shall be placed in the employee's personnel file.

(h) Any employee who breaches the confidentiality of testing information shall be subject to discipline.

39.4.7 Chain of Evidence - Storage.

(a) Each step in the collecting and processing of the urine specimens shall be documented to establish procedural integrity and the chain-of-custody.

(b) Where a positive result is confirmed, urine specimens shall be maintained in secured, refrigerated storage for one year.

39.4.8 Drug Test Results.

(a) All records pertaining to department-required drug tests shall remain confidential, and shall not be provided to other employers or agencies without the written permission of the person whose records are sought.

(b) Drug test results and records shall be retained in the employee's personnel file for an indefinite period.

39.5 ACTIONS TAKEN/POSITIVE RESULTS.

39.5.1 If an officer tests positive and the tests identify cocaine, heroin, amphetamines, barbiturates, or any other major drug of abuse or illegal drug, the officer's employment shall be terminated. If the test is determined to be inconclusive, then the City shall not have just cause for termination.

(a) The exception shall be forced use as defined in Section 39.04 (4) (f) 1.

39.5.2 An officer who tests positive for marijuana shall be subjected to discipline and referred to the Employee Assistance Program.

(a) The officer shall be subject to mandatory random testing for a period of two years.

(b) The Employee Assistance Program shall not be a substitute for disciplinary action if other rules and regulations have been violated or crimes committed.

(c) A second positive test for marijuana shall be grounds for termination.

39.5.3 A positive test shall be defined as a confirmation test which establishes conclusively that the officer has ingested one of the drugs in question.

39.6 REFUSAL TO SUBMIT. Officers who refuse to submit to a required drug test under this policy shall be terminated from employment as a police officer.

ARTICLE 40
UNIT DUTIES

40.1 UNIT JOB DUTIES. Nn~~n~~on-supervisory job duties shall be assigned only to members of the Bargaining Unit. Ranks excluded from the Bargaining Unit are so excluded because the primary nature of their positions is to supervise personnel of the department, and accordingly they shall not be assigned to perform non-supervisory duties as part of their normal and usual job duties; provided that this restriction shall in no way restrict such personnel in taking any and all police action, or performing police duties and functions in relation to situations, events or circumstances encountered or observed by such officers in the course of the performance of their supervisory duties (for example, a supervisor would not work radar or patrol for traffic violators, but would be expected to apprehend or arrest traffic violators who are observed by the supervisor while performing the duties of supervision of personnel).

The City and GBPPA recognize that situations may occur where it is necessary that a supervisor become involved in an incident in a manner which may be considered outside of supervisory duties. The City, however, recognizes and agrees that the primary responsibility of a supervisor is to supervise officers in their work. The labor agreement provides for the situation where an obvious emergency need exists.

In addition to the emergency exception, the GBPPA agrees that it shall not grieve incidents of supervisors taking de minimus (minor, inconsequential, minimal) police action such as being approached by a citizen with a complaint (i.e. parking complaint, dispersal of loitering parties, etc.) which shall involve little time and keeps the supervisor in their primary duties of supervising the employee. However, if the incident becomes more involved than initially determined, then a unit shall be dispatched to the incident to take over the call. Situations must be weighed with efficiency and public service in mind, with constant re-evaluation of the situation in order to regain the functioning capacity of a supervisor.

- This restriction shall in no way restrict such personnel (supervisor) in taking any and all police action, or performing police duties and functions in relation to situations, events or circumstances encountered or observed by a supervisor in the course of the performance of their supervisory duties.
- A supervisor would not work an OWI from beginning to end, but would be expected to apprehend or arrest a traffic violator who is observed by the supervisor while performing the duty of supervising personnel.
- A supervisor would be expected to take de minimus police action related to a situation that arises in front of them and requires immediate police action and then turn this incident over to patrol units when/if further action is necessary (i.e. report is needed).
- The issues of unforeseen, emergent/emergency and or immediate need for police action allow for the supervisor to take action and once that initial action is taken to address these issues, patrol units, if not already on scene, shall be dispatched to take over the call and the supervisor shall return to their supervising capacity.
- The concepts of public service, efficiency, and unit duties are satisfied by: 1) the supervisor unit taking action in the unforeseen, emergent or need for immediate police action situations, 2) the patrol unit taking over the situation and performing the job functions of a patrol unit, and 3) the supervisor returning to their primary supervisory function.

Should a concern arise as to whether any action by a supervisor is not of a de minimus nature, or did not arise out of an emergent situation requiring immediate police action, the GBPPA agrees to first bring the concern to the attention of a ranking supervisor, Commander or above, as soon as possible after the concern arises. The City and the GBPPA agree to waive the contractual timelines regarding the filing of any grievance until the City and GBPPA have the opportunity to investigate and discuss the matter.

The Supervisory Unit shall perform Voice Stress Analyzer tests for internal affairs purposes, background checks, and other issues requiring a supervisory employee to perform such tests; Unit members shall perform all criminal investigation tests unless a supervisory employee is required or a qualified unit member is not available and a qualified supervisory employee is, and there is an immediate need to take the test for use in an interrogation then taking place.

40.2 COMMUNITY SERIVCE INTERNS (CSI). The duties of the CSI shall be assigned at the direction of the City. CSI's shall also perform the following duties which by this agreement may encroach on the duties regularly and customarily performed by members of the GBPPA. CSI's shall provide neighborhood based public service such as directing residents to proper resources, educating individuals and groups on various neighborhood problems and issues, quality of neighborhood and life issues, and provide other community based service support to the residents as directed by the City.

In addition, CSI's shall provide support to the Department, assisting in some duties historically performed by GBPPA members. CSI's shall work with sworn personnel in various divisions within the department under the general supervision of the Department CSI supervisor. CSI's shall complete minor complaint reports similar to those taken over the phone by front desk personnel, and perform follow-up work on reports generated from citizen on-line incident reports. CSI's shall provide assistance in areas such as answering telephone calls, assisting citizens who come to the station for assistance, filing paperwork, and other similar de minimis activities.

CSI'S shall provide support to the patrol function in areas such as assisting with traffic control, (i.e. providing traffic direction, disabled vehicles, traffic hazards), crossing guard duty, animal complaints, lost and found, and other similar de minimis activities.

As this CSI support concept progresses, any changes that may infringe on work duties of the GBPPA shall be discussed. If the GBPPA feels any duties assigned to CSI's which encroach on officers duties do not fall within this agreement, the GBPPA and the City shall open discussions to resolve the matter. If the matter is unable to be resolved, the GBPPA retains the rights to grieve the matter as defined in Article 3 of this Agreement. CSI's shall not be used to replace or supplant sworn officers at any special event overtime or other overtime opportunities that are normally and customarily worked by sworn officers of the Department.

IN WITNESS WHEREOF, the parties hereto have signed this Agreement as ratified by the Police Unit on June 16, 2016 and approved by the City Council on June 21, 2016.

FOR THE GREEN BAY PROFESSIONAL POLICE ASSOCIATION:

~~/s/ Nathan E. Allen~~ _____ 2/14/17 _____
~~Nathan E. Allen~~Phil Scanlan, President Date

~~/s/ Jonathan Cermele~~ _____ ~~1/9/2017~~ _____
Jonathan Cermele, Legal Counsel Date

FOR THE CITY OF GREEN BAY:

~~/s/ James J. Schmitt~~ _____ ~~2/15/2017~~ _____
~~James J. Schmitt~~Eric Genrich, Mayor Date

~~/s/ Lynn M. Boland~~ _____ ~~2/14/2017~~ _____
~~Lynn M. Boland~~Joseph W. Faulds, Human Resources Director Date

~~/s/ Andrew J. Smith~~ ~~2/20/2017~~

~~Andrew J. Smith~~Christopher Davis, Police Chief Date

ATTEST:

~~/s/ Kris A. Teske~~ ~~2/20/2017~~

~~Kris A. Teske~~, City Clerk Date

SCHEDULE A
WAGE SCHEDULE

Increases effective the first day of the payroll period in which the effective date occurs

Step	Classification		~~July 1, 2016~~January 1, 2020 ~~Varies~~ 2.0%	~~July 1, 2017~~ January 1, 2021 ~~2.0%~~ 1.5%	~~Jan. 1, 2018~~ December 31, 2021 ~~2.25%~~ 1.5%	~~Jan. 1, 2019~~July 1, 2022 ~~2.25%~~ 2.5%
1	New Hire	*Hourly*	~~$26.00~~ 28.28	$2~~6.52~~ 28.70	~~$27.12~~ 29.14	~~$27.73~~ 29.86
		Bi-Weekly	~~$1,964.50~~ 2,136.87	~~$2,003.79~~ 2,168.92	~~$2,048.88~~ 2,201.45	~~$2,094.97~~ 2,256.49
2	After 1 Year	*Hourly*	~~$26.75~~ 29.10	~~$27.29~~ 29.53	~~$27.90~~ 29.98	~~$28.53~~ 30.73
		Bi-Weekly	~~$2,021.17~~ 2,198.52	~~$2,061.59~~ 2,231.50	~~$2,107.98~~ 2,264.97	~~$2,155.41~~ 2,321.59
3	After 2 Years	*Hourly*	~~$29.11~~ 31.66	~~$29.69~~ 32.13	~~$30.36~~ 32.62	~~$31.04~~ 33.43
		Bi-Weekly	~~$2,199.18~~ 2,392.14	~~$2,243.17~~ 2,428.02	~~$2,293.64~~ 2,464.44	~~$2,345.24~~ 2,536.05
4	After 3 Years Top Patrol	*Hourly*	~~$31.98~~ 34.79	~~$32.62~~ 35.31	~~$33.36~~ 35.84	~~$34.11~~36.74
		Bi-Weekly	~~$2,416.56~~ 2,628.60	~~$2,464.89~~ 2,668.03	~~$2,520.35~~ 2,708.05	~~$2,577.06~~ 2,775.75
5	After 6 Years Advanced Patrol Officer	*Hourly*	~~$32.67~~ 35.53	~~$33.32~~ 36.06	~~$34.07~~ 36.60	~~$34.84~~ 37.52
		Bi-Weekly	~~$2,468.13~~ 2,684.69	~~$2,517.49~~ 2,724.96	~~$2,574.14~~ 2,765.83	~~$2,632.05~~ 2,834.98
6	After 7 Years Advanced Patrol Officer	*Hourly*	~~$32.73~~ 35.60	~~$33.38~~ 36.13	~~$34.13~~ 36.68	~~$34.90~~ 37.59
		Bi-Weekly	~~$2,472.89~~ 2,689.87	~~$2,522.35~~ 2,730.22	~~$2,579.10~~ 2,771.17	~~$2,637.13~~ 2,840.45
7	After 10 Years Specialist	*Hourly*	~~$34.26~~ 37.26	~~$34.94~~ 37.82	~~$35.73~~ 38.39	~~$36.53~~ 39.35
		Bi-Weekly	~~$2,588.43~~ 2,815.55	~~$2,640.19~~ 2,857.78	~~$2,699.60~~ 2,900.65	~~$2,760.34~~ 2,973.17

8	After 15 Years Specialist II	*Hourly*	~~$36.67~~ 39.89	~~$37.40~~ 40.49	~~$38.25~~ 41.09	~~$39.11~~ 42.12
		Bi-Weekly	~~$2,770.73~~ 3,013.85	~~$2,826.15~~ 3,059.06	~~$2,889.73~~ 3,104.95	~~$2,954.75~~ 3,182.57
N/A	Patrol Sergeant	*Hourly*	~~$37.92~~ 41.17	~~$38.65~~ 41.78	~~$39.50~~ 42.41	~~$40.36~~ 43.47
		Bi-Weekly	~~$2,865.15~~ 3,110.50	~~$2,930.30~~ 3,157.16	~~$2,984.53~~ 3,204.52	~~$3,049.51~~ 3,284.63

A) The City has the discretion to hire new employees above Step 1, as long as the employee has the equivalent amount of experience from another jurisdiction. Such employees shall then advance according to the pay schedule.

B) Temporary Assignment Pay. Whenever an officer is assigned to perform the duties of a higher-ranking officer for a period of one complete shift or more, s/he shall be compensated at the rate of pay of the higher ranked officer.

C) SPECIALIST ADD-ON. Specialists I & II assigned to Detectives shall receive an $80 per month premium, which shall become a part of their base salary while assigned to detectives.

APPENDIX A
INVERSED ROAD OVERTIME EXAMPLES

INVERSE SITUATIONS:

- Road overtime known outside of 2-hours of need and unable to fill.
- Road overtime first known inside of 2 hours for next shift (aka: holdover for safety staffing).
- Road overtime – odd times not abutting a shift.
- Special event / non-road overtime.
- NOTE: 14¼ hour limitation applies to all inverse situations.

INVERSED ROAD OVERTIME KNOWN OUTSIDE OF 2 HOURS OF NEED:

- Posting that was unable to be voluntarily filled.
- Call-in that no officer voluntarily accepted.

Approx. Time Key That Abuts A Shift	**Filled By**
6:15a - 7:30a	No safety staffing during these hours
7:30a - 11:00a	JR night shift outgoing not on their Friday, given OT from 6:45a – all must understand increase of hours
11:00a - 2:15p	JR afternoon shift oncoming
2:15p - 7:00p	JR of day shift outgoing and evening shift oncoming
4:00p - 7:00p	JR of day shift outgoing and evening shift oncoming
7:00p - 10:15p	JR night shift oncoming
10:45p - 3:30a	JR afternoon shift outgoing
3:30a - 6:15a	JR of evening shift not on their Friday outgoing and EARLY day shift oncoming

INVERSED ROAD OVERTIME FIRST KNOWN INSIDE OF 2 HOURS OF NEED FOR NEXT SHIFT (AKA: Holdover for safety staffing). Late sick call in most common.

Time Needed	**Filled By**
6:45a	JR night shift outgoing not on their Friday, given OT from 6:45a
2:15p	JR day shift outgoing
4:00p	JR day shift outgoing
10:45p	JR afternoon shift outgoing
3:30a	JR evening shift outgoing not on their Friday

INVERSED ROAD OVERTIME ODD SLOT THAT DOES NOT ABUT A SHIFT

INVERSED NON-ROAD OVERTIME (Special Event, special duties overtime). If necessary to fill this type of overtime, shall need to resort to contractual language of determining "junior officer on their workday" within their workweek.

1. Determining what is a workday within a workweek.
   - Day: 12:00a first day back through 11:59p last work day
   - Midday: 12:00a first day back through 11:59p last work day
   - Afternoon: 12:00a first day back through 11:59p last work day
   - Evening: 12:00a first day back through 11:59p during their last shift even though they work beyond to 3:30a (last 3½ hours of work is on their off day)
   - Night: 12:00a the morning of first day back through 11:59p during their last shift even though

they work beyond to 6:45a (last 6¾ hours of work is on their off day)

2. What is the actual calendar date of the individual overtime slot (not the roster date you are filling)? That is the date used to determine the pool of officers to choose from.
3. The junior officer on their workday is inversed.
4. Should no officer on a workday be eligible, then it falls to junior officer on their day off in order of the following pools;
   a. Officers on regularly scheduled days off with no time off taken on either end.
   b. Officers on regularly scheduled days off or on off time not associated with one of the three yearly vacation picks.
   c. Officers on time off associated with one of the three yearly vacation picks including regularly scheduled days off adjacent to that time off.

DEVIATIONS OF OFFICERS NORMAL WORK SCHEDULE AND APPLICABILITY

- PARTIAL DAY OFF TAKEN (including partial trade off): are still eligible to be inversed so long as the time to be filled is connected to the officer still being on duty. Officer working partial trade cannot be inversed.
- WORKING PARTIAL TRADE ON A DAY OFF: are still on their day off and not eligible to be inversed.
- FULL TRADE ON A DAY OFF: are considered on a workday.
- FULL SHIFT OF OVERTIME ON A DAY OFF: are considered on a workday.
- PARTIAL SHIFT OF OVERTIME ON A DAY OFF: are still on their day off and not eligible to be inversed.
- WORKING NON-ROAD OT: not eligible to be inversed and not in the "holdover" voluntary pool.

INVERSING PROTOCAL SCENARIOS 4-7-10

Time needed: 7:30a – 11:00a: Day shifter calls in at 5:00a shorting the shift. Need an officer at 7:30a. Full call in must be done as time needed is outside the 2-hour mark. No takers. Inverse junior night shift officer outgoing not on their regular Friday and works from 6:45pm.

Same time slot needed but was a posting that no one took. Go directly to junior night shift outgoing and works from 6:45a.

Time needed: 11:00a – 2:15p: Call in was done for the time slot and there were no takers. Junior afternoon shift officer oncoming gets inversed.

Time needed: 3:30a – 6:15a: Posting came down/call in done and no takers. Junior officer from evening shift outgoing not on their regular Friday, and day shift oncoming is inversed.

Same time needed, but shortage was due to a night shifter going home sick at 2:00a. This is within the 2-hour mark and junior evening shifter not on their regular Friday is inversed.

Time needed: 6:00p – 7:00p: This abuts the evening shift. Call in/posting was done and no takers. Junior evening shifter oncoming is inversed.

Time needed: 11:00a – 1:00p: Officer takes the time off sick for a Dr. appointment and it creates a shortage. A call in/posting is done and no takers. An officer is on OT on their day off until 11:00a but declines the OT but happens to be junior. Cannot inverse the officer on OT as it is still considered a day off. Neither time needed abuts a shift. You would need to determine the junior officer on their workday and inverse.

Time needed: 5:00a: Officer on night shift goes home sick and creates an immediate shortage. 5.7.2.c kicks in as it is within 3-hours of the end of the shift. Filled by a call in of the day shift. If no takers, junior officer is inversed.

APPENDIX B
PHYSICAL FITNESS INCENTIVE PROGRAM

1. Effective for the 2018 calendar year and each year thereafter, police officers will be eligible for an annual physical fitness incentive of up to $~~500~~ 535 annually by successful completion of a City designed physical fitness course (PFC) in effect as of the ratification of this Agreement. The initial design of the course will be the entry level officer fitness course test. Scheduling of the PFC, makeup and/or PFC retest will be determined by the Chief of Police or designee.
2. A police officer who successfully completes the PFC with a passing time will receive an incentive payment of $~~500~~535.
3. If an officer does not pass the PFC on their first attempt they have the following options:
    a. An officer completing the course but not passing may receive $100 for completion of the course, or;
    b. that officer may request a re-test, in writing, within 30 calendar days to the Chief of Police or designee. The officer will be allowed to retake the PFC at the next available makeup date. If an officer passes the PFC on their second attempt they will receive an incentive payment of $250 in that calendar year.
4. All payments are subject to appropriate tax deductions~~, and will be WRS eligible~~.
5. An officer who is incapacitated during the PFC test may test at an alternate time established by the City. In the event an officer has a medical restriction preventing participation in a particular portion of the PFC, the City will establish an alternate testing procedure.
6. A PFC design committee consisting of 2-representatives selected by the GBPPA, 2-managerial police officers and 1 representative from Human Resources will assist the Chief of Police or designee in developing the physical fitness course. Outside experts such as trainers, physical therapists, or other appropriate personnel may be brought in by the PFC design committee to provide advice and guidance in designing the course.

APPENDIX C

Police Patrol Sergeants Memorandum of Understanding

APPENDIX D

Specialty Team Training Flex Agreement

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TENTATIVE AGREEMENT

Specialty Team Training Flex Agreement:

Training plans and schedules are set and approved by the specialty team supervisors. The training on duty code will be entered into the employee work schedule by the specialty team supervisors.

Employees will submit a communication (email) to their direct supervisor and their specialty unit supervisor, at least 10 days prior to the scheduled training date of their intention to flex or not flex their workday to attend training. If an employee does not give notice prior to 10 days before the scheduled training date, the employee will be held to only working/training of a total of 8.5 hours and will not have the option to earn payback outside of 8.5 hours for the specialty team training. In the event training is scheduled with less than 10 days advance notice, the employee will still be able to determine whether to flex or not flex their workday.

7.21 applies to this agreement in terms of maintaining the 2-person buffer and all applied language of article 7.21.

In the event an employee has provided notice of intent to flex his workday to attend training, but an operational need occurs and the employee's supervisor determines that the employee needs to work his normal hours, the employee will be allowed to work those normal hours along with attending any remaining training hours and will earn payback for any hours in excess of the regular 8.5 hour day.

Call-in During Training:

Employees attending training on a normally scheduled off day or outside their normal work hours of a normal workday will be considered to be on a workday in terms of compensation for a minimum call in related to article 6.4. Employees shall be compensated for a minimum of 3 hours for any call-in time worked during scheduled training. If the reason for the call-in is resolved prior to the scheduled end time of training, the employee will return to training and will be compensated via payback for the remaining of the scheduled training. (Example: an employee who is earning payback while training on his off time is called to duty for a SWAT or DIVE call in)

Modify Article 6.4 as follows:

6.4 MINIMUM CALL-IN TIME. Employees shall be compensated for a minimum of 3-hours for any call-in time worked on a scheduled work day, a day on which an officer works a full 8½-hour work day pursuant to posted shift overtime, or for a call-in while an officer is attending either a voluntary school, specialty team training or in-service training (an officer receiving call-in pay on a day attending school shall still be entitled to compensatory time as if no call-in occurred if the officer successfully completes the school in question, and if the school is not successfully completed, shall receive compensatory time for those hours in attendance). The department may engage police officers in police business on site during in-service training without paying call-in, provided such shall not jeopardize the officer receiving full credit for the class interrupted. Employees shall

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be compensated for a minimum of 6-hours for any call-in time on a day off or scheduled vacation. This call-in time shall be compensated at the base rate of pay.

This tentative agreement will resolve GBPPA Grievance 20-003 (SWAT Flexing), 20-004 (Dive Flexing), and 20-006 (SWAT Call-in while training). This language is a temporary agreement that will be binding and will be absorbed into the contract only upon contract ratification or arbitration ruling.

