Board of Public Works

Regular Meeting

Agenda

335 South Broadway
De Pere, WI 54115
https://www.deperewi.gov/

Monday, April 12, 2021 | **7:30 PM** | **GoToMeeting**

Pursuant to Wisconsin Statutes 19.84, Notice is hereby given to the public that a meeting of the **Board of Public Works** of the City of De Pere will be held on **April 12, 2021** at **7:30 PM.**

Due to the current public health emergency, the meeting will be held electronically and the public may attend this meeting electronically or telephonically by accessing either:

Please join my meeting from your computer, tablet or smartphone.
https://www.gotomeet.me/DePere

You can also dial in using your phone.
United States (Toll Free): 1 866 899 4679
United States: +1 (312) 757-3117

Access Code: 154-883-285

THIS MEETING WILL NOT BE HELD IN PERSON.

This meeting may also be rebroadcast on Spectrum Cable Channel 4 and AT&T U-verse Channel 99 throughout the week and available on demand at http://deperecitywi.iqm2.com/.

I. Call to Order

1. Roll Call
2. Public Hearing to Levy Special Assessments
   - i. Notice of Public Hearing
   - ii. Recommendation from the Board of Public Works
   - iii. Final Resolution Authorizing Levying Special Assessments
     1. Consideration and possible action on Resolution #21-01, Final Resolution Authorizing Levying Special Assessments for Storm Sewer Main and/or Laterals

II. Public Comment

III. Items

1. Approval of March 8, 2021 Board of Public Works Meeting Minutes
2. Consideration and possible action regarding Wayfinding and Pedestrian Node Plan
3. Consideration and Possible Action on Requirement for Private Water System Inspection and Maintenance
4. Discuss City Engineer Recommendations for No-Action Parking & Traffic Discussion Items

5. Consideration and possible action on award of Contract 21-01 Sewer and Water Relay and Street Resurfacing*
6. Consideration and possible action on award of Contract 21-02 Erie Street Reconstruction and Utility Relay*
7. Consideration and possible action on award of Contract 21-13 Crackfilling and Seal Coating*
8. Consideration and possible action on award of RFP 21-19 Mudjacking*
9. Consideration and possible action on award of RFP 21-19A Sidewalk Grinding*
10. Consideration and Possible Action on Reservoir Mixers*
11. Consideration and possible action on Leak Detection Survey*

IV. Future Agenda Items

V. Adjournment

***Items with an asterisk require City Council approval.**

Any person wishing to attend this meeting who, because of disability, requires special accommodations should contact the Clerk-Treasurer's office at 339-4050 by Noon, Monday, April 12, 2021 so that arrangements can be made.

Agenda Sent To:

MAYOR
ALDERPERSONS
DEPARTMENT HEADS
ALEXANDRIA HUGHES
ALFRED J & MELISSA L WALKER
AMY L SADEWATER
ANDREA THORPE
ANDREW & SOFIA KRANS
ANDREW M & CHRISTINA L DEKEUSTER
ANTHONY D & KATHERINE J HAMILTON
ANTHONY J LANZ
AVERY G GARCIA, ETAL
BARBARA WOCHE
BEACHWALKER EXPRESS LLC
CASTLE ROCK HOMES LLC
CHRISTOPHER G & ANNETTE EASTMAN
COTTER INVESTMENTS LLC
DAVID P & MICHELLE A SPIERING
DEANNA J PETERSON
DEBORAH L THOMSON
DEBORAH MEYER
DENNIS N & JOANNE H ODONNELL
DWELL RENTAL PROPERTIES LLC
EDWARD P & JUDITH M KASS TRUST AGREEMENT
EMILY SCHULTZ
EPL INVESTMENTS LLC
DE PERE CHAMBER OF COMMERCE
TV, NEWSPAPERS & RADIO
KRESS FAMILY LIBRARY
JULIE MALONEY
JUSTIN M & MIRAN E MATTERN
KATHLEEN SMITS
KENNETH L CLARK
KENNETH M TOUTLOFF II
KENT A & KIMBERLY E THEEL
KODY & MORGAN SEBO
LARRY F & ROBERTA R LONGLAIS
LAURIE J BECKERS
LESLIE A PETERSON
LINDSAY J MUSHYNSKI
MARGARET A CHRIST
MARGARET A MCGINN
MARY MCDONALD
MATTHEW K & ANGELIQUE C WEGMANN
MELISSA A SCHUETTE
MELISSA HAEVERS
MICHAEL D & NANCY L LEMAY
MICHIELS BONNIE J SURVIVOR'S TRUST
MOSTEK ROBERTA L REVOCABLE TRUST
NEW HORIZON ENTERPRISES LLC
PENNY A SMITH
PETER LEMPEREUR

ERIC S KORDES
EUGENE L & KATHERINE A FORREST
GARY W MARTIN
GERALD H & SARAH J CEGELSKI

JANE E GANTENBEIN
JASON & SADIE BUBOLTZ-DUBS
JEAN A WEAVER
JENNIFER R CLASSON
JENNIFER SOLCZ
JEREMY D MILLER
JODIE L GEHM
JOHN J & SHIELA MAE HOLDER
DORNER, INC
ASPHALT SEAL & REPAIR, INC
UNIVERSAL CONCRETE GRINDING, LLC

PHILLIP MULLINS JR
RACHAEL M GILBERTSON
RICK A & THERESA A VANENKEVORT
SCOTT L & DEBORAH L RUGGLES
SMULLEN MICHAEL J & SUSAN K REVOCABLE TRUST
STEPHANIE L & CYNTHIA M MOSTEK
STEVEN & LYNNE SMET
STEVEN P & DEANNA J SULLIVAN
THOMAS & JOAN KIELY
THOMAS R & SUZANNE M VANDELIST
VANROY NANCY L REVOCABLE TRUST
WILLIAM REID LTD
JOSSART BROTHERS, INC
BADGER CONCRETE LIFTING, LLC
FERGUSON WATERWORKS SERVICES

Notice is hereby given that a majority of the members of the Common Council of the City of De Pere may attend this meeting to gather information about a subject (s) over which they have decision-making responsibility.

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**April 12, 2021**
DEPARTMENT:	**Board of Public Works**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on Resolution #21-01, Final Resolution Authorizing Levying Special Assessments for Storm Sewer Main and/or Laterals**

ATTACHMENTS:

- 2021 0412 CI_BOPW_Storm_Lateral_Final_Assessment (PDF)
- BPW Final Resolution 21-01 (PDF)
- Schedule_B (PDF)
- Schedule_C (PDF)
- Schedule_D (PDF)
- N. Winnebago Street Assessment Map (PDF)
- N. Erie Street & James Street Assessment Map (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: April 12, 2021

RE: **Resolution 21-01, Final Resolution Authorizing Levying Special Assessment for Storm Sewer Main and/or Laterals**

The purpose for this item is to approve a final resolution for special assessments for storm sewer main and/or storm lateral construction associated with street resurfacing and reconstruction in 2021.

Background

The City is performing the following construction in 2021 that includes the installation of new storm sewer main and/or storm laterals:

- N. Winnebago Street from Fulton Street to Ridgeway Boulevard
- N. Erie Street from George Street to Ridgeway Boulevard
- James Street from N. Erie Street to N. Huron Street

Storm sewer lateral installation on N. Erie Street and James Street conforms to the City Municipal Code Section 26-5-5(b) which states:

> *"(1) Installation. Storm sewer main and lateral installation to each lot of record shall be constructed at the time of street reconstruction in those streets which do not have storm sewer. The location of the lateral installation shall be as determined by the City Engineer or designee."*

The City has had drainage issues in the areas of N. Winnebago Street over the last few years. Because of this, storm sewer laterals are being installed to properties within these blocks. The installation of storm laterals conforms to the City Municipal Code Section 26-5-5(c) which states:

> *"(1) Installation. Storm sewer main and lateral installation to each lot of record shall be constructed at during street resurfacing improvements when:*
> *a. Requested by a property owner along the street to be resurfaced; or*
> *b. When ordered by the Director of Public Works to address drainage issues.*
> *The location of the lateral installation shall be as determined by the City Engineer or designee."*

Assessments for these services were calculated per City Municipal Code Section 13-7. As calculated per Municipal Code Section 13-7 and approved by the Board of Public Works, the costs for the 2021 storm sewer special assessments are as follows:

- Residential Properties
  - Storm Lateral Assessment - $1,739.52
  - Storm Main Assessment - $498.10
- Non-Residential Properties
  - Storm Main Assessment - $8.72
  - 6-inch Storm Lateral Assessment - $2,002.20
  - 8-inch Storm Lateral Assessment - $3,240.52
  - 12-inch Storm Lateral Assessment - $3,701.26

The locations impacted by storm sewer assessments include:

- N. Winnebago Street from Fulton Street to Ridgeway Boulevard
- N. Erie Street from George Street to Ridgeway Boulevard
- James Street from N. Erie Street to N. Huron Street

Property owners have been notified several times of this project including:

- January 25, 2021: Letters sent notifying property owners of storm sewer assessments and public information meeting.
- February 2, 2021: Public information meeting notifying property owners of storm sewer assessments.
- March 1, 2021: Letter sent notifying property owners of preliminary assessment amount and invitation to Board of Public Works meetings on March 8, 2021 and April 12, 2021.
- March 2, 2021: Letter sent notifying property owners of preliminary assessment amount and invitation to Board of Public Works meetings on March 8, 2021 and April 12, 2021.
- March 30, 2021: Letter sent to property owners of the public hearing and final resolution at the Board of Public Works meeting.

In addition to these notifications, Public Works has created a webpage on the City's website dedicated to providing information on storm sewer assessments. That information can be found at www.deperewi.gov/stormsewer.

Code Section 13-7(d)(1)(d) further identifies procedures and pay options for the storm sewer and special assessments as follows:

"d. Public hearing. The board shall hold a public hearing on the assessments and after the hearing may by resolution approve, disapprove, modify or refer the report with such directions as it deems necessary. The board shall provide for the following payment alternatives if it determines to assess for any of the improvements:

i. No interest imputed if payment of assessment made in full within 30 days of invoice;

ii. Payment in such number of yearly installments as deemed reasonable by the board, together with interest thereon at the rate of one percent over the interest rate paid by the city on its latest bonding issue, with payment in full due upon transfer of the property;

iii. Deferred payment of assessment with interest to accrue at the rate of one percent over the interest rate paid by the city on its last bond issue, with the total becoming due on the earliest of the following:

A. Transfer of the benefited property to any other person or entity:

B. Subdivision of the benefited property;
C. Connection to the storm sewer;
D. The expiration of 25 years from the date of adoption of the final assessment resolution, at which time the assessment plus accrued interest shall be made in full against the benefited property.

iv. Interest on alternatives ii. and iii. Above shall stop accruing after a period of ten years."

Note under item ii. the Board of Public Works can establish a number of yearly establishments for payback. Also, under iii., property owners are not required to pay until they connect to the storm lateral, sell or subdivide the property, or 25 years, whichever occurs first.