P. Scanlan 8-19-21

Phillip Scanlan – GBPPA President

James Runge 8/19/21

Chief James Runge

MEMORANDUM OF UNDERSTANDING
BETWEEN
GREEN BAY PROFESSIONAL POLICE ASSOCIATION
AND
CITY OF GREEN BAY
February 27, 2018
POLICE PATROL SERGEANTS

The City and the Bargaining Unit agree to the following terms regarding the establishment of and the transition to Police Patrol Sergeants in the Green Bay Police Department. The terms of the MOU, as well as the attached provisions, will be incorporated into any successor to the 2016-2019 Labor Agreement.

The Agreement does not include Sergeants in the Detective Division. Prior to adding a Detective Sergeant classification or any other Sergeant classification, the City will meet and negotiate with the GBPPA regarding the implementation of Sergeants in the Detective Division or any other Sergeant classification.

1. Eligible employees must have 6 years of experience as a Green Bay Police Officer prior to testing, and must have 7 years as a Green Bay Police Officer at upon accepting appointment as a Patrol Sergeant. The selection process will be in accordance with 7.2.3.a-i (D). The list will be good for one year.

2. Patrol Sergeant positions will count as patrol officers for purposes of safety staffing under Article 5.7.2. For the purpose of this agreement, the position of "Patrol Sergeant" will only be part of the Patrol Division.

3. Sergeant positions will be represented by the GBPPA.

4. The provisions of Article 40, Unit Duties, do not apply to the Sergeant classification. In addition to all duties of a patrol officer, Sergeants will perform certain supervisory duties including but not limited to conducting performance appraisals, participating in the selection process, and recommending initial stages of disciplinary action and other duties as assigned.

5. Patrol Sergeants have the same eligibility for Temporary Assignments, Special Projects, and Specialty Teams as Police Officers. If a Patrol Sergeant is selected for the following specialty team or assignment: SWAT, Dive, Marine Unit, Community Crisis Intervention Team, Critical Incident Stress Management Team, Gang Identification Task Force, Honor Guard Unit, Traffic Crash Reconstruction Team, or Mounted Patrol Unit, the Patrol Sergeant will maintain the rank of sergeant but will not be acting as a supervisor for that team unless otherwise assigned as a team leader in accordance with the policy for that specialty team. A Patrol Sergeant will lose his or her rank of Sergeant when selected for the following specialty teams and assignments: School Resource Officer, Canine Unit, Community Policing Unit, Mental Health Officer, Professional Standards Division, Range Master, Drug Task Force, Traffic Officers, or Detectives. Patrol Sergeants are not eligible for the FTO Program, but may be selected for a Field Training

Supervisor (FTS) position. A Patrol Sergeant may be eligible for the Police Motorcycle Unit, but may not operate a motorcycle when acting as a supervisor. Patrol Sergeants are eligible for the Training Unit, but will not be considered supervisors for the purpose of training.

6. A seniority roster for Patrol Sergeants shall be maintained and a Patrol Sergeant will pick vacation time amongst other Patrol Sergeants on the Patrol Sergeant's shift.

7. A seniority roster for the rank of Sergeant shall be maintained for purposes of movement among shifts. Seniority for such purpose shall be based upon time in grade (i.e., seniority within the rank of Sergeant), as opposed to bargaining unit seniority. Whenever an assignment to a new shift becomes available, the opportunity to fill that assignment shall first be offered to the most senior Sergeant on such posting and, if he/she declines the assignment, then to the next most senior Sergeant, and so on.

8. If call-in for road supervision is necessary, call-in will be on a rotating basis with the patrol lieutenants called in first, then Sergeants, and then Administrative Lieutenants. If no one accepts the road supervision call-in, the patrol lieutenants will be inversed for the call in, then Sergeants and then Administrative Lieutenants.

9. Unless otherwise specifically addressed, seniority for Sergeants will be their "bargaining unit" seniority. When referred to specifically "Sergeant Seniority" will be time in grade. If a Sergeant returns to a police officer position, seniority will be the bargaining unit date. If a Sergeant accepts a position in a specialty team or assignment where the Sergeant loses his or her rank or any other position at a higher rank (i.e. Lieutenant, Captain, or Commander), the time in that position will not be included in Sergeant Seniority if the individual returns to the Sergeant position at a later date.

10. Sergeants will be eligible for overtime in accordance with the GBPPA Agreement.

    a. *Patrol Sergeants will be added to 6.3.2 (b) Overtime language of contract. For example Officer or Patrol Sergeant.*

11. Schedule A of the GBPPA Agreement will be modified to include the following:

Classification		July 1, 2016	July 1, 2017	Jan. 1, 2018	Jan. 1, 2019
Sergeant	*Hourly*	$37.92	$38.65	$39.50	$40.36
	Bi-Weekly	$2,865.15	$2,920.30	$2,984.53	$3,049.51

D) Per Schedule A of Wage Schedule part B Temporary Assignment Pay, Sergeants will receive step 1 of Lieutenant rate of pay when the Sergeants working a minimum of 45 minutes in a capacity of a higher rank will receive one (1) hour of step 1 Lieutenant pay, time for time after one hour and anything less than 45 minutes would not receive Lieutenant pay.

E) Advancement to the Sergeant classification is not automatic and will occur in accordance with the selection process under 7.2.3.a-i (D) of this Agreement.

12. For purposes of the collective bargaining agreement, the following terms will have the meaning ascribed to them:
    - The term "Command Officers" means Police Chief, Commander, Captain and Lieutenant.
    - The term "Supervisor" means Police Chief, Commander, Captain, Lieutenant and Sergeant.
    - The term "Specialty Unit Supervisor" means the sworn officer designated to be the Specialty Unit Supervisor for specialty teams and assignments.

Modifications to the contract language reflecting these changes will be incorporated into the contract.

INFORMATIONAL ONLY – NOT INCLUDED AS PART OF MOU

The number of Sergeant positions is at the discretion of the Chief of Police. It is intended that Sergeant positions will typically be filled based on attrition from the Lieutenant's unit. However, not all Lieutenant positions will be converted to Sergeant positions.

Dated: 5/01/18

For City of Green Bay	**For Green Bay Professional Police Association**
Andrew J. Smith, Police Chief	Craig P. Pakkala, GBPPA President
Joseph W. Faulds, HR Director	Jon Cermele, GBPPA Legal Counsel

The parties agree the following provisions of the 2016-2019 Labor Agreement shall be modified as identified:

ARTICLE 4
HOURS

4.1 NON-SHIFT EMPLOYEES. The work schedule for non-shift employees shall be equalized with that of the shift employees subject to approval of the Command Officer. Approval shall not be unreasonably withheld. The workday for non-shift employees shall be a maximum of eight and one-half hours.

4.2.2 The normal tour of duty shall be 8½-hours including roll call time. However, officers may return to the station after 8¼-hours in order to submit all usual and required written reports and information and to ascertain that they have been properly and correctly submitted before leaving the premises. In no event shall the completion of a required report become a matter involving overtime except with approval or at direction of the Command Officer.

4.3.3 Within 30-days but not less than 24-hours prior to the start of the time off requested, such selection shall be on a first come, first served basis regardless of seniority up to the number of officers allowed off under the Labor Agreement regardless of staffing requirements. The shift commander or other designated Command Officer may, in their sole discretion, allow more officers off than the number of officers allowed off under the Labor Agreement regardless of staffing requirements in accordance with the above procedures for identifying the officers. In no event may an officer select time off without 24-hours notice prior to the start of the time off requested, to the shift commander or other designated Command Officer, but a shift commander or other designated Command Officer may, in their sole discretion, waive the 24-hour notice for reasons found sufficient. For purposes of this provision, officer means an 8½-hour shift.

4.4 FLEX TIME. Officers shall not be allowed to flex their hours in a workday except as explicitly provided for in the Agreement or specifically agreed to in writing between the City and the Association from time to time. Officers who work an administrative schedule (5-2, 4-3) may work on their flex day with Command Officer approval during their last five years of work before their declared retirement date.

5.2.2 The request shall be in writing and approved by the shift commander or Command Officer of both the requester and substitute, which said approval shall not be unreasonably withheld.

5.7.2 Staffing Requirements. In order to serve the above general policy, the following minimum officer safety staffing shall be maintained at all times, subject only to the provisions of 5.7.2.c below. Patrol sergeant positions will count as patrol officers for purposes of safety staffing.

a. Safety staffing between the hours of 6:15a and 10:30a will be 11-officers, two of which may be Command Officers. Safety staffing between the hours of 10:30a and 7:00p will be 13-officers, two of which may be Command Officer. From 7:00p until 3:30a this minimum shall increase to 16-patrol officers, however may be reduced to 14-patrol officers because of absences due to officers going home during shift due

to Illness. From 3:30a until 6:30a minimum staffing may be reduced to 10-patrol officers on duty.

b. The following provisions shall apply to the counting of patrol officers for minimum staffing requirements:

   i. The City may count up to 2-road Command Officers toward the staffing requirement. If 2-road Command Officers are not available, the Chief of Police or designee shall replace any such unavailable Command Officer with a sergeant or patrol officer, unless otherwise agreed by means of an MOU;

6.3.2 Qualification for Overtime. When determining qualifications, department shall abide by the following:

e. All overtime above shall begin at the station and the officers assigned shall report to the Shift Commander or briefing supervisor verifying their presence, at the end of the assignment the officer(s) must stop at the Shift Commander's office and verify they have completed their assignment. There is no change to the Packer Game Day reporting for duty and overtime procedures.

f. Command Officers shall not be qualified to work any overtime involving unit duties.

6.3.5 Overall hour limitation. Except as provided above, overtime shall not be allocated or assigned where it would result in an officer working more than 14¼-hours, in a combination of overtime, training, duty hours and/or shift trades in any 24-hour period. A new 24-hour period commences whenever there is a 7½-hour break in on duty time. An officer cannot be inversed into an assignment if it would result in the violation of this Article. The 14¼-hour limitation provided for in this paragraph shall be extended to allow for the duty of officers to extend their shifts upon the order of a Command Officer or when addressing emergencies that may occur at the end of a shift.

6.3.6 Inversed Overtime Assignment. Whenever an officer is inversed to work an overtime assignment, the officer inversed shall have the right to have another officer work the overtime on the same basis as the assigned officer, provided the replacement officer is from the pool of officers that were originally considered for the overtime assignment (in essence giving it away, the one that actually works it gets paid). In the event the City determines the need for the inversed overtime assignment has ended, the officer that is working the inversed overtime assignment may voluntarily cancel or cut short the overtime assignment with notice to the Command Officer. At the officer's choice inversed overtime assignments may be cancelled in accordance with provisions of this Article.

7.2.3 PROCESS FOR SELECTION. The selection process may consist of the following:

d. Interview process with an interview team selected by the Chief of Police or designee which will consist of at least the following: one Command Officer, one GBPPA Board member and one of the following options

- 1 GBPD member presently serving on the unit/assignment in question, or
- 1 member from an outside agency or civilian with appropriate "skill set", or
- 1 civilian on the following interview panels: School Resource Officer, Mental Health Officer, Youth Coordinator Officer, and Community Policing.

Officer must receive 70 or higher to continue in the process. The interview will have a value of 100 points and the officer's score will equate to the number of points

received by the interview committee. At the officer's request the officer may review their file prior to the interview.

e. If a peer review is required it will be led by the Command Officer of the specialty unit and members of the specialty unit selected by the Chief of Police or designee. Officer must receive 70 or higher to continue in the process. The highest and lowest scored peer reviews shall be disregarded when calculating an officer's score. The peer review will have a value of 100 points and the officer's score will equate to the number of points received by the peer review committee.

7.3.3 The Canine Officer shall be responsible for 17-hours of maintenance training per month on a yearly average. Canine officers shall be paid at straight time pay for up to 171-hours in the 28-day cycle, if the training pushes the officer over the 171-hours they would receive 1½ pay for those hours (this provision is to address training only and is not a waiver of other contractual overtime i.e. time in excess of 8½ hours in a day). Additional training shall be available with the Special Unit supervisor approval.

7.3.15 Canine Decoys will assist canine handlers during training both on training days and while on shift and attend training as approved by the appropriate Special Unit supervisor. Canine Decoy requirements are:

e. Canine Decoys will rotate training days based on seniority first, and then whoever is next available. If a Canine Decoy cannot make a training day they will not lose their spot on the rotation. A Canine Decoy will only be used when training plans call for a Canine Decoy(s) as approved by the appropriate Special Unit supervisor.

h. Officers engaging in other Canine Decoy duties on their off time will be compensated at time for time payback. Special Unit Supervisory approval will be required prior to any member flexing their hours or performing duties on their off time.

7.4.1 SWAT Team requirements include:

e. The SWAT Team may train up to 12¾-hours per calendar month. Hours may not be carried over outside the calendar month except the SWAT Commander may grant exceptions on a case-by-case basis to facilitate special training needs. The compensation for this training shall be actual hours at time for time via payback for those on their off time. All training plans and schedules must be approved by the Special Unit supervisory personnel. SWAT Team officers may flex their workday to attend training in accordance with 7.21.

7.4.4 CRISIS NEGOTIATOR. The department shall maintain up to 6-officers trained as Crisis Negotiators. This cadre of officers shall be managed by the SWAT Command staff. Crisis Negotiator requirements include:

d. Crisis Negotiators shall train up to 4-hours per month. The SWAT Commander may grant exceptions on a case-by-case basis to facilitate special training needs. The compensation for this training shall be actual hours at time for time via payback for those on their off time. All training plans and schedules must be approved in advance by the Special Unit supervisory personnel.

7.4.5 SWAT Decoy: SWAT Decoy requirements are:

e. SWAT Decoys will rotate training days based on seniority first, then whoever is next available. If a SWAT Decoy cannot make a training day they will not lose their spot on the rotation. A SWAT Decoy will only be used when training plans call for a SWAT

Decoy(s) as approved by the appropriate Special Unit supervisor. SWAT Decoy officers may flex their workday to attend training in accordance with 7.21.

f. Officers engaging in other SWAT Decoy duties on their off time will be compensated at time for time payback. Special Unit Supervisory approval will be required prior to any member flexing their hours or performing duties on their off time.

7.5.5 Approval by the Special Unit Supervisor will be required prior to any FTO flexing their hours or performing work outside their regular duty hours.

7.6.4 Shift Schedule Deviations. With Special Unit supervisory approval CPU Officers may voluntarily deviate from the afternoon shift schedule to accommodate the neighborhood/ community needs as long as hours consistent with the 5/3 schedule are maintained.

7.6.5 Excess Hours. Hours approved by a Special Unit supervisor that are worked in excess of the scheduled workday shall be compensated in accordance with Article 6. An exception is when the approved work is performed at the initiative of and voluntarily by the officer to meet the needs of the officer's neighborhood community. These hours are compensated at straight time off in compliance with FLSA limitations. No officer may alter a work schedule for the sole purpose of qualifying for posted overtime with the exception of Packer Games.

7.6.6 Vacation. CPU Officers shall select vacation separate from the afternoon shift of the Operations Division, however may not schedule the same time period as their geographical partner without approval of the Special Unit supervisor.

7.7.1 Dive Team requirements include:

d. Members may flex their work day or receive payback compensation for attending or conducting dive related meetings and/or training on their work day. Members attending or conducting dive related meetings, equipment maintenance and/or training on their off time shall be compensated at time for time payback. Approval by the Special Unit Supervisor shall be required prior to any member flexing their hours or performing duties on their off time.

7.7.2 Dive Support officers will be responsible for providing support for the Dive Team in the area of equipment maintenance and operation, diver line tending, general assistance to the divers, and other duties as needed. Dive Team Support Officer requirements include:

f. Officers engaging in other Dive Support duties on their off time will be compensated at time for time payback. Special Unit Supervisory approval will be required prior to any member flexing their hours or performing duties on their off time.

7.8 MARINE UNIT: When trained, officers assigned to the unit shall be deemed qualified to receive assignment to patrol the Fox River within the City of Green Bay and operate the Dive Team Boat under the procedures for allocation of overtime assignments contained in Article 6. The Marine Unit or Dive Team is at the mercy of the weather; therefore, the assignment may be cancelled at any time prior to the scheduled starting time without relief. Once the assignment starts and, in the case of the Marine Unit if it was scheduled for 3-hours or more, there shall be a minimum of 3-hours paid. The decision to cancel a Marine Unit assignment shall be made by a Special Unit supervisor or the Shift Commander.

7.8.1 The department will create a Marine Unit, whose duty will be operation of the department watercrafts for purposes of harbor patrol and boat operation, including all

related equipment, both for general harbor patrol duties, and watercraft operation in support for the department Dive Team. Marine Unit requirements include:

f. Marine Unit officers will train up to 3-hours per month during the months the department watercraft are in the water and available for immediate deployment. The Marine Unit Commander may grant exceptions on a case-by-case basis to facilitate special training needs. Officers will train on a rotating basis with the Dive Team as scheduled by the Dive Special Unit supervisory personnel. When not assigned to Dive Team training that month, the remaining Marine Unit officers will train separate from the Dive Team. Compensation for training will be actual hours at time for time via payback for those on their off time.

h. Officers engaging in other non-call-in Marine Unit duties on their regular off time will be compensated at time for time payback. Special Unit Supervisory approval will be required prior to any member flexing their hours or performing duties on their off

7.9.4 Training Opportunities: Members selected to the CCIT shall receive CCIT and mental health related training. Members shall then select a CCIT specialty (two to three members per specialty), such as Post Traumatic Stress Disorder (PTSD), Schizophrenia, Alzheimer's and Elder care issues, etc. for focused training. The number of members in a specialty area and the selection of a specialty shall be made between the members of the CCIT and their Special Unit supervisor with the Special Unit supervisor having the final decision. The member shall then voluntarily attend any professional meetings and/or training within the employee's specialty. Specialized and non-specialized training opportunities and meetings shall be rotated among the members of the CCIT.

7.9.5 Compensation: Members attending CCIT related meetings and/or training shall be allowed to flex their hours in their work day. Members attending CCIT related meetings and/or training on their off day shall be compensated at time for time rate via payback. Members shall be allowed to voluntarily perform CCIT duties on their off time and shall be compensated at time for time rate via payback. Members who present or conduct training outside of their normal work hours shall be compensated at time for time via payback. Members shall be compensated for travel time and such travel time shall be included in the total sum of time beginning when members leave the GBPD and end when they return to the department. Special Unit Supervisory approval shall be required prior to any member flexing their hours or performing duties on their off time. Under no circumstances shall an officer receive contractual overtime based on their membership in the CCIT. All compensation must be in compliance with the Fair Labor Standards Act.

7.9.7 Mental Health Officer (MHO): MHO requirements are:

f. With Special Unit supervisory approval MHOs may voluntarily deviate from their shift schedule to attend meetings, appointments, etc. as long as hours consistent with the Administrative schedule are maintained.

h. Hours approved by a Special Unit supervisor that are worked in excess of the scheduled workday shall be compensated in accordance with Article 6. An exception is when the approved work is performed at the initiative of and voluntarily by the officer to meet the needs of the officer's assignment as MHO. These hours are compensated at straight time off in compliance with FLSA limitations. No officer may

alter a work schedule for the sole purpose of qualifying for posted overtime with the exception of Packer Games. (CPTE)

7.10.3 Training Opportunities: Members selected to the CISM will receive CISM related training. Members will then select a CISM specialty such as Debriefing, Defusing, Grief and Loss, Crisis Management Briefing, Critical Incident Adjustment Support or Pre-Crisis Education. The number of members in a specialty area and the selection of a specialty will be made between the members of the CISM and their Special Unit supervisor with the Special Unit supervisor having the final decision. The member will then voluntarily attend any professional meetings and/or training within the employee's specialty. Specialized and non-specialized training opportunities and meetings shall be rotated among the members of the CISM.

7.10.4 Compensation: Members attending CISM related meetings and/or training shall be allowed to flex their hours in their work day. Members attending CISM related meetings and/or training on their off day shall be compensated at time for time rate via payback. Members will be allowed to voluntarily perform CISM duties on their off time and will be compensated at time for time rate via payback. Members who present or conduct training outside of their normal work hours will be compensated at time for time via payback. Members will be compensated for travel time and such travel time will be included in the total sum of time beginning when members leave the GBPD and end when they return to the department. Special Unit supervisory approval will be required prior to any member flexing their hours or performing duties on their off time. Under no circumstances will an officer receive overtime based on their membership in the CISM.

7.13.4 Should an officer accept a position outside of the patrol division, excluding promotion to Command Officer rank, such officer shall retain the officer's status as a Traffic Crash Reconstruction Team member.

7.14.2 Composition of Unit. The Training Unit shall be comprised of members of the GBPD. One-half of the members of the Training Unit may come from the Command Officers of the Department. One-half of the Training Unit shall come from members of the Police Association. Note: Management reserves the right to determine the Command Officers who shall be part of the unit on an annual basis. The Rangemaster position and duties of that position shall continue to be a GBPPA bargaining unit position. The Rangemaster position shall be included as part of the Training Unit. The Professional Standards supervisory staff may assign the Range Master to other shifts or work hours on their normal workday for training purposes.

7.14.5 Assignment of Training. A minimum of 50% of the training assignments in any calendar year (on an hour by hour basis) shall be assigned to members of the Association. The Rangemaster shall continue to perform firearms and DAAT training and all other training of department members on firearms and DAAT shall be shared on an equal (50%/50%) basis between Command Officers and officers, including Sergeants. All training that Training Unit members attend shall be compensated under Article 29 of the Collective Bargaining Agreement with payback. All Training Unit meetings and training provided by Training Unit members who are instructing shall be compensated at time for time payback. Any time spent by a trainer in addition to 8½-hours conducting training shall be compensated at time and a half.