Recommendation

Staff recommends that the Board of Public Works adopt the final resolution. The Board of Public Works

Attachments

BPW Resolution 21-01 (PDF)
Schedule B (PDF)
Schedule C (PDF)
Schedule D (PDF)
N. Winnebago Street Assessment Map (PDF)
N. Erie Street & James Street Assessment Map (PDF)

RESOLUTION BOPW #21-01

FINAL RESOLUTION AUTHORIZING STORM SEWER MAIN AND/OR LATERAL CONSTRUCTION AND LEVYING SPECIAL ASSESSMENTS AGAINST BENEFITED PROPERTY
(WINNEBAGO STREET, ERIE STREET AND JAMES STREET)

WHEREAS, the Board of Public Works of the City of De Pere having declared its intention to exercise its police power to levy special assessments pursuant to Wis. Stats. §66.0703, for improvements constructed within the areas described below and special assessments to be levied on a reasonable basis upon the property benefited thereby. Said improvements to include storm sewer main and/or laterals. Said improvements shall be constructed in, and the properties benefiting therefrom are contained within, the following described areas or abutting streets:

STORM SEWER MAIN AND LATERALS

Both Sides of N. Winnebago Street from Fulton Street to Ridgeway Boulevard
Both Sides of N. Erie Street from George Street to Ridgeway Boulevard
Both Sides of James Street from N. Erie Street to N. Huron Street

WHEREAS, the Board of Public Works has published a Notice of Public Hearing regarding such improvements and, pursuant thereto, a public hearing has been held at the City Hall Council Chambers on the 12th day of April, 2021 at 7:30 p.m., whereupon the Board of Public Works heard all interested parties or their agents or attorneys;

NOW, THEREFORE, BE IT HEREBY RESOLVED, by the Board of Public Works of the City of De Pere, Wisconsin, that:

1. The report of the Board of Public Works of the City of De Pere, as compiled by the Director of Public Works, pertaining to the construction of the above described improvements, including plans and specifications therefore is hereby adopted and approved.

2. The Board of Public Works, based on its view of the property and its review of such report, determines that the above described properties are benefited by such public improvements and that the benefits and amounts assessed against each parcel on the basis shown in the report, representing an exercise of police power, are determined to be on a reasonable basis and are hereby confirmed and approved.

3. Payment for the public improvements shall be made by assessing the cost therefore against the above described benefited properties as indicated in such report.

4. The assessments hereby levied for said improvements shall be:

(1) paid in cash within thirty (30) days of invoice; or

(2) paid in five (5) annual installments, together with interest on the unpaid balance at a rate of 3.365% if payment starts the year invoiced; or

(3) deferred with interest to accrue at the rate of 3.365% with the total becoming due on the earliest of the following:
   i. Transfer of the benefited property to any other person or entity;
   ii. Subdivision of the benefitted property;
   iii. Connection to the storm sewer;
   iv. The expiration of 25 years from the date of the adoption of the final assessment resolution, at which time the full assessment against the benefited property, plus accrued interest, shall be made in full.

Interest on alternatives shall stop accruing after a period of ten years.

5. The total amount assessed benefited properties shall not exceed the total cost of the improvements.

6. The Clerk-Treasurer is hereby directed to publish this resolution in the Green Bay Press Gazette as a Class 1 Notice.

7. The Clerk-Treasurer is further directed to mail a copy of this resolution to the property owners whose names appear on the assessment roll whose address is known or can, with reasonable diligence, be ascertained.

8. If any section, sentence, or clause of this resolution or any special assessment set forth or referenced herein shall be declared invalid for any reason whatsoever, such decision shall not affect the remaining sections or assessments approved herein, which shall remain in full force and effect.

9. This resolution shall remain in full force and effect from and after its passage and publication according to law.

Adopted by the Board of Public Works of the City of De Pere, Wisconsin, this 12th day of April, 2021.

APPROVED:

_____

James Boyd, Mayor and Chair of the Board
Of Public works

Ayes: _____

Nays:_____

SCHEDULE B

EXISTING DEVELOPMENT RESIDENTIAL

UP TO TWO UNITS PER BUILDING

Schedule B
Storm Sewer Cost Evaluation - Residential
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Mainline Cost

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-03	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	1,248.0	$50.00	$62,400.00	
18-01	ST-06	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer (Granular Backfill)	LF	59.3	$51.00	$3,024.30	
18-02	ST-06	Provide 12" PVC or RCP Class III Storm Sewer	LF	936.0	$52.76	$49,383.36	
18-11	ST-04	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	117.5	$58.00	$6,815.00	
18-11	ST-05	Provide 12" PVC or RCP (Class III) Storm Sewer (Natural Backfill)	LF	86.0	$48.00	$4,128.00	
18-11	ST-06	Provide 12" PVC or RCP (Class III) Storm Sewer (Granular Backfill)	LF	24.0	$58.00	$1,392.00	
19-01	ST-02	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	342.7	$51.00	$17,477.70	
19-01	ST-03	Remove and Relay 12" PVC, RCP (Class III), or PP Storm Sewer	LF	120.6	$53.00	$6,391.80	
19-18	ST-01	Remove and Replace 12" PVC or RCP (Class III) Storm Sewer	LF	207.0	$78.00	$16,146.00	
20-01A	ST-04	Remove and Relay 12" PVC or RCP Class III Storm Sewer	LF	150.0	$68.00	$10,200.00	
20-01B	ST-05	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	321.0	$100.00	$32,100.00	
20-01B	ST-06	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	190.0	$66.00	$12,540.00	
20-02	ST-04	Provide 12" PVC or RCP Class III Storm Sewer	LF	111.5	$110.00	$12,265.00	
20-06	ST-01	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	60.0	$83.00	$4,980.00	
20-07	ST-02	Remove and Relay 12-inch PVC or RCP (Class III) Storm Sewer	LF	185.5	$72.36	$13,422.78	
20-07	ST-03	Provide 12-inch PVC or RCP (Class III) Storm Sewer	LF	127.0	$72.36	$9,189.72	
Total				4286.1		$261,855.66	
Average Cost Per Foot						**$61.09**	

Schedule B
Storm Sewer Cost Evaluation - Residential
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Lateral Cost

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-08	Provide 6" Storm Sewer Lateral	LF	1,049.0	$34.00	$35,666.00	
18-02	ST-09	Provide 6" PVC Storm Sewer Lateral	LF	529.0	$33.10	$17,509.90	
18-07	ST-01	Provide 6" PVC Storm Sewer Lateral	LF	108.0	$35.00	$3,780.00	
18-11	ST-07	Provide 6" PVC Storm Sewer Lateral	LF	3.0	$51.00	$153.00	
19-01	ST-05	Provide 6" PVC Storm Sewer Lateral	LF	2,139.3	$44.00	$94,129.20	
20-01A	ST-06	Provide 6" PVC Storm Sewer	LF	616.3	$50.00	$30,815.00	
20-01B	ST-10	Provide 6" PVC Storm Sewer Lateral	LF	2,141.0	$48.00	$102,768.00	
20-01B	ST-11	Remove and Relay 6" PVC Storm Sewer Lateral	LF	11.0	$48.00	$528.00	
20-02	ST-07	Provide 6" PVC Storm Sewer Lateral	LF	84.0	$85.00	$7,140.00	
Total				6680.6		$292,489.10	
Average Cost Per Foot						$43.78	
Average Cost per Lot at 30 Feet of Lateral (100% to Resident)						**$1,313.40**	Average length of lateral is based on a 60 foot right of way and several laterals being connected to inlets.

Storm Wye Cost

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-10	Provide 12"x6" Storm Branch or Inserta Tee	EA	28	$165.00	$4,620.00	
18-02	ST-11	Provide 30"x6" Storm Sewer Branch or Inserta Tee	EA	5	$279.27	$1,396.35	
18-02	ST-12	Provide 24"x6" Storm Sewer Branch or Inserta Tee	EA	5	$306.03	$1,530.15	
18-02	ST-13	Provide 21"x6" Storm Sewer Branch or Inserta Tee	EA	2	$291.89	$583.78	
18-02	ST-14	Provide 18"x6" Storm Sewer Branch or Inserta Tee	EA	2	$291.89	$583.78	
18-02	ST-15	Provide 15"x6" Storm Sewer Branch or Inserta Tee	EA	2	$291.89	$583.78	
18-02	ST-16	Provide 12"x6" Storm Sewer Branch or Inserta Tee	EA	2	$309.06	$618.12	
18-11	ST-08	Provide 12"x6" Storm Branch or Inserta Tee	EA	1	$300.00	$300.00	
19-01	ST-07	Provide 8"x6" Storm Branch or Inserta Tee	EA	58	$80.00	$4,640.00	
20-01A	ST-07	Provide 8" x 6" Storm Branch or Inserta Tee	EA	20	$70.00	$1,400.00	
20-01B	ST-13	Provide 30" x 6" Storm Branch or Inserta Tee	EA	5	$250.00	$1,250.00	
20-01B	ST-14	Provide 24" x 6" Storm Branch or Inserta Tee	EA	13	$200.00	$2,600.00	
20-01B	ST-15	Provide 21" x 6" Storm Branch or Inserta Tee	EA	3	$200.00	$600.00	
20-01B	ST-16	Provide 15" x 6" Storm Branch or Inserta Tee	EA	4	$200.00	$800.00	
20-01B	ST-17	Provide 8" x 6" Storm Branch or Inserta Tee	EA	35	$100.00	$3,500.00	
20-02	ST-08	Provide 29" x 45" x 6" Tee or 6" Inserta Tee	EA	1	$200.00	$200.00	
20-02	ST-09	Provide 24" x 38" x 6" Tee or 6" Inserta Tee	EA	2	$200.00	$400.00	
Total				188		$25,605.96	
Average Cost Per Wye						**$136.20**	

Schedule B
Storm Sewer Cost Evaluation - Residential
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Storm Sewer Manhole

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-13	Provide 4' Diameter Storm Manhole	VF	32.48	$507.00	$16,467.36	
18-01	ST-16	Remove and Replace 4' Diameter Storm Manhole	VF	5.20	$450.00	$2,340.00	
18-02	ST-18	Provide 4' Diameter Storm Manhole	VF	91.23	$401.41	$36,620.63	
18-11	ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	3.80	$435.00	$1,653.00	
18-11	ST-10	Provide 4' Diameter Storm Manhole	VF	11.90	$365.00	$4,343.50	
19-01	ST-08	Provide 4' Diameter Storm Manhole	VF	68.30	$690.00	$47,127.00	
19-01	ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	9.27	$600.00	$5,562.00	
19-18	ST-02	Remove and Replace 4' Diameter Storm Manhole	VF	7.50	$450.00	$3,375.00	
20-01A	ST-12	Provide 4' Diameter Storm Manhole	VF	9.90	$450.00	$4,455.00	
20-01A	ST-13	Remove and Replace 4' Diameter Storm Manhole	VF	3.83	$450.00	$1,723.50	
20-01B	ST-20	Remove and Replace 4' Diameter Storm Manhole	VF	64.86	$415.00	$26,916.90	
20-01B	ST-21	Provide 4' Diameter Storm Manhole	VF	27.44	$415.00	$11,387.60	
20-02	ST-13	Provide 4' Diameter Storm Manhole	VF	4.70	$600.00	$2,820.00	
20-07	ST-04	Remove and Replace 4-foot Diameter Storm Manhole	VF	6.72	$523.62	$3,518.73	
Total				347.13		$168,310.22	
Cost Per Foot						$484.86	
Cost for a 5 foot Deep Manhole						$2,424.30	
Average Per Foot Cost with a 300 Foot Spacing						**$8.08**	

SCHEDULE B

EXISTING DEVELOPMENT OTHER THAN RESIDENTIAL

UP TO TWO UNITS PER BUILDING

Schedule B

2021 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building

Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.

City of De Pere

Date: 1/15/2021

Mainline Cost

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-02	ST-04	Provide 18" PVC , RCP Class III, or PP Storm Sewer	LF	260.0	$52.74	$13,712.40	
19-01	ST-01	Remove and Relay 18" PVC or RCP (Class III) Storm Sewer	LF	25.0	$65.00	$1,625.00	
20-02	ST-03	Provide 18" PVC, RCP Class III, or PP Storm Sewer	LF	38.0	$120.00	$4,560.00	
20-07	ST-01	Remove and Relay 18-inch PVC, RCP (Class III), or PP Storm Sewer	LF	57.0	$81.41	$4,640.37	
Total				380.0		$24,537.77	
Average Cost Per Foot						**$64.57**	

Schedule B

2021 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building

Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.

City of De Pere

Date: 1/15/2021

Storm Sewer Manhole

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-13	Provide 4' Diameter Storm Manhole	VF	32.48	$507.00	$16,467.36	
18-01	ST-16	Remove and Replace 4' Diameter Storm Manhole	VF	5.20	$450.00	$2,340.00	
18-02	ST-18	Provide 4' Diameter Storm Manhole	VF	91.23	$401.41	$36,620.63	
18-11	ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	3.80	$435.00	$1,653.00	
18-11	ST-10	Provide 4' Diameter Storm Manhole	VF	11.90	$365.00	$4,343.50	
19-01	ST-08	Provide 4' Diameter Storm Manhole	VF	68.30	$690.00	$47,127.00	
19-01	ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	9.27	$600.00	$5,562.00	
19-18	ST-02	Remove and Replace 4' Diameter Storm Manhole	VF	7.50	$450.00	$3,375.00	
20-01A	ST-12	Provide 4' Diameter Storm Manhole	VF	9.90	$450.00	$4,455.00	
20-01A	ST-13	Remove and Replace 4' Diameter Storm Manhole	VF	3.83	$450.00	$1,723.50	
20-01B	ST-20	Remove and Replace 4' Diameter Storm Manhole	VF	64.86	$415.00	$26,916.90	
20-01B	ST-21	Provide 4' Diameter Storm Manhole	VF	27.44	$415.00	$11,387.60	
20-02	ST-13	Provide 4' Diameter Storm Manhole	VF	4.70	$600.00	$2,820.00	
20-07	ST-04	Remove and Replace 4-foot Diameter Storm Manhole	VF	6.72	$523.62	$3,518.73	
Total				347.13		$168,310.22	
Cost Per Vertical Foot						$484.86	
Cost for a 5 foot Deep Manhole						$2,424.30	
Average Per Foot Cost with a 300 Foot Spacing						**$8.08**	

Schedule B
2021 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Lateral Cost

Lateral 6"

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-08	Provide 6" Storm Sewer Lateral	LF	1,049.0	$34.00	$35,666.00	
18-02	ST-09	Provide 6" PVC Storm Sewer Lateral	LF	529.0	$33.10	$17,509.90	
18-07	ST-01	Provide 6" PVC Storm Sewer Lateral	LF	108.0	$35.00	$3,780.00	
18-11	ST-07	Provide 6" PVC Storm Sewer Lateral	LF	3.0	$51.00	$153.00	
19-01	ST-05	Provide 6" PVC Storm Sewer Lateral	LF	2,139.3	$44.00	$94,129.20	
20-01A	ST-06	Provide 6" PVC Storm Sewer	LF	616.3	$50.00	$30,815.00	
20-01B	ST-10	Provide 6" PVC Storm Sewer Lateral	LF	2,141.0	$48.00	$102,768.00	
20-01B	ST-11	Remove and Relay 6" PVC Storm Sewer Lateral	LF	11.0	$48.00	$528.00	
20-02	ST-07	Provide 6" PVC Storm Sewer Lateral	LF	84.0	$85.00	$7,140.00	
Total				6,680.6		$292,489.10	
Average Cost Per Foot						$43.78	
Average Cost per Lot at 35 Feet of Lateral (100% to Owner)						**$1,532.30**	Average length of lateral is based on a 70 foot right of way.

Lateral 8"

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-02	ST-07	Provide 8" PVC Storm Sewer	LF	53.0	$36.85	$1,953.05	
18-02	ST-08	Provide 8" PVC Storm Sewer Lateral	LF	48.0	$40.40	$1,939.20	
19-01	ST-04	Provide 8" PVC Storm Sewer	LF	2,455.0	$46.00	$112,930.00	
20-01A	ST-05	Provide 8" PVC Storm Sewer	LF	773.0	$55.00	$42,512.80	
20-01B	ST-08	Provide 8" PVC Storm Sewer	LF	1,757.0	$50.00	$87,850.00	
20-02	ST-05	Provide 8" PVC Storm Sewer	LF	47.0	$135.00	$6,345.00	
20-02	ST-06	Provide 8" PVC Storm Sewer Lateral	LF	68.0	$105.00	$7,140.00	
Total				5,201.0		$260,670.05	
Average Cost Per Foot						$50.12	
Average Cost per Lot at 35 Feet of Lateral (100% to Owner)						**$1,754.20**	Average length of lateral is based on a 70 foot right of way.

Schedule B

2021 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building

Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.

City of De Pere

Date: 1/15/2021

Lateral Cost

Lateral 12"

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-03	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	1,248.0	$50.00	$62,400.00	
18-01	ST-06	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer (Granular Backfill)	LF	59.3	$51.00	$3,024.30	
18-02	ST-06	Provide 12" PVC or RCP Class III Storm Sewer	LF	936.0	$52.76	$49,383.36	
18-11	ST-04	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	117.5	$58.00	$6,815.00	
18-11	ST-05	Provide 12" PVC or RCP (Class III) Storm Sewer (Natural Backfill)	LF	86.0	$48.00	$4,128.00	
18-11	ST-06	Provide 12" PVC or RCP (Class III) Storm Sewer (Granular Backfill)	LF	24.0	$58.00	$1,392.00	
19-01	ST-02	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	342.7	$51.00	$17,477.70	
19-01	ST-03	Remove and Relay 12" PVC, RCP (Class III), or PP Storm Sewer	LF	120.6	$53.00	$6,391.80	
19-18	ST-01	Remove and Replace 12" PVC or RCP (Class III) Storm Sewer	LF	207.0	$78.00	$16,146.00	
20-01A	ST-04	Remove and Relay 12" PVC or RCP Class III Storm Sewer	LF	150.0	$68.00	$10,200.00	
20-01B	ST-05	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	321.0	$100.00	$32,100.00	
20-01B	ST-06	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	190.0	$66.00	$12,540.00	
20-02	ST-04	Provide 12" PVC or RCP Class III Storm Sewer	LF	111.5	$110.00	$12,265.00	
20-06	ST-01	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	60.0	$83.00	$4,980.00	
20-07	ST-02	Remove and Relay 12-inch PVC or RCP (Class III) Storm Sewer	LF	185.5	$72.36	$13,422.78	
20-07	ST-03	Provide 12-inch PVC or RCP (Class III) Storm Sewer	LF	127.0	$72.36	$9,189.72	
Total				4,286.1		$261,855.66	
Average Cost Per Foot						$61.09	
Average Cost per Lot at 35 Feet of Lateral (100% to Owner)						**$2,138.15**	Average length of lateral is based on a 70 foot right of way.

Schedule B
2021 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Connection Cost

Storm Wye Cost (6")

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-01	ST-10	Provide 12"x6" Storm Branch or Inserta Tee	EA	28	$165.00	$4,620.00	
18-02	ST-11	Provide 30"x6" Storm Sewer Branch or Inserta Tee	EA	5	$279.27	$1,396.35	
18-02	ST-12	Provide 24"x6" Storm Sewer Branch or Inserta Tee	EA	5	$306.03	$1,530.15	
18-02	ST-13	Provide 21"x6" Storm Sewer Branch or Inserta Tee	EA	2	$291.89	$583.78	
18-02	ST-14	Provide 18"x6" Storm Sewer Branch or Inserta Tee	EA	2	$291.89	$583.78	
18-02	ST-15	Provide 15"x6" Storm Sewer Branch or Inserta Tee	EA	2	$291.89	$583.78	
18-02	ST-16	Provide 12"x6" Storm Sewer Branch or Inserta Tee	EA	2	$309.06	$618.12	
18-11	ST-08	Provide 12"x6" Storm Branch or Inserta Tee	EA	1	$300.00	$300.00	
19-01	ST-07	Provide 8"x6" Storm Branch or Inserta Tee	EA	58	$80.00	$4,640.00	
20-01A	ST-07	Provide 8" x 6" Storm Branch or Inserta Tee	EA	20	$70.00	$1,400.00	
20-01B	ST-13	Provide 30" x 6" Storm Branch or Inserta Tee	EA	5	$250.00	$1,250.00	
20-01B	ST-14	Provide 24" x 6" Storm Branch or Inserta Tee	EA	13	$200.00	$2,600.00	
20-01B	ST-15	Provide 21" x 6" Storm Branch or Inserta Tee	EA	3	$200.00	$600.00	
20-01B	ST-16	Provide 15" x 6" Storm Branch or Inserta Tee	EA	4	$200.00	$800.00	
20-01B	ST-17	Provide 8" x 6" Storm Branch or Inserta Tee	EA	35	$100.00	$3,500.00	
20-02	ST-08	Provide 29" x 45" x 6" Tee or 6" Inserta Tee	EA	1	$200.00	$200.00	
20-02	ST-09	Provide 24" x 38" x 6" Tee or 6" Inserta Tee	EA	2	$200.00	$400.00	
Total				188		$25,605.96	
Average Cost Per Wye						**$136.20**	

Core Storm Tee Cost (8" & 12")

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
18-02	ST-10	Provide 30"x8" Storm Sewer Branch or Inserta Tee	EA	2	$489.35	$978.70	
20-06	ST-03	Core Drill Existing Main with NPC Kor-N-Tee	EA	1	$1,860.00	$1,860.00	
Total				3		$2,838.70	
Average Cost Per Connection/Core						**$946.23**	

SCHEDULE C

EXISTING DEVELOPMENT OTHER THAN RESIDENTIAL

UP TO TWO UNITS PER BUILDING

Schedule C
2021 Storm Sewer Cost Evaluation - Residential
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Storm Mainline Cost

Item Description	Cost Per LF	Comment
12" Storm Sewer Main	$61.09	
4' Diameter Storm Manhole	$8.08	300 foot spacing with a 5' depth
Mainline Cost Per Street Foot	$69.17	
Cost Per Side of Street	$34.59	
Cost Per Lot	$2,075.40	60 foot wide lot
Assessable Amount (20%)	$415.08	Remaining 80% funded by Storm Water Utility
Engineering and Administration (20%)	$83.02	
Total Mainline Costs	**$498.10**	

Storm Lateral Cost

Item Description	Cost Per EA	Comment
6" Storm Lateral	$1,313.40	30 foot average length. Some laterals will be connected to inlets.
Storm Wye Cost	$136.20	
Assessable Amount (100%)	$1,449.60	
Engineering and Administration (20%)	$289.92	
Total Lateral Costs	**$1,739.52**	

Total Cost

Mainline	$498.10
Storm Lateral	$1,739.52
Total Cost	**$2,237.62**

Schedule C
2021 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building
Summary Based on 2018-2020 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 1/15/2021

Storm Mainline Cost

Item Description	Cost Per LF	Comment
18" Storm Sewer Main	$64.57	
4' Diameter Storm Manhole	$8.08	300 foot spacing with a 5' depth
Mainline Cost Per Street Foot	$72.65	
Cost Per Side of Street	$36.33	
Assessable Amount (20%)	$7.27	Remaining 80% funded by Storm Water Utility
Engineering and Administration (20%)	$1.45	
Total Mainline Cost Per Front Lot Foot	**$8.72**	

Storm Lateral Cost

Item Description	Cost Per EA	Comment
6" Storm Lateral	$1,532.30	35 foot average length.
Storm Wye Cost	$136.20	
Assessable Amount (100%)	$1,668.50	
Engineering and Administration (20%)	$333.70	
Total Lateral Costs	**$2,002.20**	

Storm Lateral Cost

Item Description	Cost Per EA	Comment
8" Storm Lateral	$1,754.20	35 foot average length.
Storm Wye Cost (Core)	$946.23	Average of cost to core pipe
Assessable Amount (100%)	$2,700.43	
Engineering and Administration (20%)	$540.09	
Total Lateral Costs	**$3,240.52**	

Storm Lateral Cost

Item Description	Cost Per EA	Comment
12" Storm Lateral	$2,138.15	35 foot average length.
Storm Wye Cost (Core)	$946.23	Average of cost to core pipe
Assessable Amount (100%)	$3,084.38	
Engineering and Administration (20%)	$616.88	
Total Lateral Costs	**$3,701.26**	