Unit members agree they are volunteering to change shifts as directed by the PSD. The PSD may assign instructors to other shifts or work hours for training purposes. The Department shall provide a 14-day notice for involuntary flexing of hours. The PSD may assign instructors to other shifts or work hours for in-service. Training Unit officers/Command Officers conducting any training shall be required to document the training as directed by the PSD and submit the documentation to the PSD.

7.15.4 Officers shall be assigned to an administrative schedule, (5-2, 4-3), primary hours 7:00 a.m. to 3:30 p.m., with flexible hours dependent on the duties required. All flexing of hours require Command Officer supervisory approval.

7.16.3 Training Opportunity. Members selected to the GITF will receive general gang related training. Members will then select a gang specialty (2-3 members per specialty), for focused training. The number of members in a specialty area and the selection of a specialty will be made between the members of the GITF and their Special Unit supervisor with the Special Unit supervisor having the final decision. The member will then voluntarily attend any professional meetings and/or training within their specialty. Specialized and non-specialized training opportunities and meetings shall be rotated among the members of the GITF.

7.16.4 Compensation. Members attending gang related meetings and/or training shall be allowed to flex their hours in their work day. Members attending gang related meetings and/or training on their off day shall be compensated at time for time rate, pay back. When mutually agreed upon and with Special Unit supervisor approval, members will be allowed to voluntarily perform GITF duties on their off time and will be compensated at time for time, pay back. Special Unit Supervisor approval will be required prior to any member flexing their hours or performing duties on their off time. Members will be compensated for travel time. Travel time will be calculated as follows: travel time will start when a member leaves the GBPD and arrives at the location of the training. After the training, travel time will resume from the training location and end when the member arrives back at the GBPD.

7.18.2 Officers will be assigned to an admin schedule 5-2 Monday thru Friday, 4-3 Monday thru Thursday work week. Officers on the same shift will work opposite work weeks to allow Monday thru Friday coverage. Traffic officers may be posted for pre-determined shifts and schedules based on the specific needs of the community and the department (i.e. a traffic officer on the evening shift or night shift would be assigned to a group to help address OWI concerns).Traffic Officers would be allowed to flex their hours to allow for special projects or problem areas. Flexing of shifts will need prior approval from the Special Unit supervisor.

7.18.3 The department may provide training for salvage inspection to the traffic officer who will be placed on a schedule that will allow for salvage inspection. While on inspection assignment, and with prior Special Unit supervisory approval, the officers hours can be flexed for the purposes of facilitating inspections that could not be done due to the requestor being unavailable during the officer's normal working hours. In the event the salvage inspection duties on any given day have been completed, the officer will resume other traffic unit duties as assigned or needed. Officers trained in salvage inspection will be allowed to continue working as a salvage inspector after completing traffic assignment. While performing scheduled salvage inspection duties, traffic officers will

not count toward staffing numbers.

7.20 MOUNTED PATROL UNIT (EQUESTRIAN) (MPU):

7.20.1 MPU requirements include:

d. Members of the MPU shall generally train up to 8-hours per month during the months the MPU is active. The responsible Special Unit Supervisor for the MPU may grant exceptions on a case-by-case basis to facilitate special training needs. The compensation for this training shall be actual hours at time for time via payback for those on their off time. All training plans and schedules must be approved by the responsible Special Unit Supervisor for the MPU. Travel time will be in accordance with 29.2.1. Training for individual riders may vary based on the riders experience as determined by the Chief or designee.

14.3 PATROL VACATION SELECTION.

e. A Patrol Sergeant will pick vacation time amongst other Patrol Sergeants on the Patrol Sergeant's shift. A seniority roster for each Patrol Sergeant shift shall be maintained along with a calendar identifying off-day groups. This calendar is signed in order to make other Patrol Sergeants aware of time available, but the selection is not official until the Patrol Sergeant signs the shift commander's vacation calendar and submits a vacation request via telestaff to the shift commander. The shift commander shall initial and date all requests when the commander receives them. If a Patrol Sergeant wishes to cancel a vacation, it shall be the Patrol Sergeant's responsibility to contact the shift commander, who shall have the responsibility of pulling the request. The shift commander shall then cross the Patrol Sergeant's name off of the calendar. This shall give other Patrol Sergeants an opportunity to take this time off if they wish.

14.4 DETECTIVE VACATION SELECTION. All vacations must be approved by the Detective Command Officer who shall be responsible for staffing needs. Detectives on an administrative schedule shall pick together. A minimum of 3-administrative schedule Detectives shall be allowed off at any one time, and a minimum of 2-afternoon shift detectives shall be allowed off any one time. In the event there is a change in the Detective staffing levels, the parties agree to collectively bargain regarding possible changes to this provision.

29.2.6 The officer's Command Officer shall determine whether a hotel stay shall be necessary and reimbursed. Such determination shall be made on a case-by-case basis depending on the length of travel, actual start time of the school, length of the school, potential weather condition or the like, with attention to the 14¼-hour limitation. If length of the school is one week or less, and accommodations have been made, there shall be one travel time compensated for the trip to the school, and one for the trip back, and daily on-site travel from accommodations as stated in 29.2.3. Schools lasting in excess of one week shall be reviewed on a case-by-case basis as to necessity for weekend stays. In the event the officer elects to stay at a hotel although the Command Officer has not approved the stay, the officer is responsible for all costs associated with the overnight accommodations. In the event the Command Officer determines a hotel stay is appropriate but the officer elects not to stay, the officer is only entitled to compensation

for one round trip to and from the school, including mileage.

31.4 PROMOTION TO LIEUTENANT.

31.4.1 Upon being promoted to the rank of Lieutenant the officer in question forfeits all Bargaining Unit seniority, except if the officer returns to the unit within 90-calendar days from the effective date of the promotion to Lieutenant the officer will maintain their original date of seniority in the police officer unit minus the number of days they were in the Lieutenant position. In the event that any Command Officer returns to the Bargaining Unit on either a voluntary or involuntarily basis to a rank or position within the Bargaining Unit, that officer returns as the least senior officer within the Bargaining Unit unless it is otherwise agreed in writing by the City and the Bargaining Unit.

31.4.2 Upon appointment to Lieutenant, the appointed officer shall thereafter perform only Command Officer duties in the manner and fashion described for Command Officer supervisory personnel in Section 1.2.

39.3.2 Supervisor - Those sworn employees assigned to a position having day-to-day responsibility for supervising subordinates, or are responsible for commanding a work element, including Patrol Patrol Sergeants for purposes of Article 39.

39.4.6 Drug Testing Methodology. This drug policy shall in no way be applied to an employee's use of prescription drugs; nor shall it apply to alcohol.

(b) The urine sample is first tested using the initial drug screening procedure. An initial positive test result shall not be considered conclusive; rather, it shall be classified as "confirmation pending." Notification of test results to the Professional Standards Division or other departmental designee shall be held until the confirmation test results are obtained.

ARTICLE 40
UNIT DUTIES

40.1 UNIT JOB DUTIES. Except for Patrol Sergeants, non-supervisory job duties shall be assigned only to members of the Bargaining Unit. Ranks excluded from the Bargaining Unit are so excluded because the primary nature of their positions is to supervise personnel of the department, and accordingly they shall not be assigned to perform non-supervisory duties as part of their normal and usual job duties; provided that this restriction shall in no way restrict such personnel in taking any and all police action, or performing police duties and functions in relation to situations, events or circumstances encountered or observed by such officers in the course of the performance of their supervisory duties (for example, a supervisor would not work radar or patrol for traffic violators, but would be expected to apprehend or arrest traffic violators who are observed by the supervisor while performing the duties of supervision of personnel).

SCHEDULE A

WAGE SCHEDULE

Increases effective the first day of the payroll period in which the effective date occurs

Step	Classification		July 1, 2016 Varies	July 1, 2017 2.0%	Jan. 1, 2018 2.25%	Jan. 1, 2019 2.25%
1	New Hire	*Hourly*	$26.00	$26.52	$27.12	$27.73
		Bi-Weekly	$1,964.50	$2,003.79	$2,048.88	$2,094.97
2	After 1 Year	*Hourly*	$26.75	$27.29	$27.90	$28.53
		Bi-Weekly	$2,021.17	$2,061.59	$2,107.98	$2,155.41
3	After 2 Years	*Hourly*	$29.11	$29.69	$30.36	$31.04
		Bi-Weekly	$2,199.18	$2,243.17	$2,293.64	$2,345.24
4	After 3 Years Top Patrol	*Hourly*	$31.98	$32.62	$33.36	$34.11
		Bi-Weekly	$2,416.56	$2,464.89	$2,520.35	$2,577.06
5	After 6 Years Advanced Patrol Officer	*Hourly*	$32.67	$33.32	$34.07	$34.84
		Bi-Weekly	$2,468.13	$2,517.49	$2,574.14	$2,632.05
6	After 7 Years Advanced Patrol Officer	*Hourly*	$32.73	$33.38	$34.13	$34.90
		Bi-Weekly	$2,472.89	$2,522.35	$2,579.10	$2,637.13
7	After 10 Years Specialist	*Hourly*	$34.26	$34.94	$35.73	$36.53
		Bi-Weekly	$2,588.43	$2,640.19	$2,699.60	$2,760.34
8	After 15 Years Specialist II	*Hourly*	$36.67	$37.40	$38.25	$39.11
		Bi-Weekly	$2,770.73	$2,826.15	$2,889.73	$2,954.75
N/A	Patrol Sergeant	*Hourly*	$37.92	$38.65	$39.50	$40.36
		Bi-Weekly	$2,865.15	$2,920.30	$2,984.53	$3,049.51

A) The City has the discretion to hire new employees above Step 1, as long as the employee has the equivalent amount of experience from another jurisdiction. Such employees shall then advance according to the pay schedule.

B) Temporary Assignment Pay. Whenever an officer is assigned to perform the duties of a higher-ranking officer for a period of one complete shift or more, s/he shall be compensated at the rate of pay of the higher ranked officer. Patrol Sergeants will receive step 1 of Lieutenant rate of pay when the Sergeants working a minimum of 45 minutes in a capacity of a higher rank will receive one (1) hour of step 1 Lieutenant pay, time for time after one hour and anything less than 45 minutes would not receive Lieutenant pay.

C) SPECIALIST ADD-ON. Specialists I & II assigned to Detectives shall receive an $80 per month premium, which shall become a part of their base salary while assigned to detectives.

D) A Patrol Sergeant will be compensated at the Step 1 rate of the Lieutenant pay schedule on a time for time basis when filling in as the Shift Commander, except a Patrol Sergeant will not receive Lieutenant pay when filling in for a de minimus period of time such as rest and lunch breaks.

D) Advancement to the Patrol Sergeant classification is not automatic and will occur in accordance with the selection process under 7.2.3.c (D) of this Agreement.

GENERAL ORDINANCE NO. 09-22

AN ORDINANCE
AMENDING SECTION 2-288,
GREEN BAY MUNICIPAL CODE,
RELATING TO ELECTION OFFICIALS

THE COMMON COUNCIL OF THE CITY OF GREEN BAY DOES ORDAIN AS FOLLOWS:

SECTION 1. Section 2-288, Green Bay Municipal Code, is hereby amended to read:

2-288. Election Officials.

(a) *Number.* ~~At every election there shall be in each City polling places three inspectors and two clerks unless the Council, by resolution passed not less than 60 days prior to any election, increases the number of election officials, as provided by law.~~ **There shall be five (5) inspectors at each polling place within the City at every election unless, prior to the election, the Council passes a resolution increasing or decreasing the number of election officials in accordance with state statutes.**

(b) *Compensation.* ~~Compensation shall be allowed for~~ **Election officials shall be compensated for service at** all elections.

(c) *Appointment of ~~alternative~~ **alternate** election officials.* The City Clerk shall ~~have the discretion to hire election officials to work less than a full day on the day of the election.~~ **appoint a sufficient number of alternate election officials to maintain adequate staffing of polling places.**

(d) *Shifts.*

(1) There may be two (2) shifts for inspectors on election days. The first shall commence at 6:30 a.m. and end at 1:30 p.m. The second shift shall commence at 1:30 p.m. and end with completion of all required election day duties that follow the closure of the polls.

(2) At the discretion of the Clerk, there may be three (3) shifts for inspectors for certain elections. The first shift shall commence at 6:30 a.m. and end at 11:30 a.m. The second shift shall commence at 11:30 a.m. and end at 4:00 p.m. The third shift shall commence at 4:00 p.m. and end with completion of all required election day duties that follow the closure of the polls.

SECTION 2. All ordinances or parts of ordinances in conflict herewith are hereby repealed.

SECTION 3. Effective date. This ordinance shall take effect on and after its passage and publication.

Dated at Green Bay, Wisconsin, this _____day of _____, 2022.

APPROVED:

_____
Mayor

ATTEST:

_____
Clerk

ljm

3/15/2022

Detail Summary of Projects Issued

2/1/2022 to 2/28/2022

Proj #	Address	Owner	Applicant	Fees Paid	Estimated $	Status
107579	3575 BLACK SHEEP WAY..21-8386	BAY SETTLEMENT INVESTMENTS LLC		$1,266.71	$300,000.00	Pending
[1-101 - Residential - New - Single Family House] NEW SINGLE FAMILY HOME - ONE STORY ATTACHED GARAGE EC Approved 2/1/22						
107614	3442 PAULA ST..22-2190	H L & H LLC		$1,186.46	$186,500.00	Pending
[1-101 - Residential - New - Single Family House] NEW SINGLE FAMILY HOUSE WITH ATTACHED GARAGE						
104947	3526 BLACKWOLF RUN..22-1855	JENNIFER L & GREG A BASTIEN		$100.00	$8,000.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] Need Variance						
107272	1132 14th AV..1-1466	SCOTT A WINKLER		$255.00	$1.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] ADDITION						
107595	334 CHARITY LN..21-7746	AMANDA A DEGRAND		$255.00	$48,000.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] Already finished basement, walls, flooring, add bathroom, additional lighting and outlets.						
107622	908 MARSHALL AV..18-344	AMY L PENKIVICH		$225.00	$130,000.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] REMODEL						
107625	128 S LOCUST ST..6-261-H	SOMPHUD MANYVONG		$50.00	$5,000.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] EGRESS WINDOW						
107626	2833 CASTLE HILL LN..21-5036	HARVEY L WHITE		$205.00	$26,593.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] BATHROOM REMODEL						
107627	2655 EAST SHORE DR..21-1110-6	MICHAEL J & MARIANNE C FECHTER		$206.00	$62,000.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] REMODEL						
107643	1368 CHERRY ST..14-142	RULE INVESTMENTS LLC		$205.00	$30,000.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] REMODEL						
107656	406 N ASHLAND AV..5-1044-A	MB HOMES LLC		$50.00	$10,000.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] Cosmetic remodeling						
107658	1265 9th ST..1-429	AUSTIN SINCLAIR PROPERTIES LLC		$200.00	$30,000.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] Siding, Replacing windows, Exterior Doors, Electrical, Plumbing, Flooring						
107660	515 PINE TERR..6-2507	KIMBERLY S & BRIAN J WISMER		$50.00	$5,800.00	Closed
[2-434 - Residential - Alteration - 1 -2 Family House] EGRESS WINDOW						
107669	1083 KENWOOD ST..1-2641	JAMES S SCHUELER, ETAL		$50.00	$15,070.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] INSTALL EGRESS WINDOW AND 70' OF DRY RIGHT WATER CONTROL						
107707	1444 KURTZ AV..17-1103	4 13 PROPERTIES LLC		$80.00	$26,500.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] Remodel						

107717	3436 INDIGO BLUFF DR..21-8311	ROBERTS BRIAN G & PATRICIA M REVOCABLE TRUST	$255.00	$25,000.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] BASEMENT REMODEL					
107735	617 NIGHT CT..6H-3838	STEPHANIE E & NICHOLAS J BRUNETTE	$175.00	$25,000.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] KITCHEN REMODEL					
107738	3343 IRIS CT..21-44-7	RENEE R & JEFFREY W BOWERS	$255.00	$30,000.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] BASEMENT FINISH					
107739	1300 S CHESTNUT AV..1-903	CHERYL M & KENNETH R PIONTEK	$150.00	$14,300.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] BATH REMODEL					
107785	2130 SHAMROCK LN..6H-1672	ASHLEY A & TYLER J MATTEK	$175.00	$20,000.00	Pending
[2-434 - Residential - Alteration - 1 -2 Family House] BASEMENT FINISH					
106884	907 KELLOGG ST..5-1385	YVETTE T & NEIL J D JENKINS	$150.00	$1,300.00	Pending
[7-1 - Deck, Porch, Patio, Ramp (Residential)] Repair / Peplace Deck / Stair to be up to code					
107621	2016 FERN LN..21-2475-D-14	WEBSTER PROPERTIES LLC	$100.00	$18,000.00	Pending
[7-1 - Deck, Porch, Patio, Ramp (Residential)] 12 X 16 WOOD DECK					
107641	1070 LANGLADE AV..1-1595	LORI A & BRADLEY A CURTIS	$50.00	$1,000.00	Withdrawn
[7-1 - Deck, Porch, Patio, Ramp (Residential)] REMOVE STAIRS AND REPLACE DECK - Withdrawn - see notes					
107648	433 MEADOW WIND DR..21-7180	KELLY G & MICHELLE M WATZKA	$100.00	$27,000.00	Pending
[7-1 - Deck, Porch, Patio, Ramp (Residential)] DECK ADDITION					
107746	114 BURGUNDY CT..21-6671-29	JENNIFER & JERRAD HENDRIKSON	$100.00	$40,000.00	Pending
[7-1 - Deck, Porch, Patio, Ramp (Residential)] DECK					
107654	533 S QUINCY ST..14-534	MARVIN DE LA ROSA	$50.00	$5,000.00	Pending
[9-649 - Demolition - Interior (Residential)] DEMO 1ST FLOOR DUE TO FIRE					
107691	1344 DOTY ST..14-1414	LINDA E FIGUEROA	$175.00	$20,000.00	Pending
[9-645 - Raze - Building or Structure (Residential)] DEMO OF HOUSE AND GARAGE					
107209	515 CASS ST..15-146	IMPACT VENTURES LLC	$105.00	$25,400.00	Pending
[11-1 - Foundation Repair (Residential)] FOUNDATION REBUILD APPROX 75 FT. WITH NEW FITTERS FOR WEST, SOUTH & NORTH WALLS. NEEDS COA TO ISSUE 1/20/22					
107584	1070 LANGLADE AV..1-1595	LORI A & BRADLEY A CURTIS	$50.00	$10,870.00	Closed
[11-1 - Foundation Repair (Residential)] FOUNDATION REPAIR					
107598	1514 FARLIN AV..19-34-A	JAMES N HOGENSON	$150.00	$25,000.00	Pending
[11-1 - Garage/Carport/Shed (residential)] GARAGE					
107599	915 CHANTEL ST..6-2078	JANICE M HORN	$50.00	$8,900.00	Pending
[11-1 - Foundation Repair (Residential)] FOUNDATION REPAIR					
107602	3173 FINGER RD..21-5450	KAREN D & RUSSELL J BURICH	$50.00	$4,300.00	Pending
[11-1 - Garage/Carport/Shed (residential)] 8' X 15' POLYCARBONATE SHED ON A CEMENT SLAB					
107604	1541 7th ST..6-517	JANE JUZA	$50.00	$5,000.00	Pending
[11-1 - Garage/Carport/Shed (residential)] GARAGE ROOF AND FRONT REPAIR					

107608 1313 DELRAY DR..6H-1831 — GROVER F NELSON, ETAL — $250.00 — $580,000.00 — Pending

[11-1 - Swimming Pool (Residential)] 16X40 INGROUND SWIMMING POOL AND CONCRETE POOL DECK
EC FINAL

107616 1608 BEAUCHAMP ST..1-2527 — DONNY J & JENNIFER A KENSMOE — $50.00 — $1,500.00 — Pending

[11-1 - Garage/Carport/Shed (residential)] SHED

107639 1001 LINCOLN ST..18-109 — ADAM & KIMBERLY WASIELEWSKI — $50.00 — $15,000.00 — Pending

[11-1 - Foundation Repair (Residential)] FOUNDATION REPAIR

107661 1608 BEAUCHAMP ST..1-2527 — DONNY J & JENNIFER A KENSMOE — $250.00 — $45,000.00 — Pending

[11-1 - Swimming Pool (Residential)] INSTALL 30x14x15 INGROUND SWIMMIMG POOL & CONCRETE POOL DECK
EC COMPLETE

107675 826 10th AV..2-461 — TZIVYA & STEPHANIE JUDITH GREEN — $50.00 — $9,000.00 — Pending

[11-1 - Fence (Residential)] 6' WOOD PRIVACY FENCE

107680 817 S ASHLAND AV..2-256 — SHELBY K & RYAN D WOLLER — $50.00 — $9,747.00 — Pending

[11-1 - Fence (Residential)] 4' VINYL FENCE

107683 1010 CHANTEL ST..6-2059 — KRISTIN L & SHAWN J HAUSER — $50.00 — $7,100.00 — Pending

[11-1 - Fence (Residential)] 6' VINYL FENCE

107694 2538 HEATHER RD..21-4284 — MARGARET R & MICHAEL J RADTKE — $50.00 — $5,665.00 — Pending

[11-1 - Foundation Repair (Residential)] FOUNDATION REPAIR

107708 521 ROY AV..5-786 — BENJAMIN & SYDNEY MOLTER — $50.00 — $12,000.00 — Pending

[11-1 - Foundation Repair (Residential)] FOUNDATION REPAIR

107720 2740 OLD COACH RD..21-4766 — LYNN M & JAMES B LAFRENIERE — $50.00 — $10,000.00 — Closed

[11-1 - Fence (Residential)] 6 FT VINYL FENCE

107753 1668 WESTFIELD AV..6-1244 — WAYNE P & JEAN P CANNON — $50.00 — $5,580.25 — Pending

[11-1 - Fence (Residential)] 32' OF 6' HIGH VINYL AND 30' OF 3' HIGH VINYL IN FRONT

104663 700 E WALNUT ST..14-333 — ST JOHN THE EVANGELIST HOMELESS SHELTER INC — $4,112.34 — $750,000.00 — Pending

[30-434 - Commercial - Alteration - Multi-Family of 3 or more units] REMODEL - Basement/1st FLR

107310 604 5th ST..2-240 — SHIPYARD GROUP LLC — $190.00 — $1,500.00 — Pending

[30-434 - Commercial - Alteration - Multi-Family of 3 or more units] REMODEL

106681 2354 E MASON ST ..21-126-7 — GB EAST TOWN LLC — $2,724.36 — $1,300,000.00 — Pending

[31-324 - Commercial - New - Office, Bank, Professional (offices, professional buildings, administration buildings, financial institutions, medical office buildings)]
EC APPROVED 12/28/21
MOVE TO NEW PARCEL AND ADDRESS LETTER WHEN DONE
$5000 SWB
GOUND WORK FOOTINGS AND FOUNDATION ONLY AT THIS TIME

106683 2410 E MASON ST..21-126-9-1 — 2410 EAST MASON LLC — $1,410.68 — $280,000.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] TENANT BUILDOUT - COUSINS

107076 3225 FINGER RD..21-39-2 — FINGER ROAD LLC — $1,189.07 — $179,107.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] FINISHING ADDITIONAL SALON AREA

107083 1265 LOMBARDI AV..1-1841-A — GREEN BAY CITY OF LAMBEAU FIELD — $68,550.79 — $58,000,000.00 — Pending

[31-437 - Commercial - Addition - Non-Residence, Non-housekeeping] New Team Facility Addition
EC APPROVAL 1/10/22
NO PLUMBING WORK UNTIL PLANS ARE APPROVED. - PaulVC 2/18/2022

107114 704 S WEBSTER AV..14-824-9 — BELLIN MEMORIAL HOSPITAL INC — $798.41 — $90,000.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] 6th FLR RECEPTION & LOBBY

107265 400 S WASHINGTON ST..13-185 — WASHINGTON ST DEPOT LLC — $1,260.50 — $470,601.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] 1ST & 2ND FLR ALTERATIONS

107270 1616 W MASON ST, SUITE C..6-149 — NEUFELD ENTERPRISES II LLC — $7,090.29 — $1,800,000.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] PETCO BUILDOUT

107318 1616 W MASON ST, SUITE C..6-149 — NEUFELD ENTERPRISES II LLC — $610.00 — $80,000.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] LOADING DOCK ADDITION

107319 2740 W MASON ST..6H-1752 — NORTHEAST WISCONSIN TECHNICAL COLLEGE — $2,074.21 — $300,000.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] HS BLDG LOWER LEVEL OFFICES

107352 701 BAY BEACH RD..20-689-C — MCDONALD LUMBER CO INC — $540.00 — $80,000.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] LOADING DOCK DOORS

107353 520 N BROADWAY , Unit: SUITE 370..5-1757 — DDL HOLDINGS LLC — $1,565.86 — $125,000.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] SUITE 370 ALTERATIONS

107547 1616 W MASON ST, SUITE A..6-149 — NEUFELD ENTERPRISES II LLC — $540.00 — $2,000.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] EGRESS DOORS - BURLINGTON COAT

107620 1036 9th ST..1-134 — TOMAR APARTMENTS LLC — $70.00 — $500.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] FIRE REPAIR

107713 744 S WEBSTER AV..14-825 — BELLIN MEMORIAL HOSPITAL — $6,382.75 — $7,000,000.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] 7TH FLR - NEW PATIENTS ROOMS

107795 520 N BROADWAY , Unit: SUITE 130..5-1757 — DDL HOLDINGS LLC — $1,885.96 — $60,000.00 — Pending

[31-434 - Commercial - Alteration - Non-Residence, Non-Housekeeping] TENANT BUILDOUT

103506 1210 GUNS RD..21-462-1 — GREEN BAY AREA PUBLIC SCHOOL DISTRICT — $235.00 — $160,059.75 — Closed

[34-1 - Parking Lot - New & Reconstruction (Commerical)] EC APPROVED 4/5/21
No plumbing Requirements
NEED PRECON SHEET SIGNED

107064 1011 TONY CANADEO RUN..1-1841-K — MCR GREEN BAY LLC — $70.00 — $6,250.00 — Closed

[34-328 - Shed, Yard Building (Commercial)] SHED
CUP APPROVED PER SH

107582 1660 CHRISTIANA ST..6-374 — HOUSE OF HOPE GREEN BAY INC — $70.00 — $130,204.00 — Pending

[34-1 - Window, Door - Replacement (Commercial)] REPLACE WINDOWS

107583 1919 S BROADWAY..1-1407 — GEORGIA PACIFIC CONSUMER PRODUCTS LP — $290.00 — $5,300,000.00 — Pending

[34-649 - Raze- Building or Structure (Commercial)] EC APPROVAL 2/9/22

107609 1210 GUNS RD..21-462-1 — GREEN BAY AREA PUBLIC SCHOOL DISTRICT — $70.00 — $131,920.00 — Pending

[34-1 - Roofing (Commercial)] REPLACE EXISTING ROOF MEMBRANE IN A GUTTER AT THE AUXILLARY SERVICE BUILDING - 1000 SF

107684 1239 W MASON ST..2-55 — T & D REAL ESTATE VENTURES LLC — $70.00 — $7,000.00 — Pending

[34-1 - Fence (Commercial)] FENCE

107692 1919 S BROADWAY..1-1407 — GEORGIA PACIFIC CONSUMER PRODUCTS LP — $170.00 — $2,500,000.00 — Pending

[34-1 - Roofing (Commercial)] ROOF REPPLACE BLDG 11

107721 975-999 LOMBARDI AV..1-1841-C — F F LLC — $70.00 — $13,200.00 — Pending

[34-649 - Demolition - Interior (Commercial)] OFFICE SPACE DEMO future build out

107740 2593T HAZELWOOD LN ..6H-1247-4 — BGC PROPERTIES LLC — $140.00 — $16,000.00 — Pending

[34-1 - Z - Misc Project Not Listed (Commercial)] TDS METROCOM PROJECT - CABINET 0913BA

107741 399T S MILITARY AV ..6-134 — ALDI INC — $140.00 — $16,000.00 — Pending

[34-1 - Z - Misc Project Not Listed (Commercial)] TDS METROCOM PROJECT 0913EA - CABINET

107742 934T W MASON ST ..2-653 — SADLER SEWER & DRAIN CLEANING INCORP — $140.00 — $16,000.00 — Pending

[34-1 - Z - Misc Project Not Listed (Commercial)] TDS METROCOM - CABINET 0913HA

107743 2111T E MASON ST ..21-822-20 — AGUSTIN J LOZA — $140.00 — $16,000.00 — Pending

[34-1 - Z - Misc Project Not Listed (Commercial)] TDS METROCOM - CABINET 0913QA

107744 651T CHALLENGER DR ..21-6968 — RONALD J & SHERYL A DELFOSSE — $140.00 — $16,000.00 — Pending

[34-1 - Z - Misc Project Not Listed (Commercial)] TDS METROCOM - CABINET 0913UA

107745 707T LINCOLN ST ..18-142 — GREEN BAY CITY OF — $140.00 — $16,000.00 — Pending

[34-1 - Z - Misc Project Not Listed (Commercial)] TDS METROCOM PROJECT - CABINET 0913FA

107751 1919 S BROADWAY..1-1407 — GEORGIA PACIFIC CONSUMER PRODUCTS LP — $70.00 — $71,000.00 — Pending

[34-1 - Roofing (Commercial)] REPLACE ROOF BLDG 90

107754 516 CLEMENT ST ..21-1254-A — DENNISONS INVESTMENTS LLC — $70.00 — $750.00 — Pending

[34-1 - Z - Misc Project Not Listed (Commercial)] FIRE REPAIR - UTILITY GARAGE (520 CLEMENT - Complaint # 119373)

107758 408 DOUSMAN ST..5-594 — BRITTANY J PAULSEN — $70.00 — $32,800.00 — Pending

[34-1 - Roofing (Commercial)] RE-ROOF INSTALL 38 SQUARES OF FIBERTITE ON BUILDING COMPLEX

107772 234 S WASHINGTON ST..13-2 — HARP & EAGLE LTD — $140.00 — $5,508.00 — Pending

[34-1 - Temporary Office/Trailer/Event (Commercial)] TENT FOR ST. PATRICKS DAY

107774 1010T EASTMAN AV ..7-333 — TBC INVESTMENTS LLC — $140.00 — $16,000.00 — Pending

[34-1 - Z - Misc Project Not Listed (Commercial)] TDS METROCOM - CABINET 0913LA

105183 874 DIVISION ST..5-1412 — ROSE & SONS LLC — $50.00 — $1,000.00 — Pending

[40-1 - Electrical Wiring (Misc., Alteration, Repair) (Residential)] REWIRE ENTIRE HOUSE

107611 893-895 CAMM PL..3-28 — MOBETA LLC — $50.00 — $500.00 — Closed

[40-1 - Electrical Service - Repair (Residential)] SERVICE REPAIR - GUTTER FELL KNOCKING SERVICE OFF HOUSE

107634 1369 ST. CLAIR ST..14-44 — SMR PROPERTY LLC — $50.00 — $2,000.00 — Closed

[40-1 - Electrical Service - Change (Residential)] SERVICE CHANGE FROM 60 AMP TO 100 AMPS

107637 835 REDWOOD DR..2-1130 — JOHN L & PAUL H PETERSON — $50.00 — $3,978.00 — Pending

[40-1 - Electrical Service - Change (Residential)] OH TO OH PANEL SWAP ONLY, 60A TO 100A UPGRADE. REPLACE DAMAGED POWER FEED TO GARAGE

107644 1608 BEAUCHAMP ST..1-2527 — DONNY J & JENNIFER A KENSMOE — $50.00 — $2,000.00 — Closed

[40-1 - Electrical Service - Change (Residential)] SERVICE UPGRADE 100 TO 200

107659 1831 SMITH ST..21-2170 — ROSEBUD REI LLC — $50.00 — $1,500.00 — Pending

[40-1 - Electrical Service - Change (Residential)] SERVICE CHANGE

107696 1787 DEBRA LN..21-820-M-24 — DIANE L FREDERICK — $50.00 — $2,000.00 — Pending

[40-1 - Electrical Service - Change (Residential)] SERVICE CHANGE - REPLACED SERVICE RISER, METER AND INTERIOR PANEL

107712 431-435 S QUINCY ST..14-508 | COVER RENTALS LLC | $70.00 | $2,500.00 | Closed

[40-1 - Electrical Service - Change (Commercial)] SERVICE UPGRADE

107723 2206 WHITE OAK TERR..6H-2116 | ISSAC C GEORGE | $50.00 | $1,200.00 | Pending

[40-1 - Electrical Service - Repair (Residential)] SERVICE REPAIR - REPLACING 100 AMP MAIN BREAKER AND INSTALLING LARGER 100 AMP MAIN BREAKER SERVICE PANEL

107724 1425 9th ST..6-541-B | CAROL J ANDERSEN | $50.00 | $1,500.00 | Pending

[40-1 - Electrical Service - Repair (Residential)] SERVICE UPGRADE - REMOVE 60 AMP FUSE SERVICE AND UPGRADE TO A 100 AMP MAIN BREAKER SERVICE

107727 400 N WASHINGTON ST..12-86 | SCHREIBER FOODS INC | $70.00 | $725.00 | Closed

[40-1 - Electrical Wiring (Misc., Alteration, Repair) (Commercial)] JOCKY PUMP CONTROLLER REPLACEMENT

107729 3624 ARCADIA BLUFF DR..22-2082 | KEITH A & JILL M BASSETT | $50.00 | $9,592.00 | Pending

[40-1 - Electrical Wiring (Misc., Alteration, Repair) (Residential)] GENERATOR INSTALL

107737 529 NEWTOLS ST..21-2678-M-18 | TAMMY POLACEK | $50.00 | $3,280.00 | Pending

[40-1 - Electrical Service - Repair (Residential)] REPLACE OVER CAPACITY ELECTRICAL PANEL, INSTALL NEW 100 AMP PANEL, REMOVE DOUBLE TAPS AND INSTALL ONTO SEPARATE BREAKERS; ADD 2ND GROUND ROD OUTSIDE; RE-ATTACH METERBASE, REPLACE WIRING FOR ELECTRIC RANGE, REPAIR HAZARDOUS WIRING IN GARAGE AND ADD GFI RECEPTACLE IN GARAGE

107755 1738 S ONEIDA ST..1-2679 | LISA R COREY | $50.00 | $2,180.00 | Closed

[40-1 - Electrical Service - Repair (Residential)] REPAIR HAZARDOUS WIRING IN BASEMENT; REMOVE DAMAGED RANGE WIRE AND INTALL NEW 4-WIRE RANGE WIRE AND RECEPTACLE. REMOVE EXISTING SERVICE PANEL AND INSTALL NEW 100 AMP PANEL WITH MAIN.

107764 820 S BAIRD ST..17-480 | NICHOLAS V FLORES, ETAL | $50.00 | $1,000.00 | Pending

[40-1 - Electrical Service - Change (Residential)] SERVICE UPGRADE FROM 100 AMP TO 200 AMP UNDERGROUND

107801 1354 HOLIDAY AV..6-1492 | KEITH SCHNEIDER | $50.00 | $2,875.00 | Pending

[40-1 - Electrical Service - Change (Residential)] SERVICE CHANGE - 100 AMP TO 200 AMP

107578 1247 VELP AV..18-168 | ALDOS PIZZA OF GREEN BAY LLC | $70.00 | $4,144.00 | Closed

[50-1 - Heating Unit Only (Commercial)] FURNACE

107612 404 STONEHEDGE RD..21-5000 | GARRETT & MADISON ARTHUR | $50.00 | $10,600.00 | Closed

[50-1 - Heating and Air Conditioning Units (Residential)] FURNACE AND AIR CONDITIONER

107613 1185 LIBERTY ST..1-2462 | KATHERINE DONLEVY | $50.00 | $4,700.00 | Closed

[50-1 - AC Unit Only (Residential)] AIR CONDITONER

107615 1443 ELIZA ST..17-716 | TARA M & BRANDON J RAVEN | $50.00 | $1,830.00 | Closed

[50-1 - Heating Unit Only (Residential)] FURNACE

107617 519 BLUEBIRD LN..6-1800 | JEFFREY & SARAH KUSSOW | $50.00 | $4,842.00 | Closed

[50-1 - Heating Unit Only (Residential)] FURNACE

107618 716 PINE ST..10-52 | CDMG LLP | $140.00 | $6,948.00 | Closed

[50-1 - Heating Unit Only (Commercial)] FURNACE - 2

107619 2404 SYCAMORE DR..21-4012 | KOS HATCHERIES LLP | $70.00 | $6,292.00 | Closed

[50-1 - Heating Unit Only (Commercial)] FURNACE

107623 1047 KELLOGG ST..5-744 | HELEN & JOSEPH KOELLER | $50.00 | $6,214.00 | Closed

[50-1 - Heating Unit Only (Residential)] FURNACE

107629 935 VELP AV..18-831 | SUNRISE INVESTMENT PROPERTIES LLC | $50.00 | $3,373.00 | Pending

[50-1 - Heating Unit Only (Residential)] FURNACE

107630 937 VELP AV..18-831 — SUNRISE INVESTMENT PROPERTIES LLC — $50.00 — $3,374.00 — Pending
[50-1 - Heating Unit Only (Residential)] FURNACE

107645 325 13th AV..3-844 — LISA A & JOHNNY J SCHNEIDER — $50.00 — $3,595.00 — Pending
[50-1 - Heating Unit Only (Residential)] A FURNACE

107646 1339 DAY ST..7-161 — JODY A & JAMES E DENIS — $50.00 — $10,518.40 — Pending
[50-1 - Heating and Air Conditioning Units (Residential)] A FURNACE AND AIR CONDITIONER

107647 815 N VAN BUREN ST..7-31 — RANDAL E RAGSDALE — $50.00 — $4,842.00 — Closed
[50-1 - Heating Unit Only (Residential)] A FURNACE

107652 3164 WINDLAND DR..21-5318 — SHUTTE JOINT REVOCABLE TRUST — $50.00 — $4,842.00 — Closed
[50-1 - Heating Unit Only (Residential)] A FURNACE

107653 1658 MASON WAY..21-1282-1 — JAMES A NORTON — $50.00 — $4,272.00 — Pending
[50-1 - Heating Unit Only (Residential)] FURNACE

107663 325 SUMAC DR..6H-2568 — BERNARDO J & KELLY A LACERA — $50.00 — $6,600.00 — Pending
[50-1 - Heating Unit Only (Residential)] A FURNACE

107677 1610 11th AV..1-1354 — JORDAN LEBICH — $50.00 — $9,000.00 — Pending
[50-1 - Heating and Air Conditioning Units (Residential)] AIR CONDITIONER & FURNACE

107681 2701 PARKWOOD DR..6H-3294 — AMY J & MATTHEW J ALBERS — $50.00 — $6,462.00 — Closed
[50-1 - Heating Unit Only (Residential)] A FURNACE

107685 2056 ANN LN..6H-2386 — TIMOTHY A & ADDIE M SORBO — $50.00 — $5,922.00 — Closed
[50-1 - Heating Unit Only (Residential)] FURNACE

107686 1828 HAROLD ST..21-2173-2 — FEDERAL HOME LOAN MORTGAGE CORPORATION — $50.00 — $3,730.00 — Pending
[50-1 - Heating Unit Only (Residential)] A FURNACE

107687 1960 PACKERLAND DR..6H-2000 — SEAN R & JENNIFER L JARVEY — $50.00 — $5,559.00 — Closed
[50-1 - Heating Unit Only (Residential)] FURNACE

107689 979 BOND ST..5-1292-A — LUECKE PROPERTIES LLC — $50.00 — $2,950.00 — Pending
[50-1 - Heating Unit Only (Residential)] A FURNACE

107690 519 16th AV..2-686 — STEVEN N LOOMIS — $50.00 — $6,650.00 — Closed
[50-1 - Heating Unit Only (Residential)] A FURNACE

107693 1627 FARLIN AV..19-551 — JOE LEE, ETAL — $50.00 — $4,375.00 — Pending
[50-1 - Heating Unit Only (Residential)] FURNACE

107697 2804 FINGER RD..21-148-2 — DANIEL J & PAMELA M VANDERLOOP — $50.00 — $7,710.00 — Pending
[50-1 - Heating Unit Only (Residential)] BOILER

107698 917 MT MARY DR..21-1111-D-80 — MICHAEL W & CHERYL J MURPHY — $50.00 — $5,841.00 — Pending
[50-1 - Heating Unit Only (Residential)] FURNACE

107699 320 S JACKSON ST..14-476 — HARTMAN PAUL A & ANN N REVOCABLE TRUST — $50.00 — $4,933.00 — Pending

[50-1 - Heating Unit Only (Residential)] FURNACE

107701 830 7th ST..1-471 — JACOB R CHAMBERS — $50.00 — $2,982.00 — Closed
[50-1 - Heating Unit Only (Residential)] FURNACE

107710 324 BRETCOE DR..21-1147-29 — REBECCA S HAYSPINAR, ETAL — $50.00 — $2,500.00 — Pending
[50-1 - Heating Unit Only (Residential)] A FURNACE

107711 300 DOUSMAN ST..5-584-3 — LUGA PROPERTIES LLC — $140.00 — $6,870.00 — Pending
[50-1 - Repair/Alter Existing HVAC System (Commercial)] REPLACE MINI-SPLIT/ INSTALL WIRING FOR AC

107714 2760 LAFAYETTE DR..6H-3337 — ALFRED G & DAWN M ROSE — $50.00 — $12,640.00 — Pending
[50-1 - Heating and Air Conditioning Units (Residential)] A FURNACE AND AIR CONDITIONER

107715 375 ELLORTINA CIR..21-4843 — ANGELA M & JASON R & GLORIA J DELFOSSE — $50.00 — $6,500.00 — Pending
[50-1 - Heating Unit Only (Residential)] A FURNACE

107716 3381 NAUTICAL AV..22-1486 — KYLE S & NICOLE M TOWNS — $50.00 — $6,925.00 — Pending
[50-1 - Heating Unit Only (Residential)] A FURNACE

107718 249 JACOB ST..21-1816 — PATRICIA BLOCH — $50.00 — $6,827.00 — Closed
[50-1 - Heating Unit Only (Residential)] FURNACE

107719 619 N ASHLAND AV..5-1121 — ERVEN T TASSOUL — $50.00 — $2,000.00 — Pending
[50-1 - Heating Unit Only (Residential)] FURNACE

107728 3336 IRIS CT..21-44-2-2 — CATHERINE V & LISA M OLEARY — $50.00 — $5,229.00 — Pending
[50-1 - Heating Unit Only (Residential)] A FURNACE

107736 409 N ASHLAND AV..5-1067 — D JONES PROPERTIES LLC — $50.00 — $2,650.00 — Pending
[50-1 - Heating Unit Only (Residential)] A FURNACE AND SPACE HEATER

107760 313 LAU ST..21-2348 — LIAT KRUSH — $50.00 — $3,985.00 — Pending
[50-1 - Heating Unit Only (Residential)] A FURNACE

107777 1008 SHEA AV..18-78 — SCOTT H LESAGE — $50.00 — $5,828.00 — Pending
[50-1 - Heating Unit Only (Residential)] A FURNACE

107786 3430 BAY HIGHLANDS DR..21-5510 — STEVEN M & SANDRA L BADER — $50.00 — $10,500.00 — Pending
[50-1 - Heating Unit Only (Residential)] BOILER