SCHEDULE D

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS

PRELIMINARY ASSESSMENTS

TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS

LOCATIONS - N ERIE ST FROM GEORGE ST TO RIDGEWAY BLVD, N WINNEBAGO ST FROM FULTON ST TO RIDGEWAY BLVD & JAMES ST FROM N. ERIE ST TO N. HURON ST

RESIDENTIAL ASSESSMENT	
COST PER UNIT - STORM MAIN:	**$498.10**
COST PER UNIT - STORM LATERAL:	**$1,739.52**

NON-RESIDENTIAL ASSESSMENT	
COST PER LINEAR FOOT - STORM MAIN:	**$8.72**
COST PER UNIT - 6" STORM LATERAL:	**$2,002.20**
COST PER UNIT - 8" STORM LATERAL:	**$3,240.52**
COST PER UNIT - 12" STORM LATERAL:	**$3,701.26**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
Project 21-01 Sewer and Water Relay and Street Resurfacing							
Cynthia M & Stephanie L Mostek 1026 Ridgeway Blvd De Pere, WI 54115	606 N Winnebago St ED-1435-14	1	$498.10	1	$1,739.52	$2,237.62	
Michiels Bonnie J Survivor's Trust 607 N Winnebago St De Pere, WI 54115-3058	607 N Winnebago St ED-1435-3	1	$498.10	1	$1,739.52	$2,237.62	
Kody & Morgan Sebo 612 Winnebago St De Pere, WI 54115	612 Winnebago St ED-1435-15	1	$498.10	1	$1,739.52	$2,237.62	
Roberta R & Larry F Longlais 613 N Winnebago St De Pere, WI 54115-3058	613 N Winnebago St ED-1435-2	1	$498.10	1	$1,739.52	$2,237.62	
Avery G Garcia, Etal 619 N. Winnebago St De Pere, WI 54115-3058	619 N Winnebago Street ED-1435-1	1	$498.10	1	$1,739.52	$2,237.62	
Margaret A McGinn 625 N Winnebago St De Pere, WI 54115-3058	625 N Winnebago St ED-29-C	1	$498.10	1	$1,739.52	$2,237.62	
Suzanne M & Thomas R Vandelist 631 N Winnebago St De Pere, WI 54115-3058	631 N Winnebago St ED-29-A	1	$498.10	1	$1,739.52	$2,237.62	
Penny A Smith 637 N Winnebago St De Pere, WI 54115	637 N Winnebago St ED-29-B	0	$0.00	1	$1,739.52	$1,739.52	Has inlet across the street abutting the park.
Jessica E & Jerame J Streichert 705 N Winnebago St De Pere, WI 54115-3060	705 N Winnebago St ED-26-4-3	0	$0.00	0	$0.00	$0.00	Existing 6" Storm Lateral and Storm Main on Winnebago St
Smullen Michael J & Susan K Revocable Trust 706 N Winnebago St De Pere, WI 54115-3061	706 N Winnebago St ED-28	0	$0.00	0	$0.00	$0.00	Existing 6" Storm Lateral and Storm Main on Winnebago St
Deborah L Thomson 711 N Winnebago St De Pere, WI 54115-3060	711 N Winnebago St ED-26-4-4	0	$0.00	0	$0.00	$0.00	Existing 6" Storm Lateral and Storm Main on Winnebago St
Dwell Rental Properties LLC 3032 Autumn Leaves Ci Green Bay, WI 54313	1019 Fulton St ED-1435-4	0	$0.00	1	$1,739.52	$1,739.52	Existing 12" Storm main on Fulton Street
Mostek Roberta L Revocable Trust 1026 Ridgeway Blvd De Pere, WI 54115-3051	1026 Ridgeway Blvd ED-26-4-1	0	$0.00	0	$0.00	$0.00	Existing 8" Storm Lateral and Storm main on Ridgeway
Margaraet A Christ 1105 Fulton Street De Pere, WI 54115-3521	1105 Fulton Street ED-1435-13	0	$0.00	1	$1,739.52	$1,739.52	Existing 12" Storm main on Fulton Street
Deborah L & Scott L Ruggles 1106 Ridgeway Blvd De Pere, WI 54115-3532	1106 Ridgeway Blvd ED-28-1	0	$0.00	1	$1,739.52	$1,739.52	Existing 36" Storm main on Ridgeway Blvd.

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS

PRELIMINARY ASSESSMENTS

TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS

LOCATIONS - N ERIE ST FROM GEORGE ST TO RIDGEWAY BLVD, N WINNEBAGO ST FROM FULTON ST TO RIDGEWAY BLVD & JAMES ST FROM N. ERIE ST TO N. HURON ST

RESIDENTIAL ASSESSMENT	
COST PER UNIT - STORM MAIN:	**$498.10**
COST PER UNIT - STORM LATERAL:	**$1,739.52**

NON-RESIDENTIAL ASSESSMENT	
COST PER LINEAR FOOT - STORM MAIN:	**$8.72**
COST PER UNIT - 6" STORM LATERAL:	**$2,002.20**
COST PER UNIT - 8" STORM LATERAL:	**$3,240.52**
COST PER UNIT - 12" STORM LATERAL:	**$3,701.26**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
Project 20-02 Erie Street Reconstruction & Utility Relay							
Deanna J Peterson 108 N Erie St De Pere, WI 54115	108 N Erie St ED-1090	1	$498.10	1	$1,739.52	$2,237.62	
New Horizon Enterprises LLC 2040 E Higgins Hill De Pere, WI 54115	109 N Erie St ED-1065	0	$0.00	0	$0.00	$0.00	Storm Sewer and Lateral Identified.
EPL Investments LLC PO Box 293 Appleton, WI 54913	114 N Erie St ED-1091	1	$498.10	1	$1,739.52	$2,237.62	
Cotter Investments LLC 800 Webster Ave De Pere, WI 54115	115 N Erie St ED-1064	0	$0.00	0	$0.00	$0.00	Connection to Mini-Sewer on Erie Street
Mary McDonald 121 N Erie St De Pere, WI 54115-2905	121 N Erie St ED-1063	1	$498.10	1	$1,739.52	$2,237.62	
Theresa A & Rick A Vanenkevort 124 N Erie St De Pere, WI 54115-2906	124 N Erie St ED-1092	1	$498.10	1	$1,739.52	$2,237.62	
Alfred J & Melissa L Walker 132 N Erie St De Pere, WI 54115-2906	132 N Erie St ED-1093	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer Inlet at James Street Intersection
Phillip W Mullins Jr 132 N Huron St De Pere, WI 54115-2813	132 N Huron St ED-1072	0	$0.00	0	$0.00	$0.00	Lateral installed during Project 17-02.
Jeremy D Miller 202 N Erie St De Pere, WI 54115-2908	202 N Erie St ED-1081	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Peter J Lempereur 202 N Huron St De Pere, WI 54115-2815	202 N Huron St ED-1076	0	$0.00	0	$0.00	$0.00	Lateral installed during Project 17-02.
Gary W Martin 206 N Erie St De Pere, WI 54115-2908	206 N Erie St ED-1082	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Kenneth M Toutloff II 209 N Erie St De Pere, WI 54115	209 N Erie St ED-1074	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Laurie J Beckers 212 N Erie St De Pere, WI 54115-2908	212 N Erie St ED-1082-1	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
John P Ronski 901 Cherry St Wausau WI, 54401-2003	215 N Erie St ED-1073	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Kathleen Smits 430 N Erie St De Pere, WI 54115	430 N Erie St ED-533	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS

PRELIMINARY ASSESSMENTS

TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS

LOCATIONS - N ERIE ST FROM GEORGE ST TO RIDGEWAY BLVD, N WINNEBAGO ST FROM FULTON ST TO RIDGEWAY BLVD & JAMES ST FROM N. ERIE ST TO N. HURON ST

RESIDENTIAL ASSESSMENT	
COST PER UNIT - STORM MAIN:	**$498.10**
COST PER UNIT - STORM LATERAL:	**$1,739.52**

NON-RESIDENTIAL ASSESSMENT	
COST PER LINEAR FOOT - STORM MAIN:	**$8.72**
COST PER UNIT - 6" STORM LATERAL:	**$2,002.20**
COST PER UNIT - 8" STORM LATERAL:	**$3,240.52**
COST PER UNIT - 12" STORM LATERAL:	**$3,701.26**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
Project 20-02 Erie Street Reconstruction & Utility Relay							
Deborah Meyer 431 N Erie St De Pere, WI 54115	431 N Erie St ED-523	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Jean A Weaver 436 N Erie St De Pere, WI 54115-2910	436 N Erie St ED-534	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Lynne & Steven Smet 365 Iroquois Ave Green Bay, WI 54301-1919	437 N Erie St ED-522	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Jane E Gantenbein 443 N Erie St De Pere, WI 54115	443 N Erie St ED-521	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Katherine A & Eugene L Forrest 448 N Erie St De Pere, WI 54115-2910	448 N Erie St ED-535	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Rachael M Gilbertson 450 N Erie St De Pere, WI 54115-2910	450 N Erie St ED-537-1	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Deanna J & Steven P Sullivan 503 N Erie St De Pere, WI 54115-3001	503 N Erie St ED-514	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Guinness Development LLC 2222 American Blvd De Pere, WI 54115	509 N Erie St ED-513	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Nancy L & Michael D Lemay 512 N Erie St De Pere, WI 54115-3002	512 N Erie St ED-545	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Guinness Development LLC 2222 American Blvd De Pere, WI 54115	515 N Erie St ED-512	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Melissa A Schuette 518 N Erie St De Pere, WI 54115	518 N Erie St ED-546	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Angelique C & Matthew K Wegmann 521 N Erie St De Pere, WI 54115-3001	521 N Erie St ED-511	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Jennifer R Classon 526 N Erie St De Pere, WI 54115-3002	526 N Erie St ED-547	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Lindsay J Mushynski 1620 Rusk St De Pere, WI 54115	527 N Erie St ED-510	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Christina L & Andrew M DeKeuster 602 N Erie St De Pere, WI 54115-3004	602 N Erie St ED-552	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS

PRELIMINARY ASSESSMENTS

TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS

LOCATIONS - N ERIE ST FROM GEORGE ST TO RIDGEWAY BLVD, N WINNEBAGO ST FROM FULTON ST TO RIDGEWAY BLVD & JAMES ST FROM N. ERIE ST TO N. HURON ST

RESIDENTIAL ASSESSMENT	
COST PER UNIT - STORM MAIN:	**$498.10**
COST PER UNIT - STORM LATERAL:	**$1,739.52**

NON-RESIDENTIAL ASSESSMENT	
COST PER LINEAR FOOT - STORM MAIN:	**$8.72**
COST PER UNIT - 6" STORM LATERAL:	**$2,002.20**
COST PER UNIT - 8" STORM LATERAL:	**$3,240.52**
COST PER UNIT - 12" STORM LATERAL:	**$3,701.26**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
Project 20-02 Erie Street Reconstruction & Utility Relay							
Miran E & Justin M Mattern 614 N Erie St De Pere, WI 54115-3004	614 N Erie St ED-553	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Annette & Christopher G Eastman 618 N Erie St De Pere, WI 54115-3004	618 N Erie St ED-554	0	$0.00	0	$0.00	$0.00	Storm Sewer and Lateral Identified.
Barbara Woche 621 N Erie St De Pere, WI 54115-3003	621 N Erie St ED-503	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Eric S Kordes 624 N Erie St De Pere, WI 54115	624 N Erie St ED-573	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Anthony J Lanz 625 N Erie St De Pere, WI 54115-3003	625 N Erie St ED-570	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Julie Maloney 631 N Erie St De Pere, WI 54115	631 N Erie St ED-571	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
VanRoy Nancy L Revocable Trust 632 N Erie St De Pere, WI 54115-3004	632 N Erie St ED-574	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Kenneth L Clark 635 N Erie St De Pere, WI 54115-3003	635 N Erie St ED-572	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Shiela Mae E & John J Holder 636 N Erie St De Pere, WI 54115-3004	636 N Erie St ED-575	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Kimberly E & Kent A Theel 702 N Erie St De Pere, WI 54115-3006	702 N Erie St ED-124-H-6	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Andrea Thorpe 703 N Erie St De Pere, WI 54115-3005	703 N Erie St ED-124-H-5	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Joanne H & Dennis N O'Donnell 706 N Erie St De Pere, WI 54115-3006	706 N Erie St ED-124-H-7	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Amy L Sadewater 707 N Erie St De Pere, WI 54115-3005	707 N Erie St ED-124-H-4	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Jennifer Solcz 1126 Pleasant Valley Dr Oneida, WI 54155-8634	712 N Erie St ED-124-H-8	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Sofia & Andrew Krans 941 Lawton Pl De Pere, WI 54115	713 N Erie St ED-124-H-3	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS

PRELIMINARY ASSESSMENTS

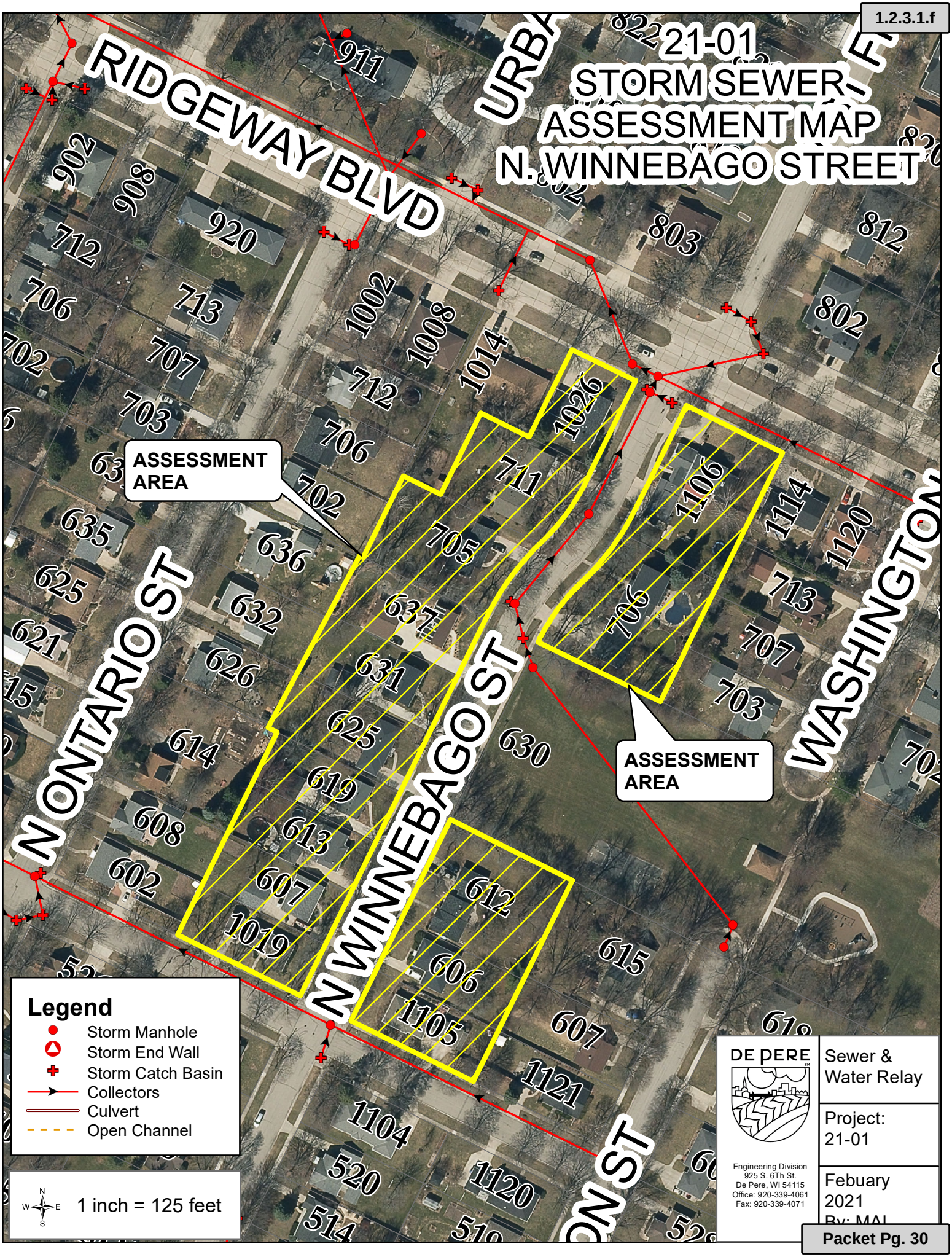
TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS

LOCATIONS - N ERIE ST FROM GEORGE ST TO RIDGEWAY BLVD, N WINNEBAGO ST FROM FULTON ST TO RIDGEWAY BLVD & JAMES ST FROM N. ERIE ST TO N. HURON ST

RESIDENTIAL ASSESSMENT	
COST PER UNIT - STORM MAIN:	**$498.10**
COST PER UNIT - STORM LATERAL:	**$1,739.52**

NON-RESIDENTIAL ASSESSMENT	
COST PER LINEAR FOOT - STORM MAIN:	**$8.72**
COST PER UNIT - 6" STORM LATERAL:	**$2,002.20**
COST PER UNIT - 8" STORM LATERAL:	**$3,240.52**
COST PER UNIT - 12" STORM LATERAL:	**$3,701.26**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
Project 20-02 Erie Street Reconstruction & Utility Relay							
Alexandria Hughes 814 James St De Pere, WI 54115	814 James St ED-1061	1	$498.10	1	$1,739.52	$2,237.62	
Emily Schultz 920 Franklin St De Pere, WI 54115-3044	820 Franklin St ED-520	1	$498.10	1	$1,739.52	$2,237.62	
Katherine J & Anthony D Hamilton 820 James St De Pere, WI 54115-2921	820 James St ED-1062	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
New Horizon Enterprises LLC 2040 E Higgins Hill De Pere, WI 54115	821 George St ED-1066	0	$0.00	0	$0.00	$0.00	Storm Sewer and Lateral Identified.
Castle Rock Homes LLC 1385 Castle Rock Ct De Pere, WI 54115	821 James Street ED-1075	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Michelle A & David P Spiering 822 Ridgeway Blvd De Pere, WI 54115-3029	822 Ridgeway Blvd ED-124-H-2	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Jodie L Gehm PO Box 2 De Pere, WI 54115	823 Fulton St ED-504	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Sarah J & Gerald H Cegelski 902 Ridgeway Blvd De Pere, WI 54115-3031	902 Ridgeway Blvd ED-124-H-9	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Leslie A Peterson 903 Franklin St De Pere, WI 54115-3007	903 Franklin St ED-543-1	0	$0.00	1	$1,739.52	$1,739.52	Storm Sewer on N. Erie Street.
Beachwalker Express LLC 905 George St De Pere, WI 54115	905 George St ED-1089	0	$0.00	0	$0.00	$0.00	Storm Sewer on N. Erie Street.
		13	$6,475.30	59	$102,631.68	$109,106.98	



DE PERE

Engineering Division
925 S. 6Th St.
De Pere, WI 54115
Office: 920-339-4061
Fax: 920-339-4071

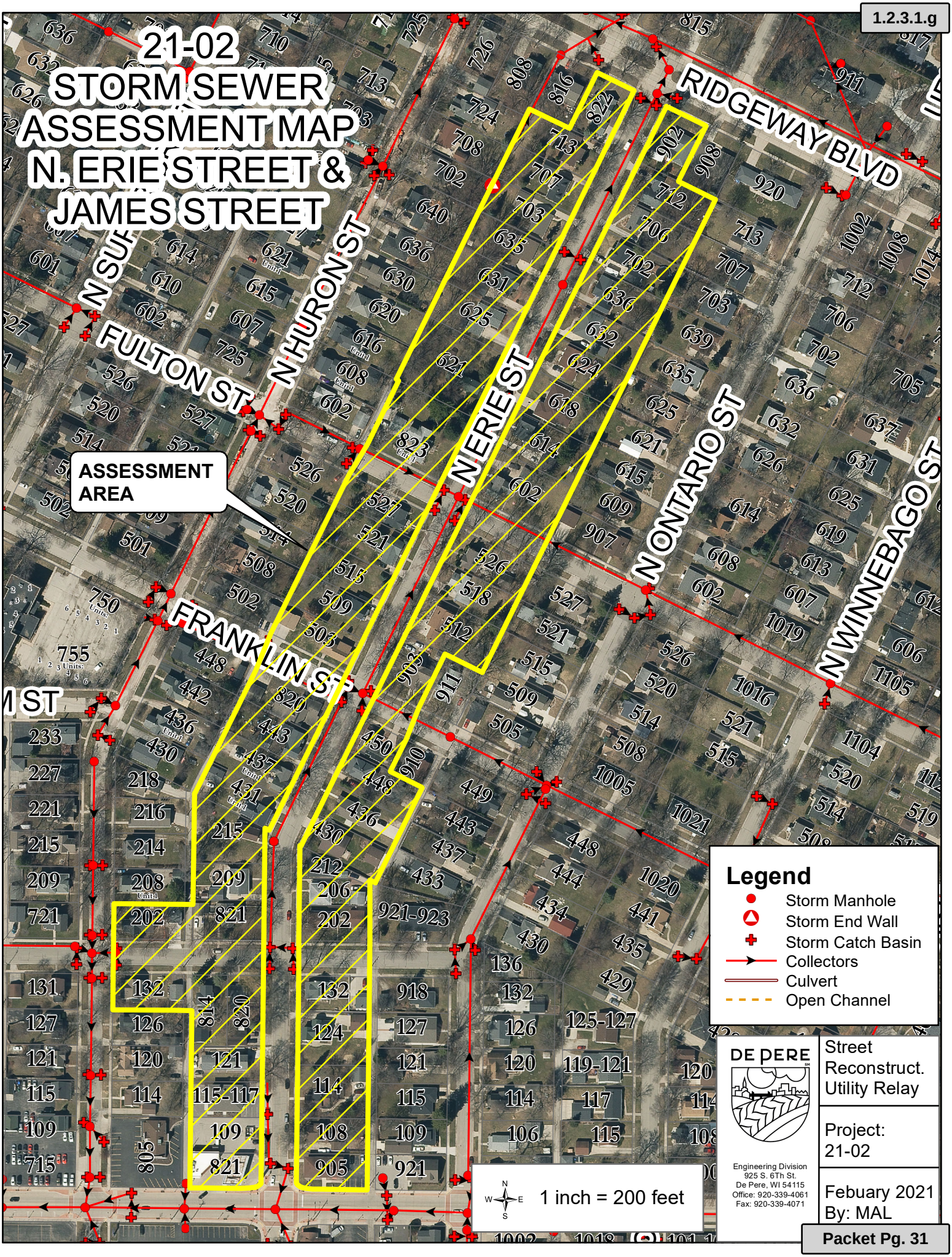
Sewer & Water Relay

Project: 21-01

Febuary 2021

By: MAL

21-02 STORM SEWER ASSESSMENT MAP N. ERIE STREET & JAMES STREET



DE PERE

Engineering Division
925 S. 6Th St.
De Pere, WI 54115
Office: 920-339-4061
Fax: 920-339-4071

Street Reconstruct. Utility Relay

Project: 21-02

Febuary 2021
By: MAL

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**April 12, 2021**
DEPARTMENT:	**Board of Public Works**
FROM:	**Betty Sellenheim**
SUBJECT:	**Approval of March 8, 2021 Board of Public Works Meeting Minutes**