107807 1400 N BAIRD ST..21-1198-6 — PERRY PARK PARTNERS ETAL — $50.00 — $4,411.00 — Pending
[50-1 - Heating Unit Only (Residential)] FURNACE - LOT # 16

107808 3086 SANDIA DR..6H-3004 — DAWN D & TIMOTHY G SCHWARTZ — $50.00 — $10,090.00 — Pending
[50-1 - Heating and Air Conditioning Units (Residential)] FURNACE & AIR CONDITIONER

107811 1541-1543 CASS ST..8-461 — KAYLA K SCHLAGEL — $50.00 — $4,709.00 — Pending
[50-1 - Heating Unit Only (Residential)] FURNACE

107812 3145 BETH DR..21-7243 — RANDALL F PICHETTE — $50.00 — $8,040.00 — Pending
[50-1 - Heating and Air Conditioning Units (Residential)] FURNACE & AIR CONDITIONER

107600 3610 COLLEGIATE WAY..21-7283 — ELIZABETH E BAUER — $50.00 — $3,000.00 — Pending
[60-1 - Repair/Alter Existing Plumbing System (Residential)] INSTALL SUMP PUMP

107624 745 S HURON RD..21-169-3 EASTERN HORIZONS LLC $70.00 $1,400.00 Closed
[60-1 - Water Heater (Commercial)] WATER HEATER

107628 3473 HIGHLAND CENTER DR..21-8096 PATRICIA A & PETER F WARMENHOVEN $100.00 $7,100.00 Pending
[60-1 - Repair/Alter Existing Plumbing System (Residential)] PLUMBING & ELECTRICAL UPDATES

107631 1196 ROSCOE ST..1-418-B MARY J CULVER $50.00 $11,500.00 Closed
[60-1 - Repair/Alter Existing Plumbing System (Residential)] TUB TO SHOWER CONVERSION INCLUDING MIXING VALVE AND TRAP

107635 1698 MAIN ST..21-2112 SCJ PROPERTIES LLC $70.00 $900.00 Closed
[60-1 - Repair/Alter Existing Plumbing System (Commercial)] INSTALL 1 (3 COMPARTMENT) SINK STAND ALONE PROJECT PER CONTRACTOR

107670 1740 S LOCUST ST..6-2931 TONI L & RICKY J VANLIESHOUT $50.00 $14,492.00 Closed
[60-1 - Repair/Alter Existing Plumbing System (Residential)] TUB TO SHOWER CONVERSION INCLUDING MIXING VALVE AND TRAP

107671 1100 RADISSON ST..20-452-2 GWTGB LLC $70.00 $4,000.00 Closed
[60-1 - Repair/Alter Existing Plumbing System (Commercial)] INSTALL 3 SINKS

107676 201 S BROADWAY..3-314 201 BUILDING LLC $70.00 $4,400.00 Pending
[60-1 - Water Heater (Commercial)] TANKLESS WATER HEATER

107678 2030 E MASON ST, SUITE H&I ..21-1361 IPANEMA GREEN BAY LLC $70.00 $500.00 Closed
[60-1 - Water Heater (Commercial)] REPLACE TANKLESS WATER HEATER

107679 1610 11th AV..1-1354 JORDAN LEBICH $30.00 $4,000.00 Pending
[60-1 - Water Heater (Residential)] WATER HEATER REPLACEMENT

107682 2717 HUMBOLDT RD..21-1236-1 BRZEZINSKI PROPERTIES V LLC $70.00 $4,200.00 Closed
[60-1 - Water Heater (Commercial)] REPLACE 2 WATER HEATERS

107688 730 BODART ST..10-6 NEIGHBORHOOD HOUSING SERVICES OF GREEN BAY INC $30.00 $4,000.00 Closed
[60-1 - Repair/Alter Existing Plumbing System (Commercial)] REPAIR WORK TO SANITARY SERVICE

107700 900 KEPLER DR..21-153 & B & G REALTY LLC $70.00 $10,000.00 Closed
[60-1 - Water Heater (Commercial)] WATER HEATER

107730 1234-01 MAIN ST..8-843 URBAN CONCEPTS LLC $70.00 $6,450.00 Pending
[60-1 - Repair/Alter Existing Plumbing System (Commercial)] INSTALLING 2 HANDWASH SINKS

107766 1613 BOND CT..6-1366 YOUA L & TOU LEE YANG $50.00 $5,548.00 Pending
[60-1 - Repair/Alter Existing Plumbing System (Residential)] REPLACE MIXER VALVE

107767 1815-1817 PACKERLAND DR..6H-2205 GERTRUDE G HUNT $50.00 $8,516.00 Pending
[60-1 - Repair/Alter Existing Plumbing System (Residential)] TUB TO SHOWER CONVERSION AND REPLACE MIXER VALVE

107768 1000 CORNELIUS DR..21-1111-D-259 PAMELA A & CHRISTOPHER G CLOUGH $50.00 $14,186.00 Pending
[60-1 - Repair/Alter Existing Plumbing System (Residential)] REPLACE SHOWER AND MIXER VALVE

107779 117 N ADAMS ST..12-116 GIOCOR57 LLC $30.00 $5,350.00 Pending
[60-1 - Water Service - Connection/Repair (Commercial)] WATER SERVICE REPLACEMENT

107780 806 11th AV..2-487 TODD GRIEBELER $30.00 $3,650.00 Pending
[60-1 - Water Service - Connection/Repair (Residential)] WATER SERVICE REPLACEMENT

107781 1346 HARVEY ST..8-573 ISABELLA & MICHAEL K BRICE $30.00 $4,850.00 Pending

[60-1 - Water Service - Connection/Repair (Residential)] WATER SERVICE REPLACEMENT

107782 1156 GRIGNON ST..17-204 — LARRY J & MARY B LEMENS — $30.00 — $4,150.00 — Closed
[60-1 - Water Service - Connection/Repair (Residential)] WATER SERVICE REPLACEMENT

107783 1036 S CLAY ST..17-38 — KATHLEEN M PICHETTE — $30.00 — $5,050.00 — Pending
[60-1 - Water Service - Connection/Repair (Residential)] WATER SERVICE REPLACEMENT

107784 801 S ASHLAND AV..2-252 — MARQ INVESTMENTS LLC — $30.00 — $4,500.00 — Pending
[60-1 - Water Service - Connection/Repair (Residential)] WATER SERVICE REPLACEMENT

107800 1151 EMILIE ST..17-151 — JOHN L & DONNA L KING JOINT REVOCABLE TRUST — $30.00 — $4,150.00 — Closed
[60-1 - Water Service - Connection/Repair (Residential)] WATER SERVICE REPLACEMENT

107804 1112 GOODELL ST..17-631-B — KELLY & JACOB YORKSON — $30.00 — $1,500.00 — Pending
[60-1 - Water Heater (Residential)] WATER HEATER REPLACEMENT

107806 2627 SHORE RIDGE CT..22-1626 — SCHMECHEL DONALD W & NANCY Y REVOCABLE TRUST — $30.00 — $4,250.00 — Pending
[60-1 - Water Service - Connection/Repair (Residential)] REPAIR WATER SERVICE

107316 1195 W MASON ST..2-53-A — WALLACE MICHAEL J REVOCABLE LIVING TRUST — $131.30 — $400.00 — Pending
[70-1 - Signs - Permanent] WALL SIGNS

107601 2400 E MASON ST..21-126-9 — 2400 EAST MASON LLC — $233.96 — $7,500.00 — Pending
[70-1 - Signs - Permanent] SIGN

107638 2253 MAIN ST..21-127-5 — BROWN COUNTY — $89.60 — $1,000.00 — Pending
[70-1 - Signs - Permanent] Ground Mounted Monument Sign

107642 2030 E MASON ST, SUITE G ..21-1361 — IPANEMA GREEN BAY LLC — $96.00 — $7,000.00 — Pending
[70-1 - Signs - Permanent] Wall Sign

107674 2949 VOYAGER DR..21-147-4 — S&L PROPERTIES GREEN BAY LLC — $84.50 — $17,000.00 — Pending
[70-1 - Signs - Permanent] Changing out readerboard to EMC

107705 1218 S MILITARY AV..6-1767 — VANDERLEEST INC — $89.00 — $3,450.00 — Pending
[70-1 - Signs - Permanent] New Wall Sign

107706 317 W WALNUT ST..3-110 — ZEISE MARITAL TRUST — $138.28 — $8,000.00 — Pending
[70-1 - Signs - Permanent]

Totals: 173 projects — $116,307.03 — $81,356,152.40

Summary of Projects Issued

2/1/2022 to 2/28/2022

Class of Work	Proj	Site	Plan	Bldg	Elec	HVAC	Plbg	EC	Fees Paid	Estimated Cost
1 Residential - New - Single Family House	2	2	4	2	2	2	2	2	$2,453.17	$486,500.00
2 Residential - Alteration - 1 -2 Family House	18	0	10	18	12	7	11	0	$2,941.00	$511,264.00
7 Deck, Porch, Patio, Ramp (Residential)	5	3	4	5	0	0	0	0	$500.00	$87,300.00
9 Demolition - Interior (Residential)	1	0	0	1	0	0	0	0	$50.00	$5,000.00
9 Raze - Building or Structure (Residential)	1	0	1	1	0	0	1	1	$175.00	$20,000.00
11 Fence (Residential)	5	0	0	5	0	0	0	0	$250.00	$41,427.25
11 Foundation Repair (Residential)	6	0	1	6	0	0	0	0	$355.00	$77,835.00
11 Garage/Carport/Shed (residential)	4	1	1	4	1	0	0	0	$300.00	$35,800.00
11 Swimming Pool (Residential)	2	2	2	2	2	2	0	2	$500.00	$625,000.00
30 Commercial - Alteration - Multi-Family of 3 or more units	2	1	3	2	2	1	1	0	$4,302.34	$751,500.00
31 Commercial - Addition - Non-Residence, Non-housekeeping	1	1	4	1	1	1	1	1	$68,550.79	$58,000,000.00
31 Commercial - Alteration - Non-Residence, Non-Housekeeping	13	0	19	13	12	10	7	0	$25,417.73	$10,467,208.00
31 Commercial - New - Office, Bank, Professional (offices, professional buildings, administration buildings, financial institutions, medical office buildings)	1	1	4	1	1	1	1	1	$2,724.36	$1,300,000.00
34 Demolition - Interior (Commercial)	1	0	0	1	0	0	0	0	$70.00	$13,200.00
34 Fence (Commercial)	1	0	0	1	0	0	0	0	$70.00	$7,000.00
34 Parking Lot - New & Reconstruction (Commerical)	1	1	1	1	0	0	0	1	$235.00	$160,059.75
34 Raze- Building or Structure (Commercial)	1	1	1	1	1	0	0	1	$290.00	$5,300,000.00
34 Roofing (Commercial)	4	0	0	4	0	0	0	0	$380.00	$2,735,720.00
34 Shed, Yard Building (Commercial)	1	0	0	1	0	0	0	0	$70.00	$6,250.00
34 Temporary Office/Trailer/Event (Commercial)	1	0	0	1	1	0	0	0	$140.00	$5,508.00
34 Window, Door - Replacement (Commercial)	1	0	0	1	0	0	0	0	$70.00	$130,204.00
34 Z - Misc Project Not Listed (Commercial)	8	0	0	8	7	0	0	0	$1,050.00	$112,750.00
40 Electrical Service - Change (Commercial)	1	0	0	0	1	0	0	0	$70.00	$2,500.00
40 Electrical Service - Change (Residential)	7	0	0	0	7	0	0	0	$350.00	$15,353.00
40 Electrical Service - Repair (Residential)	5	0	0	0	5	0	0	0	$250.00	$8,660.00
40 Electrical Wiring (Misc., Alteration, Repair) (Commercial)	1	0	0	0	1	0	0	0	$70.00	$725.00
40 Electrical Wiring (Misc., Alteration, Repair) (Residential)	2	0	0	0	2	0	0	0	$100.00	$10,592.00
50 AC Unit Only (Residential)	1	0	0	0	0	1	0	0	$50.00	$4,700.00
50 Heating and Air Conditioning Units (Residential)	6	0	0	0	0	6	0	0	$300.00	$60,888.40
50 Heating Unit Only (Commercial)	3	0	0	0	0	3	0	0	$280.00	$17,384.00
50 Heating Unit Only (Residential)	33	0	0	0	0	33	0	0	$1,650.00	$162,962.00
50 Repair/Alter Existing HVAC System (Commercial)	1	0	0	0	1	1	0	0	$140.00	$6,870.00
60 Repair/Alter Existing Plumbing System (Commercial)	4	0	0	0	0	0	4	0	$240.00	$15,350.00
60 Repair/Alter Existing Plumbing System (Residential)	7	0	0	0	1	0	7	0	$400.00	$64,342.00
60 Water Heater (Commercial)	5	0	0	0	0	0	5	0	$350.00	$20,500.00

60 Water Heater (Residential)	2	0	0	0	0	0	2	0	$60.00	$5,500.00
60 Water Service - Connection/Repair (Commercial)	1	0	0	0	0	0	1	0	$30.00	$5,350.00
60 Water Service - Connection/Repair (Residential)	7	0	0	0	0	0	7	0	$210.00	$30,600.00
70 Signs - Permanent	7	7	0	7	0	0	0	0	$862.64	$44,350.00
Totals:	173	20	55	87	60	68	50	9	$116,307.03	$81,356,152.40

STATE OF WISCONSIN
DEPARTMENT OF ADMINISTRATION
DIVISION OF EXECUTIVE BUDGET AND FINANCE
DOA-2778 (R03/2019)

STATE CONTROLLER'S OFFICE-CMO
101 E. WILSON STREET, 5th FL
PO BOX 7932
MADISON, WI 53707-7932
(608) 261-7749

MUNICIPAL COURT MONTHLY FINANCIAL REPORT

County Name	County Code Number	Report for Month/Year
Brown	05	February 2022
Municipal Name	**Municipal Code Number**	**Telephone Number**
Green Bay Municipal Court	231	920-448-3131

I. MUNICIPAL COURT OFFICIAL	Total Amount Collected	Share to be retained by Municipality	Share to be sent to County	Share to be sent to State
1. Forfeitures for Municipal Ordinance Violations (Except for Municipal Ordinances in Conformity with Ch 348,Stats.)	$ 66,446.19	$ 66,446.19		
Adjustment (if applicable)	$ .00	$ .00		
2. Municipal Court Costs (Chapter 814, Subchapter II, s. 814.65, Stats.)	$ 21,311.14	$ 18,481.05		$ 2,830.09
Adjustment (if applicable)	$ .00	$ .00		$ .00
3. Penalty Surcharges (s. 757.05, Stats.)	$ 16,115.96			$ 16,115.96
Adjustment (if applicable)	$ .00			$ .00
4. County Jail Surcharges (s. 302.46(1)(a), Stats.)	$ 5,645.75		$ 5,645.75	
Adjustment (if applicable)	$ .00		$ .00	
5. Driver Improvement Surcharges (s. 346.655, Stats.)	$ 9,129.00		$ 4,585.85	$ 4,543.15
Adjustment (if applicable)	$ .00		$ .00	$ .00
6. Crime Lab and Drug Enforcement Surcharges (s. 165.755(4), Stats.)	$ 7,254.43			$ 7,254.43
Adjustment (if applicable)	$ .00			$ .00
7. Domestic Abuse Surcharges (s. 973.055(2)(b), Stats.)	$ .00			$ .00
Adjustment (if applicable)	$ .00			$ .00
8. Truck Weight Restrictions (Municipal Ordinances in Conformity with Ch. 348, Stats., s. 66.12(3)(c))	$ .00	$ .00		$ .00
Adjustment (if applicable)	$ .00	$ .00		$ .00
9. Ignition Interlock Device Surcharge (s. 343.301(5), Stats.)	$ 850.00		$ 850.00	
Adjustment (if applicable)	$ .00		$ .00	
10. GPS Tracking Surcharge (for violations of ordinances conforming to s. 813.12 or s.813.125, Stats.)	$ .00			$ .00
Adjustment (if applicable)	$ .00			$ .00
11. Safe Ride Program (s. 85.55, Stats.)	$ 1,100.00			$ 1,100.00
Adjustment (if applicable)	$ .00			$ .00
12. Totals	$ 127,852.47	$ 84,927.24	$ 11,081.60	**Pay This Amount** $ 31,843.63

Continue onto the next page.

STATE OF WISCONSIN
DEPARTMENT OF ADMINISTRATION
DIVISION OF EXECUTIVE BUDGET AND FINANCE
DOA-2778 (R03/2019)

MUNICIPAL COURT MONTHLY FINANCIAL REPORT

STATE CONTROLLER'S OFFICE-CMO
101 E. WILSON STREET, 5th FL
PO BOX 7932
MADISON, WI 53707-7932
(608) 261-7749

II. CERTIFICATION OF MUNICIPAL COURT OFFICIAL

I hereby certify that this report reflects all actions requiring forfeitures, court costs and surcharges collected during the month designated.

Name: NEIL BASTEN Signature: [signature] Date: 3-1-2022

III. TREASURER'S CERTIFICATION

I hereby certify that the above amount due the state has been received. After so certifying, a copy of this report will be returned to the signer of this report as a receipt, and the stated amount will be remitted to the Department of Administration with this report.

Treasurer: [signature] Date: 3/3/22

In the event the Department of Administration has questions about this report and payment, who should we contact?

Name:	Telephone #	Email Address
Neil Basten	920-448-3131	neilba@greenbaywi.gov

RESOLUTION AUTHORIZING
CONDITIONAL USE PERMIT
1902 NORTH IRWIN AVENUE
(ZP 22-03)

March 15, 2022

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY, RESOLVED:

That, pursuant to Zoning Petition 22-03 and the recommendation of the Plan Commission on March 7, 2022, the City of Green Bay does authorize a Conditional Use Permit (CUP) for the reconstruction of an off-premise digital and static message billboard in a General Commercial (CI) district, 1902 North Irwin Avenue, submitted by Renee St. Laurent, Lamar Advertising, on behalf of TLC Properties/LAMA., property owner:

> ADDN TO GREEN BAY BY THE BUSINESS MENS ASSOC LOTS 24 & 25 BLK 97, 16,805 SQ FT
>
> Tax Parcel: 21-487

Said conditional-use permit shall be granted subject to:

a. A site plan and applicable permit applications are submitted to the Community and Economic Development Department (CEDD) for review and approval.
b. The sign permit application shall not be valid unless approved by the Director of Public Works or his/her designee (Traffic Engineer).
c. The Department of Public Works shall be provided with the means to turn off a digital billboard in the case of hazardous glare, interference with the visibility or effectiveness of a traffic signal or control, or other traffic hazard caused by the sign.
d. The owner of the sign shall maintain up-to-date contact information with the Department of Public Works. The contact information is to provide 24 hours per day, 7 days per week access to a person or persons that is/are available at all times to respond to a hazardous sign situation.
e. The proposed signage shall meet all of the requirements of Article III, Off-Premise Advertising, Green Bay Zoning Code.

Adopted _____

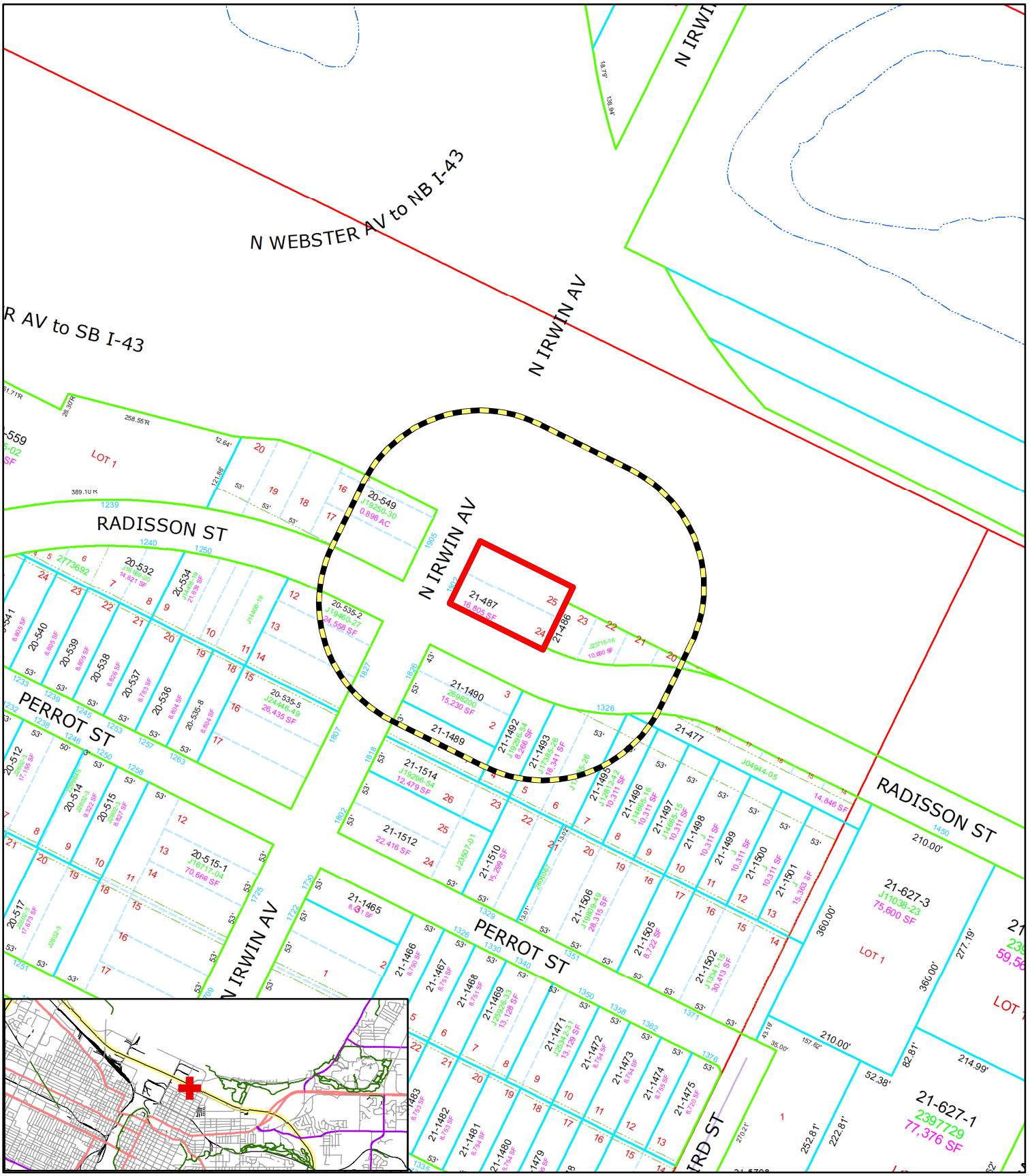
Approved _____

_____
Mayor

_____
Clerk

pn

Attachment – Map



Zoning Petition (ZP 22-03)
Proposed Conditional Use Permit (CUP)
1902 North Irwin Avenue

Subject Area

200' Property Owner Notice

0 5,000 10,000 Feet

N

This is a compilation of records and data located in various City of Green Bay offices and is to be used for reference purposes only. The City of Green Bay is not responsible for any inaccuracies or unauthorized use of the information contained within. No warranties are implied.
Map prepared by PN

RESOLUTION FOR THE ALLEY BETWEEN EAST MASON STREET AND KIMBALL STREET FROM JOHN STREET TO 100 FEET EAST TO BE VACATED

(AV 22-01, 1567 EAST MASON STREET)

MARCH 15, 2022

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY:

WHEREAS, a request has been filed with the Common Council requesting vacation of all of the Alley dedicated to the public lying southerly of Lots 7 and 8 and northerly of Lots 9 and 10 in Block 1, Guesnier's Fourth Addition, recorded in Volume 1 of Plats, Page 133-A, as City of Green Bay, Brown County, Wisconsin, described as follows: Beginning at the southeast corner of said Lot 7, Block 1, Guesnier's Fourth Addition; thence westerly 100 feet along the south line of said Lots 7 and 8, to the southwest corner of said Lot 8; thence southerly 12 feet, to the northwest corner of said Lot 9; thence easterly 100 feet along the north line of said Lots 9 and 10, to the northeast corner of said Lot 10; thence northerly 12 feet, to the point of beginning.