ATTACHMENTS:

- 2021 0308 BOPW Draft Minutes (PDF)

Board of Public Works

335 South Broadway
De Pere, WI 54115
https://www.deperewi.gov/

Regular Meeting

Draft Minutes

Monday, March 8, 2021 **7:30 PM** **GoToMeeting**

I. Call to Order

The meeting was called to order at 7:30 PM by Mayor James Boyd

Attendee Name	Title	Status	Arrived
James Boyd	Mayor	Remote	
Dan Carpenter	Alderperson	Remote	
Jonathon Hansen	Alderperson	Remote	
Shana Defnet Ledvina	Alderperson	Remote	
Dean Raasch	Alderperson	Remote	

Others present:
Scott Thoresen, Director of Public Works
Eric Rakers, City Engineer
Kristen Johnson, Assistant City Attorney
Tom Blohowiak, Maintenance Supervisor
Betty Sellenheim, Recording Secretary
Tina Quigley, Definitely De Pere
Alexandria Hughes

II. Items

1. Approval of February 8, 2021 Board of Public Works Meeting Minutes

Alderperson Raasch moved to approve the February 8, 2021 Board of Public Works Meeting Minutes, seconded by Mayor Boyd.
Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Dean Raasch, Alderperson
SECONDER:	James Boyd, Mayor
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

2. Consideration and possible action on AT&T's 1st Amendment Lease Agreement for Merrill Water Tower*

Scott Thoresen, Director of Public Works, explained the lease agreement with AT&T, amendment changes and lease amount included in the packet. Mr. Thoresen outlined the wireless leases at the City water towers.
Alderperson Hansen asked staff if they thought other wireless providers with leases would come forward to renegotiate. Mr. Thoresen stated that each company would have that option when their lease term was up. Kristen Johnson, Assistant City Attorney, added that the City's intention is to get all the leases to be more uniform. Alderperson Hansen asked what the lease term was for each agreement. Ms. Johnson explained the AT&T lease is for 5 years with the option to renew in five year increments and a notification period is required prior to termination. Mr. Thoresen explained the other leases are still active for at least a few years before they could be renegotiated. Alderperson Hansen asked if anything would change aesthetically with the antenna arrangements. Mr. Thoresen stated it will be staying relatively the same.

Mayor Boyd moved to approve AT&T's 1st Amendment Lease Agreement for Merrill Water Tower, seconded by Alderperson Carpenter.
Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	James Boyd, Mayor
SECONDER:	Dan Carpenter, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

3. Consideration and possible action on Definitely De Pere's Request for Replacing Downtown Light Pole Banners Utilizing Excess Stadium Tax Funds*

Scott Thoresen, Director of Public Works, deferred to Tina Quigley, Definitely De Pere to explain the request.

Mayor Boyd moved to open the meeting for public comment at 7:39 PM, seconded by Alderperson Raasch. Upon vote, the motion passed unanimously.

Tina Quigley, Definitely De Pere, outlined the request from Definitely De Pere to use excess Stadium Tax Funds up to $10,000 for new spring/summer banners for Downtown De Pere. Mayor Boyd added City staff will be involved in the design and fabrication of the new banners.
Alderperson Hansen questioned if the spring/summer banners will mirror the current fall/winter banners. Ms. Quigley explained they will incorporate aspects of the current banners but add new elements as well. Alderperson Hansen asked if the final design would be brought back to the Board of Public Works. Ms. Quigley outlined the process as it relates to Stadium Tax Funds and explained the final design would not need to be brought back to the Board for approval.

Mayor Boyd moved to return to regular session at 7:45 PM, seconded by Alderperson Carpenter. Upon vote, the motion passed unanimously.

Alderperson Hansen moved to approve Definitely De Pere's request for replacing Downtown light pole banners utilizing excess Stadium Tax Funds up to $10,000, seconded by Alderperson Ledvina.
Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Jonathon Hansen, Alderperson
SECONDER:	Shana Defnet Ledvina, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

4. Consideration and possible action on Definitely De Pere's Request for Sculpture Walk Project Utilizing Excess Stadium Tax Funds*

Mayor Boyd moved to open the meeting for public comment at 7:46 PM, seconded by Alderperson Raasch. Upon vote, the motion passed unanimously.

Tina Quigley, Definitely De Pere, explained the Sculpture Walk Project and request to utilize excess Stadium Tax Funds up to $25,000.
Mayor Boyd spoke in favor of the Sculpture Walk and it's continuation in Downtown De Pere. Alderperson Raasch spoke in favor of the Sculpture Walk and the extension to the

west side of De Pere. Alderperson Ledvina asked how the sculptures are valued. Ms. Quigley explained the sculptures are valued by their artists and are generally pre-existing (not fabricated exclusively for the event). Alderperson Hansen questioned how the situation would be handled if a sculpture was purchased privately and also won the "people's choice award". Ms. Quigley outlined the artists option to withdraw from the "people's choice" vote, in order to allow the private purchase. Alderperson Hansen questioned the use of the remaining funds, outside of the possible $15,000 purchase of the "people's choice" sculpture. Ms. Quigley stated it would be for artist stipends.

Mayor Boyd moved to return to regular session at 7:56 PM, seconded by Alderperson Raasch. Upon vote, the motion passed unanimously.

Alderperson Raasch moved to approve Definitely De Pere's request for Sculpture Walk Project utilitizing excess Stadium Tax Funds up to $25,000, seconded by Mayor Boyd.
Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Dean Raasch, Alderperson
SECONDER:	James Boyd, Mayor
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

5. Consideration and possible action on Preliminary Resolution for Special Assessments for Storm Sewer Main and/or Laterals

Eric Rakers, City Engineer, explained the preliminary resolution and special assessments for storm sewer main and/or laterals associated with resurfacing and reconstruction projects in 2021. Mr. Rakers explained the locations and limits to the projects that include special assessments, along with the ordinances governing the installation and charges. Mr. Rakers outlined the special assessment amounts as previously approved by the Board of Public Works, as follows:

- Residential Properties
  - Storm Lateral Assessment - $1,739.52
  - Storm Main Assessment - $498.10
  - TOTAL $2,237.62
- Non-Residential Properties
  - Storm Main Assessment - $8.72 per foot of parcel frontage
  - 6-inch Storm Lateral Assessment - $2,002.20
  - 8-inch Storm Lateral Assessment - $3,240.52
  - 12-inch Storm Lateral Assessment - $3,701.26

Mr. Rakers outlined the notices sent out to residents regarding the special assessments and projects. Mr. Rakers also explained the payback options once the special assessments for storm main and/or laterals were invoiced.

Mayor Boyd moved to open the meeting for public comment at 8:01 PM, seconded by Alderperson Raasch. Upon vote, the motion passed unanimously.

Alexandria Hughes, of James Street, asked how she could easily access information regarding the project and her responsibility to pay for portions of construction.

Mayor Boyd moved to return to regular session at 8:03 PM, seconded by Alderperson Raasch. Upon vote, the motion passed unanimously.

Mr. Rakers explained that projects are posted to the City Website after bidding is completed and that staff is willing to answer questions or meet with residents and will be on-site once construction begins. Mr. Rakers outlined a few different utilities and portions of projects and which ones are and are not charged to the residents. Alderperson Carpenter asked if the preliminary resolution was amended from previous storm sewer main and/or lateral special assessment resolutions as presented to the Board of Public Works and stated he believed Ms. Huges had been looking for ordinance information regarding special assessment charges. Mr. Rakers stated the preliminary resolution had only been amended to designate the five year payback option, as Board usually sets this term. Mr. Rakers explained the codes were provided in one of the notices sent to residents but could follow up on that further.

Alderperson Carpenter moved to adopt the Preliminary Resolution for Special Assessments for Storm Sewer Main and/or Laterals, schedule a public hearing for the next Board of Public Works meeting on April 12, 2021, and establish a five year payback option, seconded by Alderperson Raasch.
Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Dan Carpenter, Alderperson
SECONDER:	Dean Raasch, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

6. Consideration and possible action on New Contract for Uniform Services

Tom Blohowiak, Maintenance Supervisor, outlined the changes and new contract request for uniform services.
Alderperson Carpenter asked if the quoted price including in the packet was the current price being charged by the contractor, Bay Towel. Mr. Blohowiak stated the last invoice received was for $117 per week.

Mayor Boyd moved to approve a new contract with Cintas for Uniform Services in the amount of $33.82 per week, seconded by Alderperson Ledvina.
Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	James Boyd, Mayor
SECONDER:	Shana Defnet Ledvina, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

7. Consideration and possible action on Preventative Maintenance Contract for Backup Generators*

Tom Blohowiak, Maintenance Supervisor, explained the current maintenance contract and the amendments for a new contract to include three additional backup generators.

Alderperson Raasch moved to approve the Backup Generator Preventative Maintenance 5 Year Contract with Cummins in the amount of $20,170.14, seconded by Mayor Boyd.

Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Dean Raasch, Alderperson
SECONDER:	James Boyd, Mayor
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

8. Consideration and possible action on award of Contract 21-03 Sewer Lining*

Eric Rakers, City Engineer, explained the project and bids received by staff on February 25, 2021.

Mayor Boyd moved to approve the award of Contract 21-03 Sewer Lining to Michels Pipe Services in the amount of $422,301.00, seconded by Alderperson Hansen.
Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	James Boyd, Mayor
SECONDER:	Jonathon Hansen, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

9. Consideration and possible action on award of Contract 21-15 Sewer Televising*

Eric Rakers, City Engineer, explained the project, funding, and bids received by staff on February 11, 2021.
Mayor Boyd commented on the number of bidders and range of bids received.

Mayor Boyd moved to approve the award of Contract 21-15 Sewer Televising to Green Bay Pipe & TV, LLC in the amount of $40,634.94, seconded by Alderperson Raasch.
Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	James Boyd, Mayor
SECONDER:	Dean Raasch, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

10. Consideration and possible action on award of Contract 21-20 Commerce Drive Concrete Paving*

Eric Rakers, City Engineer, explained the project, funding, and bids received by staff on February 11, 2021.
Alderperson Carpenter questioned why the bid was much lower than the estimate. Mr. Rakers explained that the concrete prices were good and the project limits were reduced.

Alderperson Hansen moved to approve the award of Contract 21-20 Commerce Drive Concrete Paving to Sommers Construction Company Inc. in the amount of $93,947.50, seconded by Alderperson Carpenter.
Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Jonathon Hansen, Alderperson
SECONDER:	Dan Carpenter, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

11. Consideration and possible action on 2020 Draft Annual Report for the Wisconsin Department of Natural Resources MS4 General Permit*

Eric Rakers, City Engineer, explained the summary of work for the annual permit and draft written stormwater management program as included in the packet. Mr. Rakers explained the key aspects of the permit and City involvement/participation. Mr. Rakers highlighted work completed in 2020 for stormwater management.
Alderperson Carpenter asked for follow-up from the Public Information Meeting regarding car washing on the lawn in De Pere. Mr. Rakers stated he had reached out to the Police and Building Inspection and was informed that in situations of temporary parking for the washing and drying of a vehicle, there would be no enforcement action taken. Mr. Rakers stated staff would continue to look into it for clarification, since staff would prefer to see vehicle washing on the grass, compared to the driveway, to avoid all the soap water flowing directly into the storm sewer.