Parcel affected being tax parcel number 8-475.

WHEREAS, the public interest may require that the aforesaid street be abandoned, vacated, and discontinued; and

WHEREAS, the Plan Commission of the City of Green Bay has given approval to such abandonment, vacation, and discontinuance.

BE IT FURTHER RESOLVED that a notice of such hearing be served on the owners of the frontage of the lots and lands abutting on the portion of the street sought to be abandoned, vacated, and discontinued at least 30 days before such hearing, and that notice of such hearing be published in the official newspaper of the City of Green Bay once a week for three successive weeks before the date of hearing.

BE IT FURTHER RESOLVED that the City Attorney, upon adoption of this resolution, cause a lis pendens to be prepared and filed with the Register of Deeds for Brown County, Wisconsin, pursuant to §840.11, Wis. Stats.

NOW, THEREFORE, BE IT RESOLVED that it appears to be in the public interest that the parcel 8-475 be vacated, and discontinued by the City of Green Bay subject to the above-referenced conditions, and that a hearing be held on the abandonment, vacation, and discontinuance of the same on March 15, at 6:00 p.m. in the Council Chambers, City Hall, 100 North Jefferson Street, Green Bay, Wisconsin. This will be a virtual meeting at this time.

Subject to the following conditions:

1) The petitioner is to pay all costs associated with closing the alley curb openings.

2) All existing WPS facilities be retained. Some facilities will be moved at petitioner's request. (See attached map from WPS and original resolution).

3) Time Warner Cable can maintain its facilities on WPS poles. If the facilities are to be moved, it will be done at the requestor's expense.

4) The City releases an access easement for ingress/egress over this property for public safety purposes. It is the intent to release restrictions on any building on this easement.

PARCELS AFFECTED	OWNERS NAME AND MAILING ADDRESS
8-475	GRAND CENTRAL LLC 1275 GLORY RD GREEN BAY WI 54304

Adopted _____

Approved _____

_____

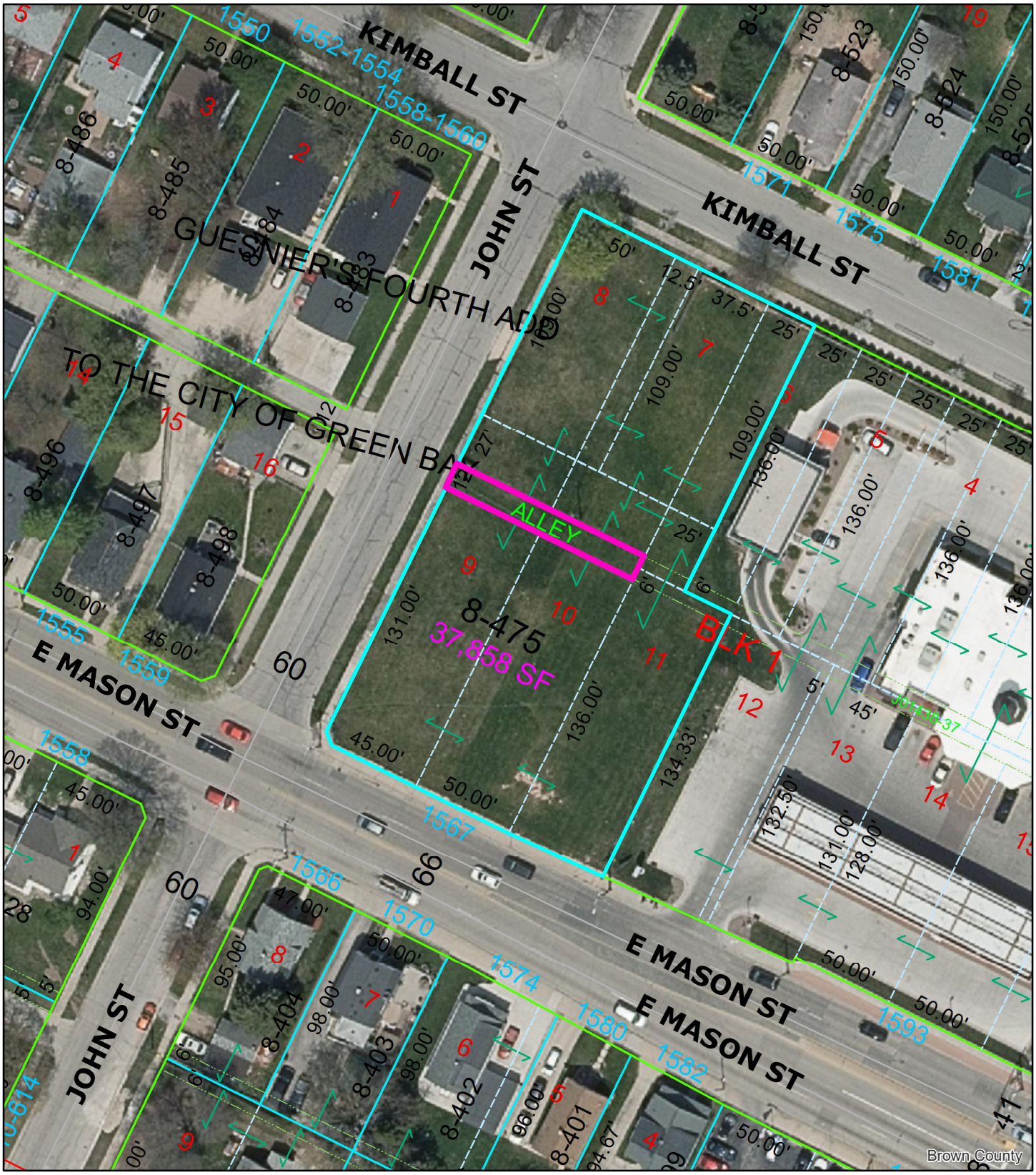
Eric Genrich, Mayor

_____

Celestine Jeffreys, Clerk

MS:

Attachments (legal description and map)



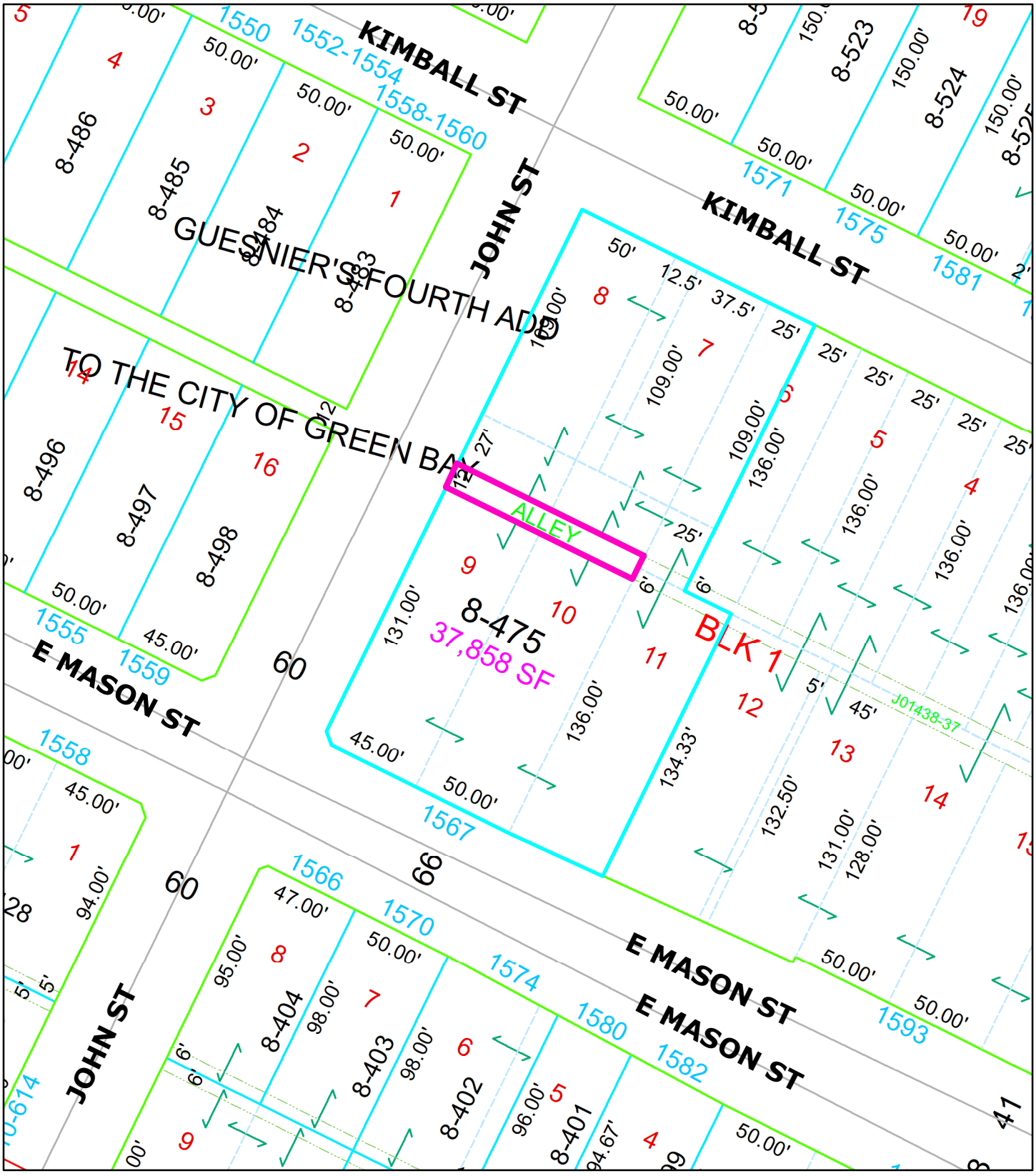
(AV 22-01) Alley Vacation Between
NE Corner of E Mason Street & John Street

Feet
0 15 30 60

This is a compilation of records and data located in various City of Green Bay offices and is to be used for reference purposes only. The City of Green Bay is not responsible for any inaccuracies or unauthorized use of the information contained within. No warranties are implied. Map prepared by City of Green Bay Department of Community and Economic Development. MS

Alley Vacation Area

Notifed Adjacent Properties



(AV 22-01) Alley Vacation Between
NE Corner of E Mason Street & John Street

Feet
0 15 30 60

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Alley Vacation Area

Notifed Adjacent Properties

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # T.3

2021 budget amendment resolution for $66,207.25 to record unbudgeted Wisconsin Historical Society grant received in 2021 for the Historic Intensive Resources survey.

BACKGROUND

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

1. BUA - Grant $66,207

RESOLUTION AUTHORIZING
2021 BUDGET AMENDMENT

March 15, 2022

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY, RESOLVED:

Pursuant to the recommendation of the Finance Committee at its meeting of March 8, 2022, the following 2021 amendment of funds is hereby authorized:

	ACCOUNT	AMOUNT
Increase:	101251 53001 20214 Contractual Services	$66,207.25
Increase:	101251 43210 20214 Federal grant revenue	$66,207.25

**This budget amendment is to record Wisconsin Historical Society grant for the Certified Local Government subgrant program centered on updating the city's Historic Intensive Resources survey unbudgeted in 2021.

Adopted _____

Approved _____

_____
Mayor

_____
Clerk

City of Green Bay

CITY OF GREEN BAY
G/L ACCOUNT DETAIL

Org: 101251 Object: 53001 Project: 20214
CONTRACTUAL SERVICES

YEAR	PER	JOURNAL	EFF DATE	SRC	T	PO/REF2	REFERENCE	AMOUNT	P	CHECK NO	WARRANT	VDR NAME/ITEM DESC	COMMENTS
2021	12	1017	12/25/2021	API	1		7123	4,671.47	Y	732011E021022		LEGACY ARCHITECTU	21.044 IN
2021	12	210	12/09/2021	API	1		6908	10,282.01	Y	731267E123021		LEGACY ARCHITECTU	21.044 IN
2021	11	342	11/18/2021	API	1		6858	9,259.60	Y	730964E120221		LEGACY ARCHITECTU	21.044 IN
2021	10	123	10/08/2021	API	1		6751	8,994.17	Y	730582E102821		LEGACY ARCHITECTU	21 .044 I
2021	08	576	08/18/2021	API	1		6611	5,543.40	Y	729907E090221		LEGACY ARCHITECTU	19.083 IN
2021	07	604	07/27/2021	API	1		6545	6,812.50	Y	729593C080521		LEGACY ARCHITECTU	JUNE 2021
2021	06	438	06/23/2021	API	1		6456	5,257.58	Y	729160C070121		LEGACY ARCHITECTU	19.083 IN
2021	06	97	06/07/2021	API	1		6412	11,965.27	Y	728850C061021		LEGACY ARCHITECTU	MARCH 202
2021	06	97	06/07/2021	API	1		6412	3,421.25	Y	728850C061021		LEGACY ARCHITECTU	APRIL 202

Total Amount: 66,207.25

** END OF REPORT - Generated by Diana Ellenbecker **

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # T.4

2021 budget amendment resolution for $10,217.21 to record unbudgeted cost paid to local hospitals for blood draws by the police and reimbursed through collections at Municipal Court.

BACKGROUND

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

1. BUA - Police med supplies $10,217

RESOLUTION AUTHORIZING
2021 BUDGET AMENDMENT

March 15, 2022

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY, RESOLVED:

Pursuant to the recommendation of the Finance Committee at its meeting of March 8, 2022, the following 2021 amendment of funds is hereby authorized:

	ACCOUNT		AMOUNT
Increase:	101300 54051	Police-Medical Supplies	$10,217.21
Increase:	101160 45110	Muni Court-Ordinance Violations	$10,217.21

**This budget amendment is for unbudgeted costs to offset the expenses paid to local hospitals for blood draws resulting from the police department's OWI arrests-1st offense that are collected from invoicing the person that was arrested.

Adopted _____

Approved _____

_____
Mayor

_____
Clerk

City of Green Bay

CITY OF GREEN BAY
G/L ACCOUNT DETAIL

Org: 101300 Object: 54051
MEDICAL SUPPLIES

YEAR	PER	JOURNAL	EFF DATE	SRC	T	PO/REF2	REFERENCE	AMOUNT	P	CHECK NO	WARRANT	VDR NAME/ITEM DESC	COMMENTS
2021	12	540	12/31/2021	BUA	5	KR	BLOOD DRAW	240.12	Y		0		BLOOD DRA
2021	11	465	11/30/2021	BUA	5	KR	CHG IN APP	299.75	Y		0		BLOOD DRA
2021	10	471	10/31/2021	BUA	5	KR	CHG IN APP	476.01	Y		0		BLOOD DRA
2021	09	636	09/30/2021	BUA	5	KR	CHG IN APP	463.90	Y		0		BLOOD DRA
2021	08	600	08/31/2021	BUA	5	KR	CHG IN APP	840.02	Y		0		BLOOD DRA
2021	07	547	07/31/2021	BUA	5	KR	CHG IN APP	518.32	Y		0		BLOOD DRA
2021	06	543	06/30/2021	BUA	5	KR	BLOOD DRAW	1,383.00	Y		0		JUNE BLOO
2021	05	504	05/31/2021	BUA	5	KR	CHG IN APP	807.32	Y		0		MAY BLOOD
2021	04	498	04/30/2021	BUA	5	KR	BLOOD DRAW	1,543.74	Y		0		APRIL BLO
2021	03	537	03/31/2021	BUA	5	KR	CHG IN APP	1,497.01	Y		0		MARCH BLO
2021	02	457	02/28/2021	BUA	5	KR	BLOOD DRAW	1,236.34	Y		0		BLOOD DRA
2021	01	523	01/31/2021	BUA	5	KR	BLOOD DRAW	911.68	Y		0		BLOOD DRA

Total Amount: 10,217.21

** END OF REPORT - Generated by Diana Ellenbecker **

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # T.5

2021 budget amendment resolution for $30,510.24 to record unbudgeted overtime for various community events and reimbursed.

BACKGROUND

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

1. BUA - Fire OT $30,510

RESOLUTION AUTHORIZING
2021 BUDGET AMENDMENT

March 15, 2022

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY, RESOLVED:

Pursuant to the recommendation of the Finance Committee at its meeting of March 8, 2022, the following 2021 amendment of funds is hereby authorized:

	ACCOUNT		AMOUNT
Increase:	101400 50501	Fire-Overtime	$30,510.24
Increase:	101400 46223	Fire Overtime Reimbursement	$30,510.24

**This budget amendment is for various 2021 unbudgeted overtime for various community events such as the Lambeau Field Firework displays, Brown County Fire Investigation Task Force, Green Bay Packers kick off concert and various Run/Walks.

Adopted _____

Approved _____

_____
Mayor

_____
Clerk

City of Green Bay

CITY OF GREEN BAY
G/L ACCOUNT DETAIL

Org: 101400 Object: 50501
OVERTIME

YEAR	PER	JOURNAL	EFF DATE	SRC	T	PO/REF2	REFERENCE	AMOUNT	P	CHECK NO	WARRANT	VDR NAME/ITEM DESC	COMMENTS
2021	12	1052	12/31/2021	BUA	5	KR	REVERSAL	200.00	Y		0		REVERSE J
2021	12	1050	12/31/2021	BUA	5	KR	FIRE OT	359.63	Y		0		FIRE OT R
2021	12	1049	12/31/2021	BUA	5	KR	FIRE OT	867.29	Y		0		FIRE OT R
2021	12	905	12/31/2021	BUA	5	KR	FIRE OT	5,991.87	Y		0		FIRE OT R
2021	12	453	12/29/2021	BUA	5	KR	FIRE OT	148.04	Y		0		FIRE OT R
2021	11	121	11/09/2021	BUA	5	KR	FIRE OT	524.09	Y		0		FIRE OT R
2021	11	113	11/08/2021	BUA	5	KR	FIRE OT	439.95	Y		0		FIRE OT R
2021	10	306	10/21/2021	BUA	5	KR	FIRE OT	768.33	Y		0		FIRE OT R
2021	10	237	10/18/2021	BUA	5	FIREOT	KR	1,284.31	Y		0		FIRE OT R
2021	10	237	10/18/2021	BUA	5	FIREOT	KR	1,727.92	Y		0		FIRE OT R
2021	10	74	10/06/2021	BUA	5	KR	FIRE OT	3,402.44	Y		0		FIRE OT R
2021	09	548	09/30/2021	BUA	5	KR	FIRE OT	164.60	Y		0		FIRE OT R
2021	08	658	08/31/2021	BUA	5	KR	FIRE OT	469.16	Y		0		FIRE OT R
2021	08	350	08/23/2021	BUA	5	KR	FIRE OT	297.06	Y		0		FIRE OT R
2021	07	549	07/31/2021	BUA	5	KR	FIRE OT	4,293.24	Y		0		FIRE OT R
2021	07	159	07/13/2021	BUA	5	KR	FIRE OT	368.93	Y		0		FIRE OT R
2021	07	126	07/09/2021	BUA	5	KR	FIRE OT	577.61	Y		0		FIRE OT R
2021	07	126	07/09/2021	BUA	5	KR	FIRE OT	800.67	Y		0		FIRE OT R
2021	06	226	06/16/2021	BUA	5	KR	FIRE OT	1,317.20	Y		0		FIRE OT R
2021	06	226	06/16/2021	BUA	5	KR	FIRE OT	194.17	Y		0		FIRE OT R
2021	05	143	05/12/2021	BUA	5	KR	FIRE OT	64.72	Y		0		FIRE OT R
2021	05	75	05/07/2021	BUA	5	KR	FIRE OT	678.46	Y		0		FIRE OT R
2021	05	75	05/07/2021	BUA	5	KR	FIRE OT	64.72	Y		0		FIRE OT R
2021	03	549	03/31/2021	BUA	5	KR	FIRE OT	5,905.83	Y		0		FIRE-OT R

Total Amount: 30,910.24

(400.00 ADJ

** END OF REPORT - Generated by Diana Ellenbecker **

30,510.24

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User: DianaEl
Program ID: glactinq

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # T.6

2022 budget amendment and 2021 carry-over resolution for $150,000.00 of the Oneida Cooperative agreement unbudgeted revenue to be used for repairs on the existing armored vehicle approved by Council on 2/16/2022.