Alderperson Carpenter moved to approve the submission of the 2020 Draft Annual Report and written stormwater management program for the Wisconsin Department of Natural Resources MS4 General Permit, seconded by Alderperson Raasch.
Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Dan Carpenter, Alderperson
SECONDER:	Dean Raasch, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

12. Discuss Ald. Hansen's Request for Installation of Underground Power in Existing Neighborhoods

Scott Thoresen, Director of Public Works, explained the request from Alderperson Hansen regarding installation of underground electric power in existing neighborhoods and the challenges as illustrated by Wisconsin Public Service. Mr. Thoresen explained Alderperson Hansen's request was misunderstood and had been regarding installation of underground power with reconstruction projects. Mr. Thoresen explained installing underground power with reconstruction includes additional challenges including power lines being located behind the homes in the alley.
Alderperson Hansen expressed his appreciation of staff's time regarding this request and understanding of the challenges outlined by WPS. Alderperson Carpenter expressed concerns with installing underground power and the challenges that may appear with forcing residents to convert their homes. Alderperson Raasch agreed with the Alderperson Carpenter's concerns.

Discussion Only. No action Required.

RESULT:	**NO ACTION**

III. Future Agenda Items

Alderperson Carpenter asked staff to investigate Downtown planter locations in regards to obstructing visibility for traffic.
Alderperson Raasch asked staff to improve the seating options and refuse/recycling collection receptacles downtown.

IV. Adjournment

Mayor Boyd moved to adjourn the meeting at 8:37 PM, seconded by Alderperson Ledvina. Upon vote, the motion passed unanimously.

Respectfully submitted,
Betty Sellenheim

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**April 12, 2021**
DEPARTMENT:	**Board of Public Works**
FROM:	**Marty Kosobucki**
SUBJECT:	**Consideration and possible action regarding Wayfinding and Pedestrian Node Plan**

ATTACHMENTS:

- Memo.BOPW.Wayfinding (PDF)
- 2021-0312_Draft Design Intent (PDF)
- 2021-0312_Node Concept Designs (PDF)

CITY OF DE PERE MEMO

To: Board of Public Works
From: Marty Kosobucki, Director of Parks, Recreation and Forestry
Date: April 12, 2021
RE: Wayfinding and Pedestrian Node Plan

In your packet you will find a proposed Wayfinding and Pedestrian Node Plan for the City. The below information will be helpful for you prior to reviewing, as well as assisting you in making a decision.

- Kimley Horn was our consultant on the project, who happens to be the same consultant that led our branding initiative.
- In working with Kimley Horn, we created an internal review team to provide feedback on the proposed plans. The internal team consisted of City Administrator - Larry Delo, Director of Public Works - Scott Thoresen, Development Services Director - Daniel Lindstrom, City Engineer Technician - Jenna LaRoche, Director of Parks, Recreation and Forestry - Marty Kosobucki, Definitely De Pere - Tina Quigley, and De Pere Chamber – Amber Theil.
- The Pedestrian Node plans were identified by the Cultural District Plan as a part of the future development of our downtown area. Several of the proposed plans will need cooperation from outside agencies.
- The Wayfinding Plan is recommended to have a slightly different focus than the current wayfinding signage throughout the City. The plan recommends implementing both vehicular signs as well as pedestrian signage.
- In the Wayfinding Plan you will find recommendations on 1) the theme and design of the signs, 2) Location of each vehicular and pedestrian sign, 3) what destinations are on each sign.

Upon approval, the City will take upon installation efforts as budgets allow.

CITY OF DE PERE

WAYFINDING MASTER PLAN

DRAFT - FOR INTERNAL REVIEW ONLY

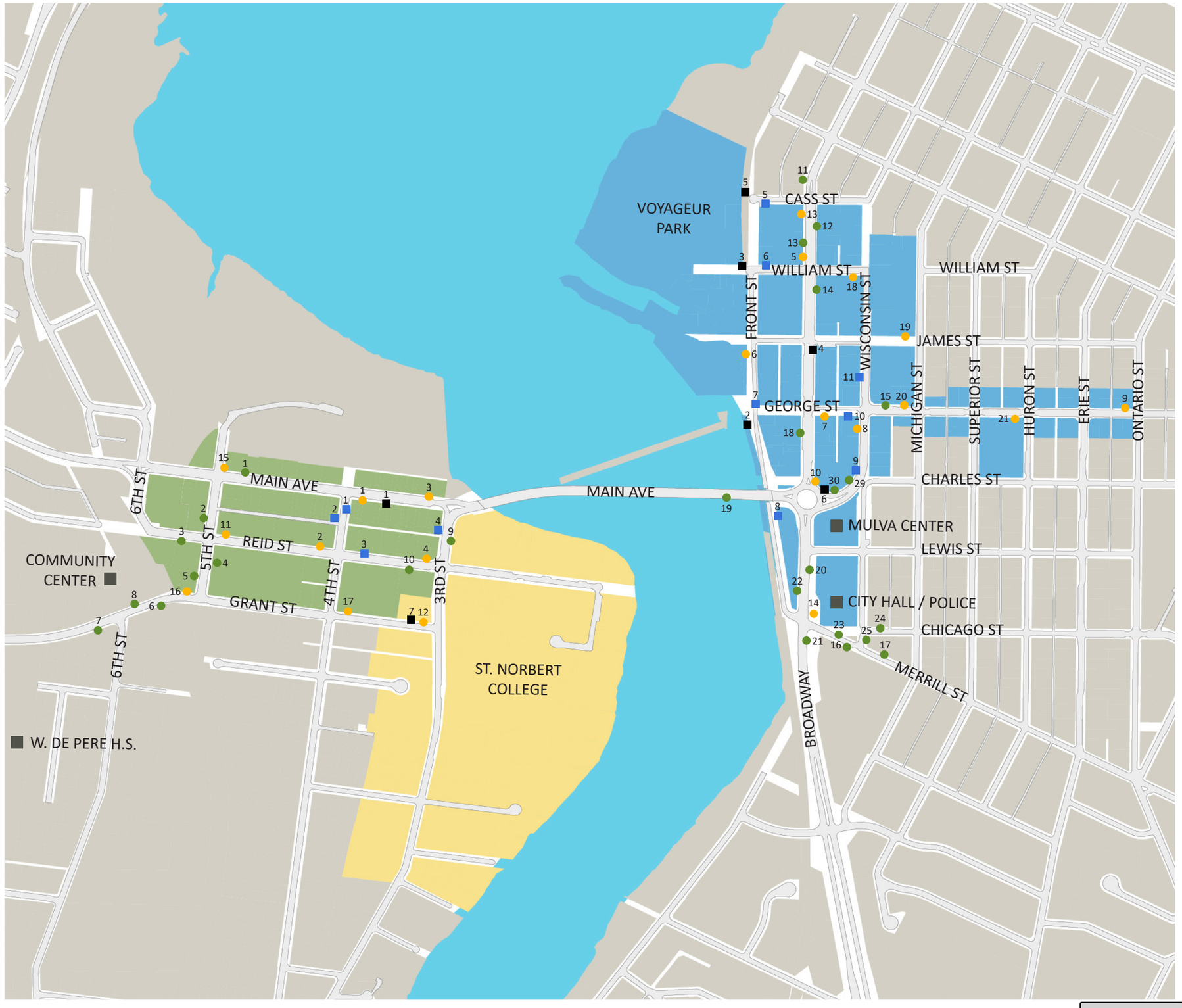
Kimley»Horn

MARCH 2021

sparc

TABLE OF CONTENTS:

OVERALL WAYFINDING FAMILY	PAGE 3
PEDESTRIAN KIOSK	PAGES 4 - 6
VEHICULAR DIRECTIONAL	PAGES 7 - 15
PARKING DIRECTIONAL	PAGES 16 - 18
PEDESTRIAN DIRECTIONAL	PAGES 19 - 23
OPINION OF PROBABLE COSTS	PAGE 24



LEGEND:

- PEDESTRIAN KIOSKS (1 - 7)
- VEHICULAR DIRECTIONAL SIGNS (1 - 30)
  LOCATIONS 26, 27 AND 28 ARE LOCATED OUTSIDE OF THE MAP EXTENTS
- PARKING DIRECTIONAL SIGNS (1 - 11)
- PEDESTRIAN DIRECTIONAL SIGNS (1 - 21)