BACKGROUND

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

1. BUA and carryover - Oneida rev and Vehicle repair $150,000

RESOLUTION AUTHORIZING
2022 BUDGET AMENDMENT / 2021 CARRY-OVER REQUEST

March 15, 2022

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY, RESOLVED:

Pursuant to the recommendation of the Finance Committee at its meeting of March 8, 2022, the following 2022 budget amendment of funds is hereby authorized:

2021	ACCOUNT		AMOUNT
Increase:	1013440 55101	Vehicle repairs	$150,000.00
Increase:	101100 41332	Oneida Cooperative agreement	$150,000.00

2022	ACCOUNT		AMOUNT
Increase:	1013440 55101	Vehicle repairs	$150,000.00
Decrease:	101 34150	General fund balance carry-over	$150,000.00

**This budget amendment is for unbudgeted costs to repair the existing armored vehicle ("Bearcat") used by SWAT and patrol officers in high-risk situations. The armored vehicle's engine and other components are approximately 14 years old and have reached end of life. The vehicle's armor, however, is still serviceable, so this funding will be used to refurbish the vehicle to extend its useful life by several years. This is a considerable savings over the $450,000-$500,000 cost of procuring a new vehicle.
Approved at Common Council meeting on February 16, 2022.

Adopted _____

Approved _____

_____
Mayor

_____
Clerk

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # T.7

2022 budget amendment and 2021 carry-over resolution for $52,161.77 of fund balance to replace street light fixtures.

BACKGROUND

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

1. BUA and carryover - Street light replacement $52,162

RESOLUTION AUTHORIZING
2022 BUDGET AMENDMENT / 2021 CARRY-OVER REQUEST

March 15, 2022

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY, RESOLVED:

Pursuant to the recommendation of the Finance Committee at its meeting of March 8, 2022, the following 2022 budget amendment of funds is hereby authorized:

	ACCOUNT		AMOUNT
Increase:	101504 55107	Street Light Maintenance	$52,161.77
Increase:	101 34150	General fund balance carry-over	$52,161.77

**This budget amendment to replace the High Pressure Sodium (HPS) street lighting with LED street light fixtures on the City-owned lighting circuits on the Velp Avenue, Military Avenue, Monroe Street, and Webster Avenue corridor. See additional memo.

Adopted _____

Approved _____

_____
Mayor

_____
Clerk

Inter-Office Memo

Date: March 2, 2022

To: Finance Committee

From: Steve Grenier

Re: 2021 Budget Carry-Over

The Department of Public Works respectfully asks the Finance Department to consider our request to dedicate $52,161.77 of 2021 Budget Carry-over to replace the High Pressure Sodium (HPS) street lighting with LED street light fixtures on the City-owned lighting circuits on the Velp Avenue, Military Avenue, Monroe Street, and Webster Avenue corridors.

The four areas under consideration are metered systems, meaning that we pay for actual power consumption based off of a meter reading rather than a flat rate per fixture, which is the norm for WPS-owned street lights in the City. The LED lights are considerably more energy-efficient and have a longer duty life than the HPS, often lasting in excess of 10 years compared to 3 to 4 years for a HPS fixture.

Based upon reduced energy consumption alone, the City will recover this investment through lower electric bill charges in less than 7 years, which is less than the life of the bulb. When one considers the additional cost in labor, equipment, and materials to also change out the HPS bulb at the end of its life, the payback period is likely less than 5 years.

Conversion of the bulbs would also include a Focus on Energy (FOE) rebate, significantly lowering the initial investment. While we would have to fund the project up-front, the City would receive the rebate in short order, making the rebate available for routine street light maintenance.

Please consider our request to apply $52,161.77 of 2021 budget carry-over to a 2022 budget amendment to 101504-55107 Street Light Maintenance.

HPS to LED Streetlight Fixture Conversion

						FOCUS ON ENERGY (FOE)				FIXTURE	ANNUAL	
			NO. OF	LED COST PER	GROSS	INCENTIVE PER FIXTURE	10% BONUS	FIX. COST AFTER INCENTIVES	EXTENDED COST AFTER INCENTIVES	SAVINGS PER CORRIDOR	ENERGY SAVINGS Cg-1 or Ls-1	PAYBACK PERIOD (YEARS)
ROAD	LIMIT 1	LIMIT 2	FIXTURES	FIXTURE	COST							
Velp	Military	Mather	138	$ 192.63	$ 26,582.94	$ 50.00	$ 5.00	$ 137.63	$ 18,992.94	$ 7,590.00	$ 2,586.76	7.3
Military	Biemeret	Dousman	133	$ 192.63	$ 25,619.79	$ 50.00	$ 5.00	$ 137.63	$ 18,304.79	$ 7,315.00	$ 2,394.46	7.6
Monroe	Cass	Main	68	$ 192.63	$ 13,098.84	$ 50.00	$ 5.00	$ 137.63	$ 9,358.84	$ 3,740.00	$ 1,184.54	7.9
Main	Fox River	Monroe	40	$ 192.63	$ 7,705.20	$ 50.00	$ 5.00	$ 137.63	$ 5,505.20	$ 2,200.00	$ 4,360.17	1.3
								No. Fixtures	379			
								Gross Cost	$ 73,006.77			
								FOE Incentive		$ 20,845.00		
								Net Cost	**$ 52,161.77**			

I:\DeptData\PubWorks\DIRECTOR\MEMOS\2022\Memo_finance_HPS to LED conversion_03-02-22_Sgrenier.docx

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # T.8

2022 budget amendment and 2021 carry-over resolution for $3,639.62 of fund balance to be used for office furniture ordered in 2021 but will be delivered and installed in 2022.

BACKGROUND

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

1. BUA and carryover - office furniture $3,639

RESOLUTION AUTHORIZING
2022 BUDGET AMENDMENT / 2021 CARRY-OVER REQUEST

March 15, 2022

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY, RESOLVED:

Pursuant to the recommendation of the Finance Committee at its meeting of March 8, 2022, the following 2022 budget amendment of funds is hereby authorized:

	ACCOUNT		AMOUNT
Increase:	101002 54002	Office supplies	$3,639.62
Increase:	101 34150	General fund balance carry-over	$3,639.62

**This budget amendment is to replace worn out and very used office furniture and update to a functional professional office. The order for this furniture was placed in 2021 but due to all furniture manufacturers longer lead time than normal, the furniture will be delivered and installed in 2022.

Adopted _____

Approved _____

_____
Mayor

_____
Clerk

EBi EMMONS BUSINESS INTERIORS
Complete Office of Wisconsin
Phone: 800-324-1691
Fax: 715-345-1688

INVOICE	209065
DATE:	12/28/21
PROPOSAL	207691
PROJECT #	33-8

BILL TO:	INSTALL AT:
CLIENT 20333 CITY OF GREEN BAY MAYOR'S OFFICE - AMAAD'S OFFICE 2ND FLOOR, RM 200 100 N JEFFERSON ST GREEN BAY WI 54301	CITY OF GREEN BAY MAYOR'S OFFICE - AMAAD'S OFFICE 2ND FLOOR, RM 200 100 N JEFFERSON ST GREEN BAY WI 54301

CUST P/O	QUOTE VALID	TERMS	SALESPERSON
MAYORS OFFICE	01/28/22	NET 10 DAYS	Dennis Baenen

#	QTY	PRODUCT	DESCRIPTION	SELL	EXTENDED
			********** INVOICE **********		
1	1.00	HON	L-SHAPED MODULAR DESK W/POWER ADJ DESK, WALL MOUNTED OVERHEAD & TACKBOARD, STORAGE PER PLAN MAHOGANY/BLACK	2,949.64	2,949.64
2	1.00	HON	30"W X 42"H 3-SHELF BOOKCASE MAHOGANY/BLACK	353.28	353.28
3	1.00	HON	36" ROUND CONFERNCE TABLE MAHOGANY/BLACK	336.70	336.70
4	1.00	EBI SERVICE	FREIGHT, DELIVERY AND INSTALLATION INCLUDED	0.00	0.00
5	1.00	EBI SERVICE	DESIGN/PROJECT MGT	0.00	0.00
6	1.00	EBI SERVICE	CITY G.B. CONTRACT PRICING APPLIED	0.00	0.00

SUBTOTAL...:	3,639.62
FINAL TOTAL...:	3,639.62
PAY THIS AMOUNT...:	3,639.62

PLEASE REMIT TO:
P.O. BOX 640
GERMANTOWN, WI 53022

Report to the
Finance Committee of the City of Green Bay

MEETING DATE	PREPARED BY
March 15, 2022	

AGENDA ITEM # T.9

2022 budget amendment and 2021 budget carry-over resolution for up to $432,000 of fund balance to be used as a one-time payment as Covid-19 pay for general levy employees.

BACKGROUND

Funding sources:

1) American Rescue Plan Act resolution was approved at council on 12/7/21 or

2) 2021 General Fund Budget carry-over – there has been a suggestion to consider using 2021 budget carry over to fund this expense. The 2021 year-end results are still preliminary, prior to audit, based on the current results, there would be enough to cover up to $400,000 of this request with 2021 budget carry over. This expense would qualify as an operating cost as 2021 there was reduction in some salary lines due to programs not being run, position vacancies, or challenges of filling positions. If approved, recommendation to cover general fund employees with general fund carry-over and use ARPA for other funds (Water, Sanitary, Storm, Parking, Bay Beach, etc).

RECOMMENDATION

Approve.

FISCAL IMPACT

ATTACHMENTS

1. BUA Carryover - Premium Pay $432K

RESOLUTION AUTHORIZING
2022 BUDGET AMENDMENT / 2021 CARRY-OVER REQUEST

March 15, 2022

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY, RESOLVED:

Pursuant to the recommendation of the Finance Committee at its meeting of March 8, 2022, the following 2022 budget amendment of funds is hereby authorized:

	ACCOUNT		AMOUNT
Increase:	101XXX 53001	Various salary accounts	$432,000.00
Increase:	101 34150	General fund balance carry-over	$432,000.00

**This budget amendment is to carry over up to $432,000 to be used as a one-time payment as COVID-19 pay for general levy employees, up to $97,000 ARPA funds to be used for non-levy employees.

Adopted _____

Approved _____

_____
Mayor

_____
Clerk

RESOLUTION SUPPORTING CONSTRUCTION OF AN ADDITIONAL PORTION OF THE WEST SIDE TRAIL TO CONNECT IT TO THE MOUNTAIN-BAY STATE TRAIL

March 15, 2022

BY THE COMMON COUNCIL OF THE CITY OF GREEN BAY:

WHEREAS the City of Green Bay values opportunities for residents to engage in recreational activities, to enjoy nature, and to safely explore its many parks and trails; and

WHEREAS there are numerous bicycle and pedestrian trails throughout the City, which serve to improve safety for local and regional bicyclists and pedestrians and to improve the City's multimodal infrastructure; and

WHEREAS the Sergeant Benjamin Edinger Corridor/West Side Trail is the main bicycle/pedestrian thoroughfare on the West side of Green Bay; and

WHEREAS the West Side Trail currently ends .7 miles short of connecting to the 83-mile long regional Mountain-Bay State Trail in the Village of Howard; and

WHEREAS the City of Green Bay desires to construct an expansion of the West Side Trail in order to directly connect it to the regional trail and thereby provide a safer route for bicyclists and pedestrians to continue their journeys from one trail to the other; and

WHEREAS City staff has submitted an application for the Wisconsin DOT Transportation Alternatives Program (TAP) grant to assist in funding this project;

NOW, THEREFORE, BE IT RESOLVED that the Common Council for the City of Green Bay supports the proposed project to expand the West Side Trail an additional approximately .7 miles to connect to the Mountain-Bay State Trail, and further supports the City's application for the DOT TAP grant.

Adopted _____

Approved _____

_____
Eric Genrich, Mayor

_____
Celestine Jeffreys, Clerk

ZONING ORDINANCE NO. 02-22

AN ORDINANCE AMENDING
ZONING ORDINANCE NO. 13-21 FOR THE
PLANNED UNIT DEVELOPMENT FOR THE
2300-2400 BLOCK EAST MASON STREET, EAST TOWN MALL
(ZP 22-04)

THE COMMON COUNCIL OF THE CITY OF GREEN BAY DOES ORDAIN AS FOLLOWS:

SECTION 1. Pursuant to Section 44-29, Green Bay Municipal Code, together with the zoning map referred to therein, Section 3.D.1.c. of Zoning Ordinance No. 13-21, relating to the Planned Unit Development (PUD) for the 2300-2400 Block of East Mason Street, is hereby amended as follows:

c. This PUD is only in effect if/when the semi-public roads detailed in Exhibit C are recorded with the Brown County Register of Deeds ~~on all adjacent parcels~~ as described in Section 3.D.1.a above. **A contiguous cross-access easement shall be created and recorded during the land division process for all future in-lot parcels. These easements shall be considered part of the semi-public road system.** ~~This PUD will be considered void if no recordation happens within twelve (12) months of the adoption of this PUD.~~
   1. **Parcel 21-126-7-2 is exempt from this requirement such that the easements described in this section are not required provided that an easement granting public access to a semi-public road connecting Mason Street to said parcel, as shown in Exhibit E, is created and recorded with the Brown County Register of Deeds.**
   2. **The exception for Parcel 21-126-7-2 shall be the only exception to the easement requirement described in this section.**

SECTION 2. The provisions of this ordinance, including, without limitation, the granting of a conditional-use permit and all obligations, conditions, restrictions, and limitations related thereto shall run with and be jointly and severally binding upon the fee-simple owner and the beneficial owner of all or any portion of the subject property. All obligations, requirements, and rights of the owner shall run with the land and shall automatically be assigned to be binding upon and inure to the benefit of its successors and assigns, including, but not limited to, any entity acquiring any financial interest in the subject property and/or any subsequent owner and/or beneficial owner of all or any portion of the subject property.

SECTION 3. Each exhibit which is attached to this ordinance is deemed to be and is expressly made a part of and incorporated into this ordinance to the same extent as if each such exhibit and the plans identified therein had been set forth in its entirety in the body of this ordinance.

SECTION 4. All ordinances or parts of ordinances in conflict herewith are hereby repealed.

SECTION 5. In addition to all other remedies available to the City of Green Bay, the City may decline to issue any building or other permits otherwise required by any ordinance of this City while any violation of this ordinance remains uncured.

SECTION 6. If any provision in this ordinance is held invalid or unconstitutional by any court of competent jurisdiction, such a decision shall not affect the validity of any other provision of this ordinance. It is hereby declared to be the intention of the City of Green Bay that all provisions of this ordinance are separable.

SECTION 7. This ordinance shall not take effect until a public hearing is held hereon as provided by Section 44-82, Green Bay Municipal Code, and the adoption and publication of this ordinance.

Dated at Green Bay, Wisconsin, this _____ day of _____, 2022.

APPROVED:

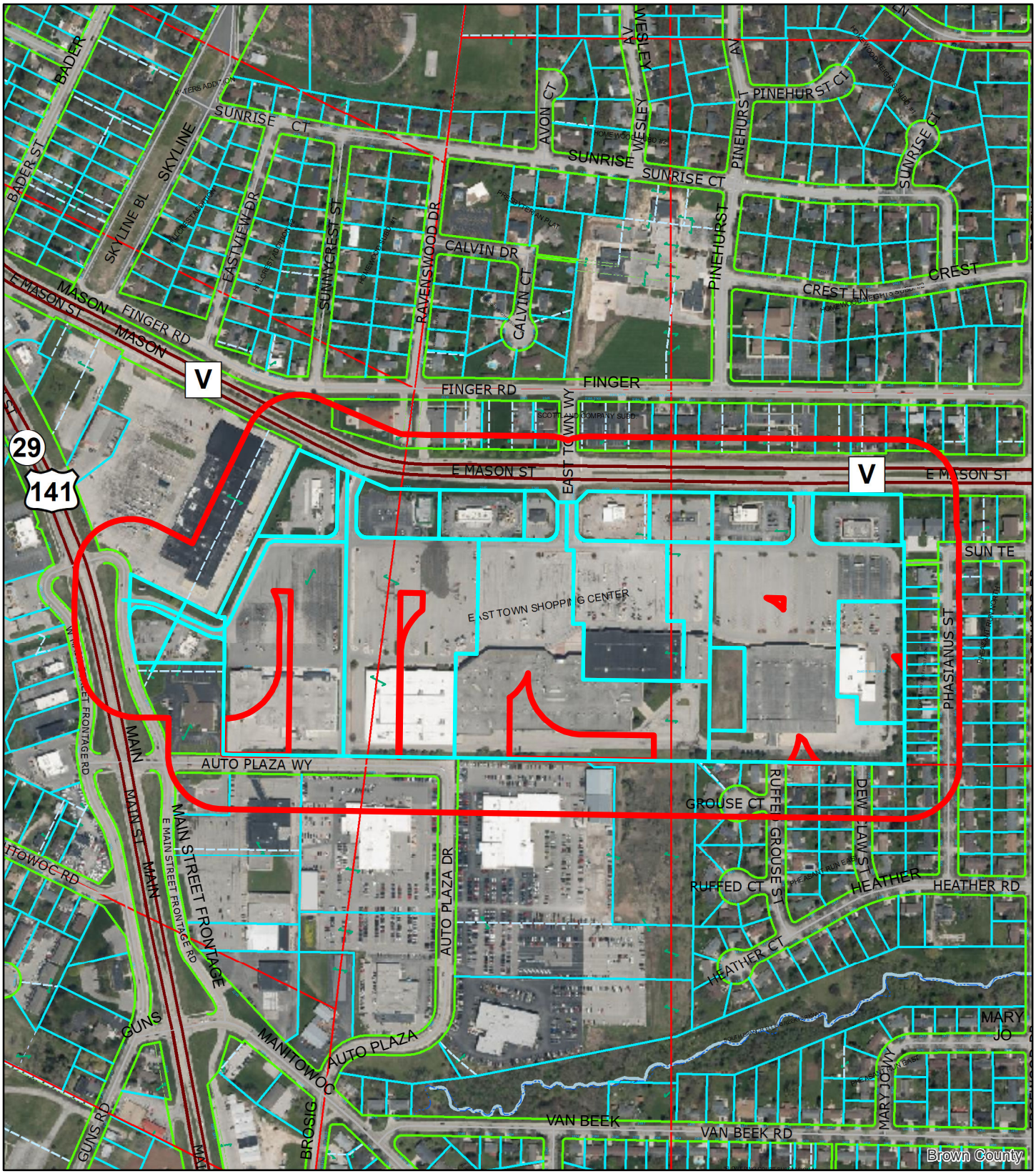
_____
Mayor

ATTEST:

_____
Clerk

ljm

Attachment: Exhibit E: Partial Easement Exhibit, Parcel 21-126-7-2
Exhibit C



(ZP 22-04) Planned Unit Development
East Town Mall

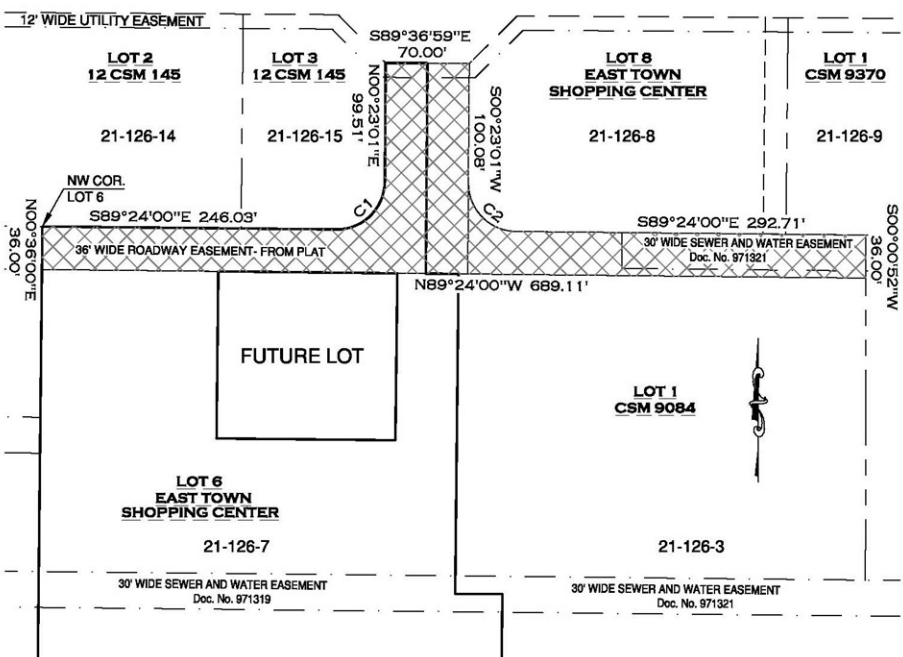
0 140 280 560 Feet

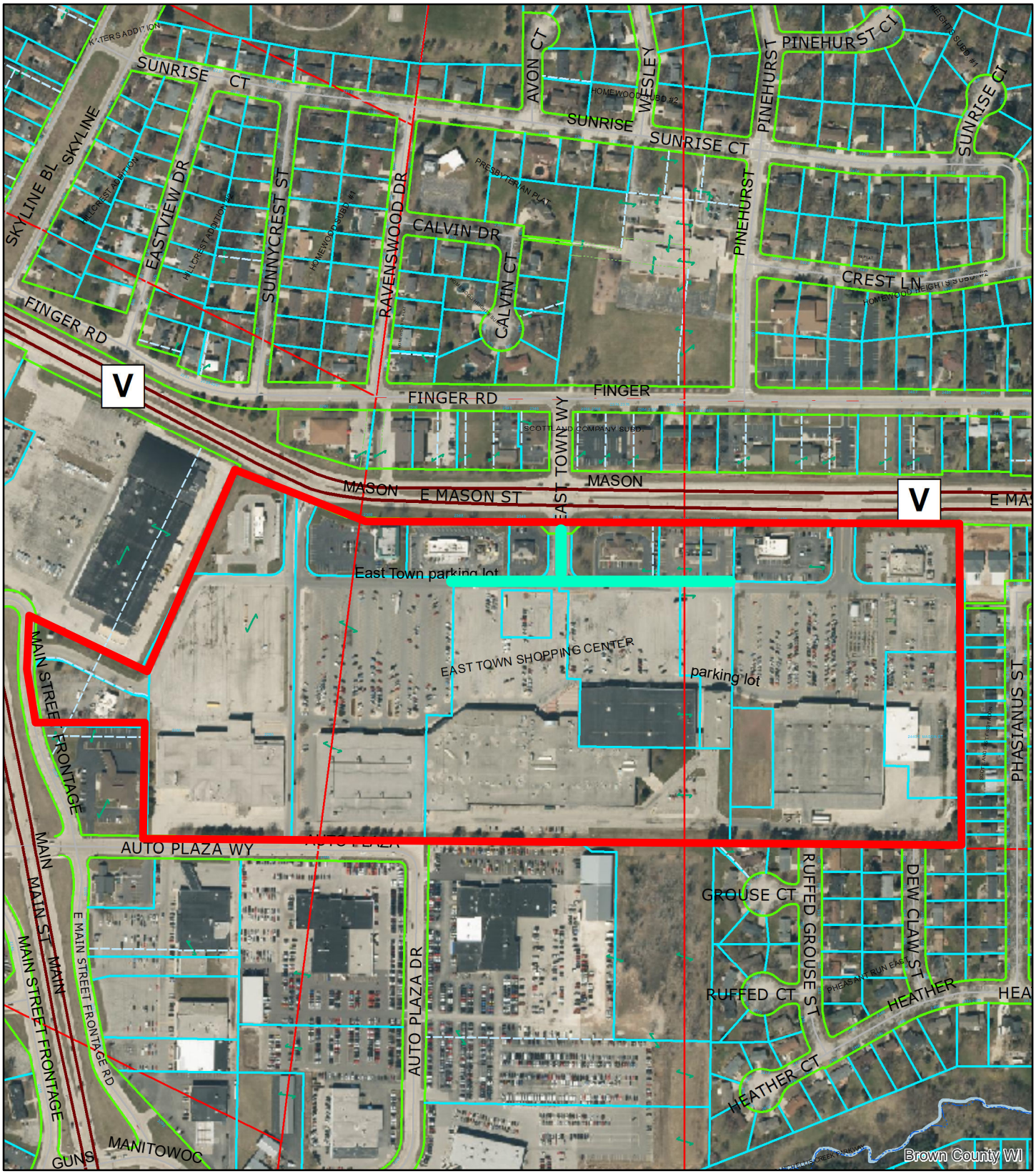
N

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Mall Properties

200-ft. Notification Area


EAST MASON STREET
CTH V
12' WIDE UTILITY EASEMENT
S89°36'59"E
70.00'
LOT 2
12 CSM 145
LOT 3
12 CSM 145
LOT 8
EAST TOWN
SHOPPING CENTER
LOT 1
CSM 9370
21-126-14
21-126-15
21-126-8
21-126-9
N00°23'01"E
99.51'
S00°23'01"W
100.08'
NW COR.
LOT 6
S89°24'00"E 246.03'
C1
C2
S89°24'00"E 292.71'
N00°36'00"E
36.00'
36' WIDE ROADWAY EASEMENT- FROM PLAT
30' WIDE SEWER AND WATER EASEMENT
Doc. No. 971321
S00°00'52"W
36.00'
N89°24'00"W 689.11'
FUTURE LOT
LOT 1
CSM 9084
LOT 6
EAST TOWN
SHOPPING CENTER
21-126-7
21-126-3
30' WIDE SEWER AND WATER EASEMENT
Doc. No. 971319
30' WIDE SEWER AND WATER EASEMENT
Doc. No. 971321



(ZP 22-04) Exhibit C - Updated

0 115 230 460 Feet

N

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Semi-Public Road

Boundary

ZONING ORDINANCE NO. 03-22

AN ORDINANCE REZONING THE PROPERTY LOCATED AT 2260 MAIN STREET FROM GENERAL COMMERCIAL (C1) DISTRICT TO HIGHWAY COMMERCIAL (C2) DISTRICT (ZP 22-05)

THE COMMON COUNCIL OF THE CITY OF GREEN BAY DOES ORDAIN AS FOLLOWS:

SECTION 1. Section 44-29, Green Bay Municipal Code, together with the zoning map referred to therein, is hereby amended by rezoning the following described property located at 2260 Main Street from General Commercial (C1) District to Highway Commercial (C2) District:

22,812 SQ FT LOT 1 OF 9 CSM 175 MAP 2095 IN 944304 & PART
DESC IN J24302-30 BNG PART OF PC 8

SECTION 2. All ordinances or parts of ordinances in conflict herewith are hereby repealed.

SECTION 3. This ordinance shall not take effect until a public hearing is held hereon as provided by Section 44-82, Green Bay Municipal Code, and the adoption and publication of this ordinance.

Dated at Green Bay, Wisconsin, this _____ day of _____, 2022.

APPROVED:

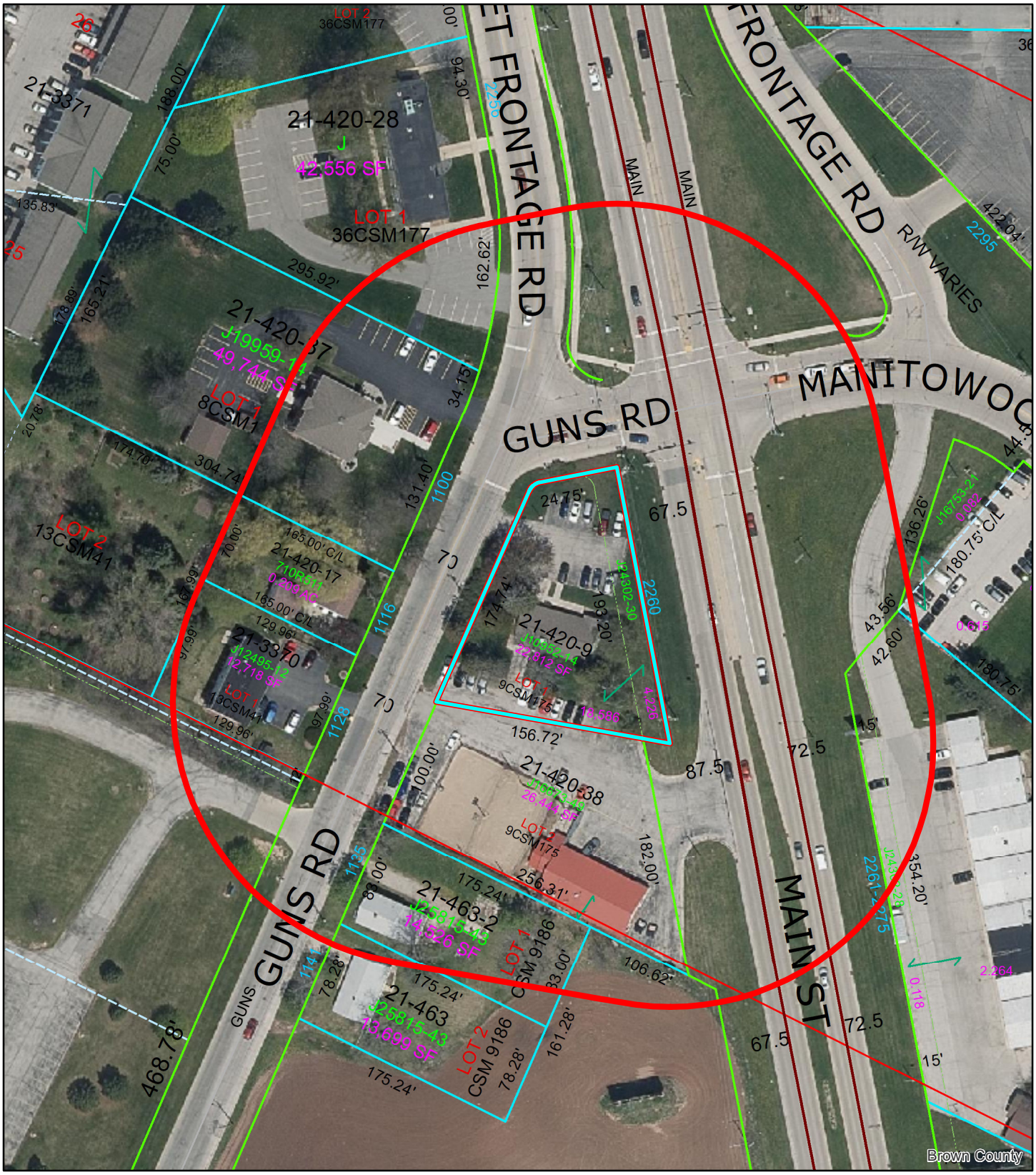
_____
Mayor

ATTEST:

_____
Clerk

sjh

Attachment – Map



(ZP 22-05) Rezone C1 to C2
2260 Main Street

0 25 50 100 Feet

N

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2260 Main Street

200-ft. Notification Area

ZONING ORDINANCE NO. 1-22

AN ORDINANCE REZONING THE PROPERTY LOCATED AT 1840 BOND STREET FROM LOW-DENSITY RESIDENTIAL (R1) DISTRICT TO PUBLIC INSTITUTIONAL (PI) DISTRICT (ZP 22-06)

THE COMMON COUNCIL OF THE CITY OF GREEN BAY DOES ORDAIN AS FOLLOWS:

SECTION 1. Section 44-29, Green Bay Municipal Code, together with the zoning map referred to therein, is hereby amended by rezoning the following described property located at 1840 Bond Street from Low-Density Residential (R1) District to Public Institutional (PI) District:

TAX PARCEL: 6-60-1

Lot 2, Brown County Certified Survey Map Number 1349 recorded in Volume 5 of Certified Survey Maps, Page 135 as Document Number 799310; and Lot 1, Brown County Certified Survey Map Number 1857 recorded in Volume 8 of Certified Survey Maps, Page 23 as Document Number 921441. EXCEPTING therefrom Lot 1, Brown County Certified Survey Map Number 4348 recorded in Volume 27 of Certified Survey Maps, Page 209 as Document Number 1302608.

AND

Lot 3, Brown County Certified Survey Map Number 4479 recorded in Volume 28 of Certified Survey Maps, Page 310 as Document Number 1333503. EXCEPTING therefrom all of the recorded plat of Imig Acres recorded in Volume 19 OF Plats, Page 127 as Document Number 1343741.

All located in Lot 88, Fort Howard Military Reserve, City of Green Bay, Brown County, Wisconsin.

SECTION 2. All ordinances or parts of ordinances in conflict herewith are hereby repealed.

SECTION 3. This ordinance shall not take effect until a public hearing is held hereon as provided by Section 44-82, Green Bay Municipal Code, and the adoption and publication of this ordinance.

Dated at Green Bay, Wisconsin, this _____ day of _____, 2022.

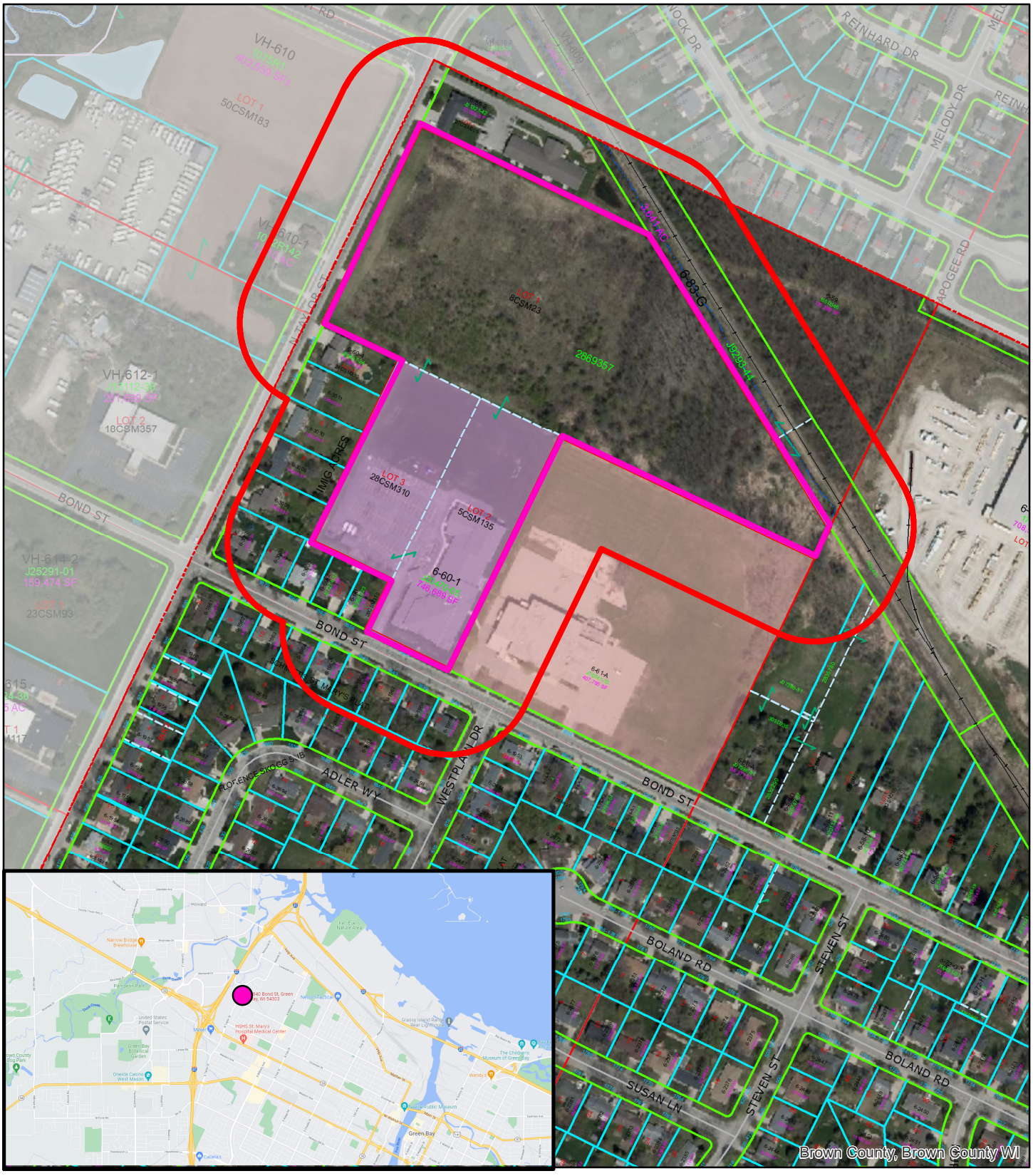
APPROVED:

_____
Mayor, Eric Genrich

ATTEST:

_____
Clerk, Celestine Jeffreys

Attachment – Map



N

(ZP 22-06) Zoning Petition
Rezone 1840 Bond Street
Bay City Baptist Street
Green Bay, WI, 54303

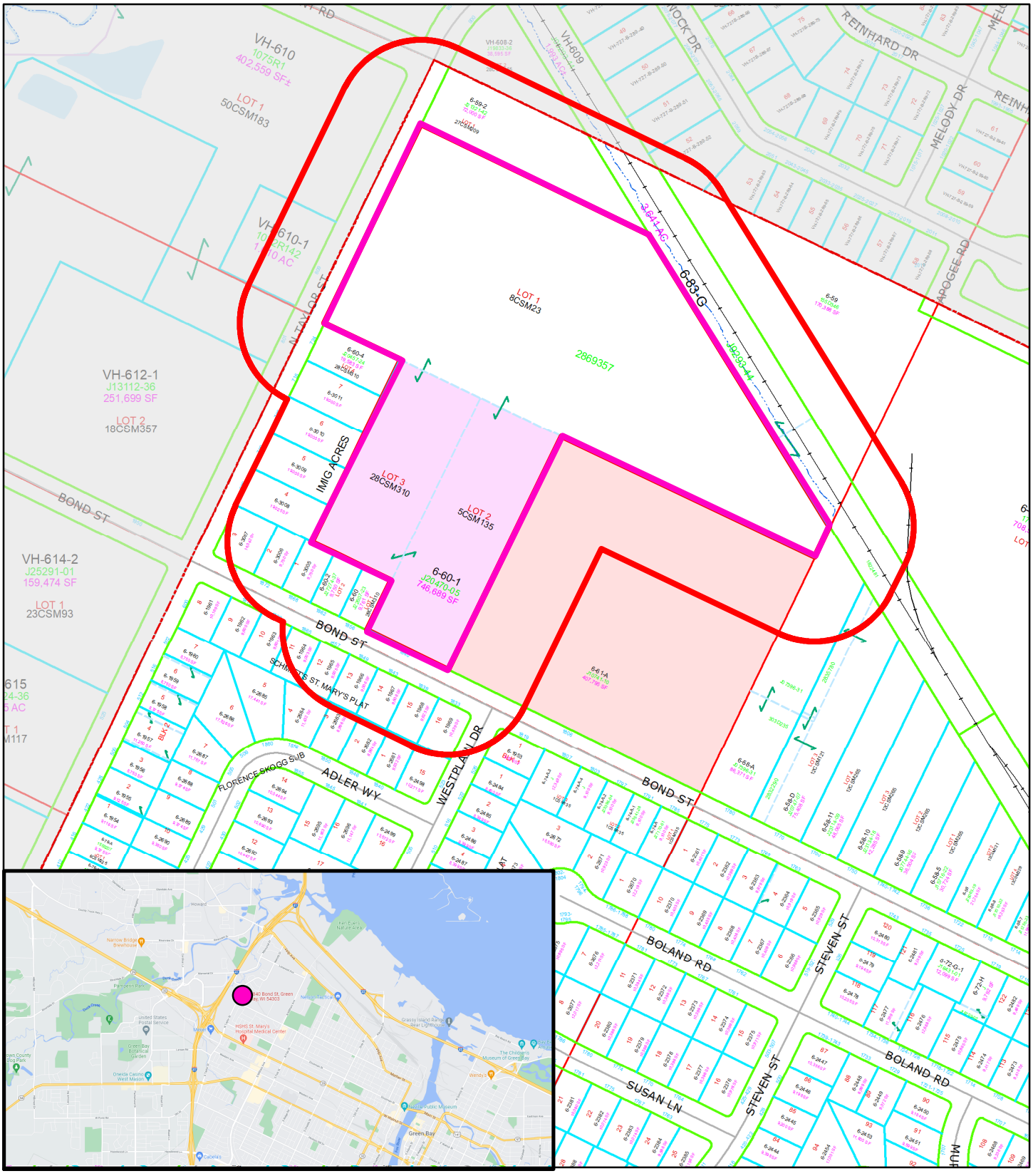
Feet
0 90 180 360

Subject Parcels

Notification Area 200'

Parcel Numbers:
6-60-1

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N

(ZP 22-06) Zoning Petition
Rezone 1840 Bond Street
Bay City Baptist Street
Green Bay, WI, 54303

0 90 180 360 Feet

Subject Parcels

Notification Area 200'

Parcel Numbers:
6-60-1

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GENERAL ORDINANCE NO. 09-22

AN ORDINANCE
AMENDING SECTION 2-288,
GREEN BAY MUNICIPAL CODE,
RELATING TO ELECTION OFFICIALS

THE COMMON COUNCIL OF THE CITY OF GREEN BAY DOES ORDAIN AS FOLLOWS:

SECTION 1. Section 2-288, Green Bay Municipal Code, is hereby amended to read:

2-288. Election Officials.

(a) *Number.* ~~At every election there shall be in each City polling places three inspectors and two clerks unless the Council, by resolution passed not less than 60 days prior to any election, increases the number of election officials, as provided by law.~~ **There shall be five (5) inspectors at each polling place within the City at every election unless, prior to the election, the Council passes a resolution increasing or decreasing the number of election officials in accordance with state statutes.**

(b) *Compensation.* ~~Compensation shall be allowed for~~ **Election officials shall be compensated for service at** all elections.

(c) *Appointment of ~~alternative~~ **alternate** election officials.* The City Clerk shall ~~have the discretion to hire election officials to work less than a full day on the day of the election.~~ **appoint a sufficient number of alternate election officials to maintain adequate staffing of polling places.**

(d) *Shifts.*

(1) There may be two (2) shifts for inspectors on election days. The first shall commence at 6:30 a.m. and end at 1:30 p.m. The second shift shall commence at 1:30 p.m. and end with completion of all required election day duties that follow the closure of the polls.

(2) At the discretion of the Clerk, there may be three (3) shifts for inspectors for certain elections. The first shift shall commence at 6:30 a.m. and end at 11:30 a.m. The second shift shall commence at 11:30 a.m. and end at 4:00 p.m. The third shift shall commence at 4:00 p.m. and end with completion of all required election day duties that follow the closure of the polls.

SECTION 2. All ordinances or parts of ordinances in conflict herewith are hereby repealed.

SECTION 3. Effective date. This ordinance shall take effect on and after its passage and publication.

Dated at Green Bay, Wisconsin, this _____day of _____, 2022.

APPROVED:

_____
Mayor

ATTEST:

_____
Clerk

ljm

3/15/2022