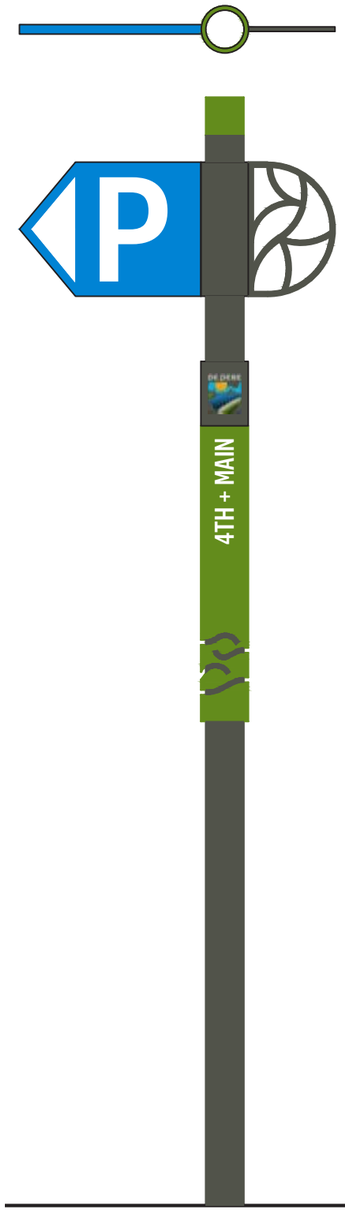
MAJOR PEDESTRIAN KIOSK



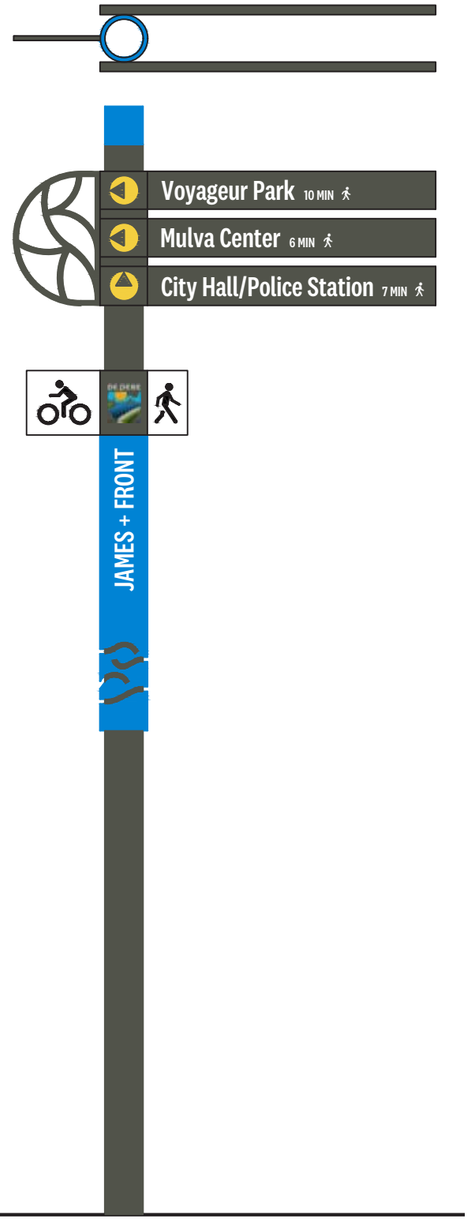
VEHICULAR WAYFINDING

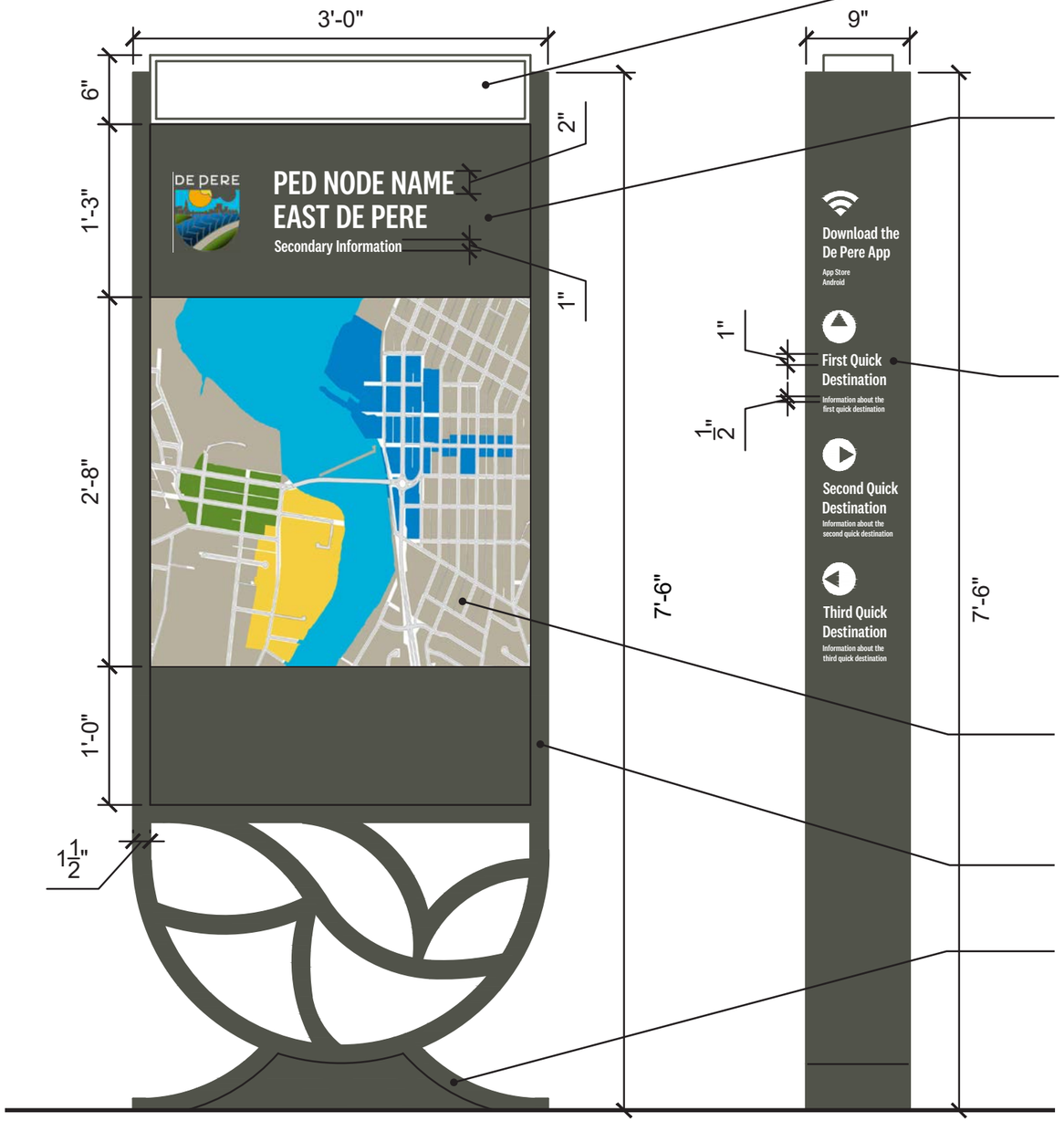


PARKING WAYFINDING



PEDESTRIAN DIRECTIONAL





Illuminated Panel
- Translucent cabinet with internal lighting

Location Identifier Panel
- Screenprinted or digitial printed graphic on metal sign panel
- Panel background color: Cityshade
- Text color: White
- Font: National 2 Condensed Medium
- Primary and secondary information dependent on location, see detailed plans
- Alternate: Internally illuminate cabinet

Pedestrian Destination Information
- Screenprinted graphics on side panel
- Information to be located on building facing side of kiosk
- Information dependent on location, see detailed plans
- Font: National 2 Condensed Medium

Map Graphic
- Final digital graphic file to be developed
- Map to be internally illuminated
- Alternate: Digital touchscreen cabinet

Kiosk Cabinet
- Fabricated custom metal base
- Color: Cityshade

Cabinet Base
- Fabricated custom metal base
- Color: Cityshade

COLORS:

- Riverblue - Pantone 2184C
- Grassygreen - Pantone 370C
- Sunray - Pantone 129C
- Cityshade - Pantone 418C
- Blacktop - Pantone Black C

NOTES:
1. All sign panels to be vandal resistant.
2. No visible hardward on front of sign.
3. Foundation to be designed and stamped by structural engineer.
4. All colors and materials are presented for design intent only. Fabricator shall create and provide samples and/or mock-ups of all materials for final approval.
5. Final artwork and shop drawings to be submitted for City and designer review and approval prior to fabrication.
6. All signs located within public right-of-way shall meet necessary breakaway requirements as established by appropriate agency.
7. Underground utilities to be located and reviewed before finalizing sign locations.
8. Final sign locations to be reviewed and approved in the field by the City and designer prior to site work.
9. Appropriate permits must be acquired from appropriate agency, depending on location, before proceeding with work.

Pedestrian Kiosk - Location 1

- Location Identifier Panel
  - Primary Information: “Art Alley”
  - Secondary Information: “Downtown District West”

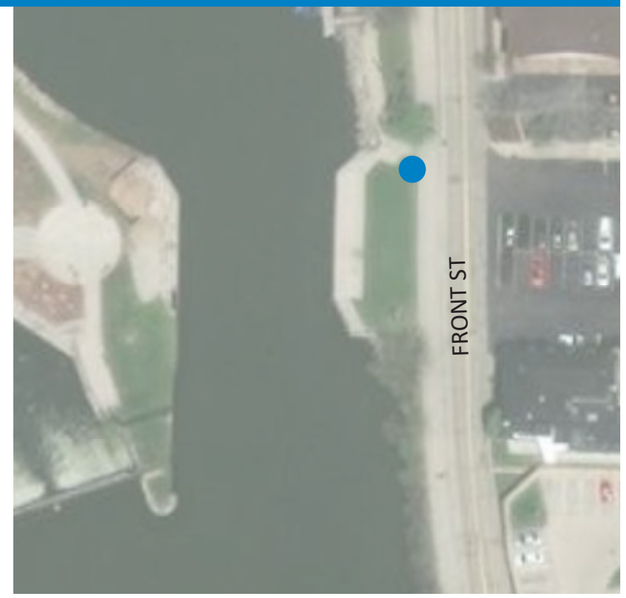
- Pedestrian Destination Information - South Facing Edge
  - Left Arrow
    - Community Center
    - VFW Park / Aquatic Facility
    - W. De Pere H.S.
  - Right Arrow
    - St. Norbert College
    - Downtown East
    - Mulva Center
    - Riverwalk
    - City Hall / Police
    - Library



Pedestrian Kiosk - Location 2

- Location Identifier Panel
  - Primary Information: “Front Street”
  - Secondary Information: “Downtown District East”

- Pedestrian Destination Information - West Facing Edge
  - Up Arrow
    - Downtown East
    - Mulva Center
    - South Broadway Historic District
    - Michigan & Superior St Historic DIstrict
  - Left Arrow
    - Riverwalk
    - Voyageur Park
    - Library
    - White Pillars
    - Lock and Dam Historic District
    - North Broadway Historic District
    - Randall Avenue Historic District
  - Right Arrow
    - City Hall / Police



Pedestrian Kiosk - Location 3

- Location Identifier Panel
  - Primary Information: “Pollo Resto”
  - Secondary Information: “Downtown District East”

- Pedestrian Destination Information - East Facing Edge
  - Up Arrow
    - Riverwalk
    - Voyageur Park
    - Lock and Dam Historic District
  - Left Arrow
    - Mulva Center
    - City Hall / Police
    - St. Norbert College
  - Right Arrow
    - Library
    - White Pillars
    - North Broadway Historic District
    - Randall Avenue Historic District



Pedestrian Kiosk - Location 4

- Location Identifier Panel
  - Primary Information: “James and Broadway”
  - Secondary Information: “Downtown District East”

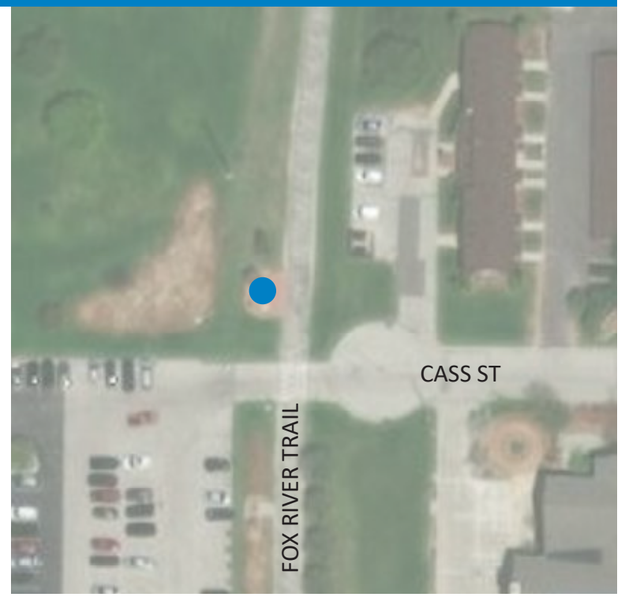
- Pedestrian Destination Information - East Facing Edge
  - Up Arrow
    - Riverwalk
    - Fox River Trail
    - Voyageur Park
    - Lock and Dam Historic District
  - Left Arrow
    - Mulva Center
    - City Hall / Police
    - St. Norbert College
    - South Broadway Historic District
  - Right Arrow
    - Library
    - White Pillars
    - North Broadway Historic District
    - Randall Avenue Historic District



Pedestrian Kiosk - Location 5

- Location Identifier Panel
  - Primary Information: “Voyageur Park”
  - Secondary Information: “Downtown District East”

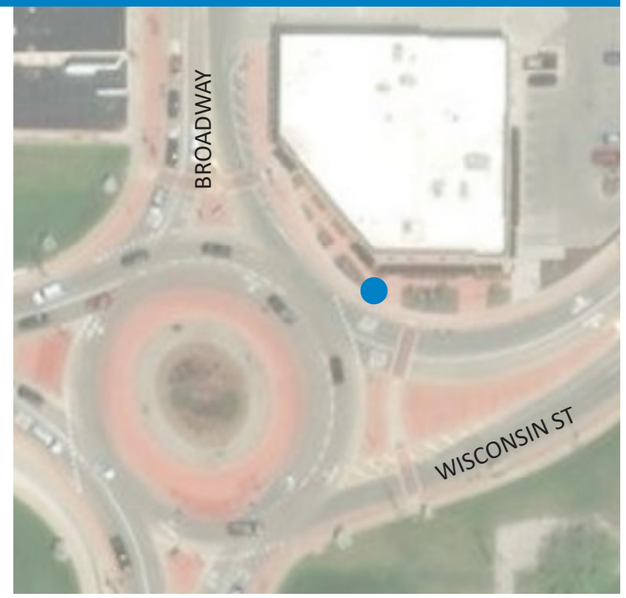
- Pedestrian Destination Information - East Facing Edge
  - Left Arrow
    - Riverwalk
    - Voyageur Park
    - Mulva Center
    - City Hall / Police
    - St. Norbert College



Pedestrian Kiosk - Location 6

- Location Identifier Panel
  - Primary Information: “Mulva Center”
  - Secondary Information: “Downtown District East”

- Pedestrian Destination Information - East Facing Edge
  - Up Arrow
    - Dowtown West
    - St. Norbert College
  - Left Arrow
    - Mulva Center
    - City Hall / Police
  - Right Arrow
    - Library
    - White Pillars
    - North Broadway Historic District
    - South Broadway Historic District
    - Randall Avenue Historic District
    - Riverwalk
    - Fox River Trail
    - Voyageur Park
    - Lock and Dam Historic District

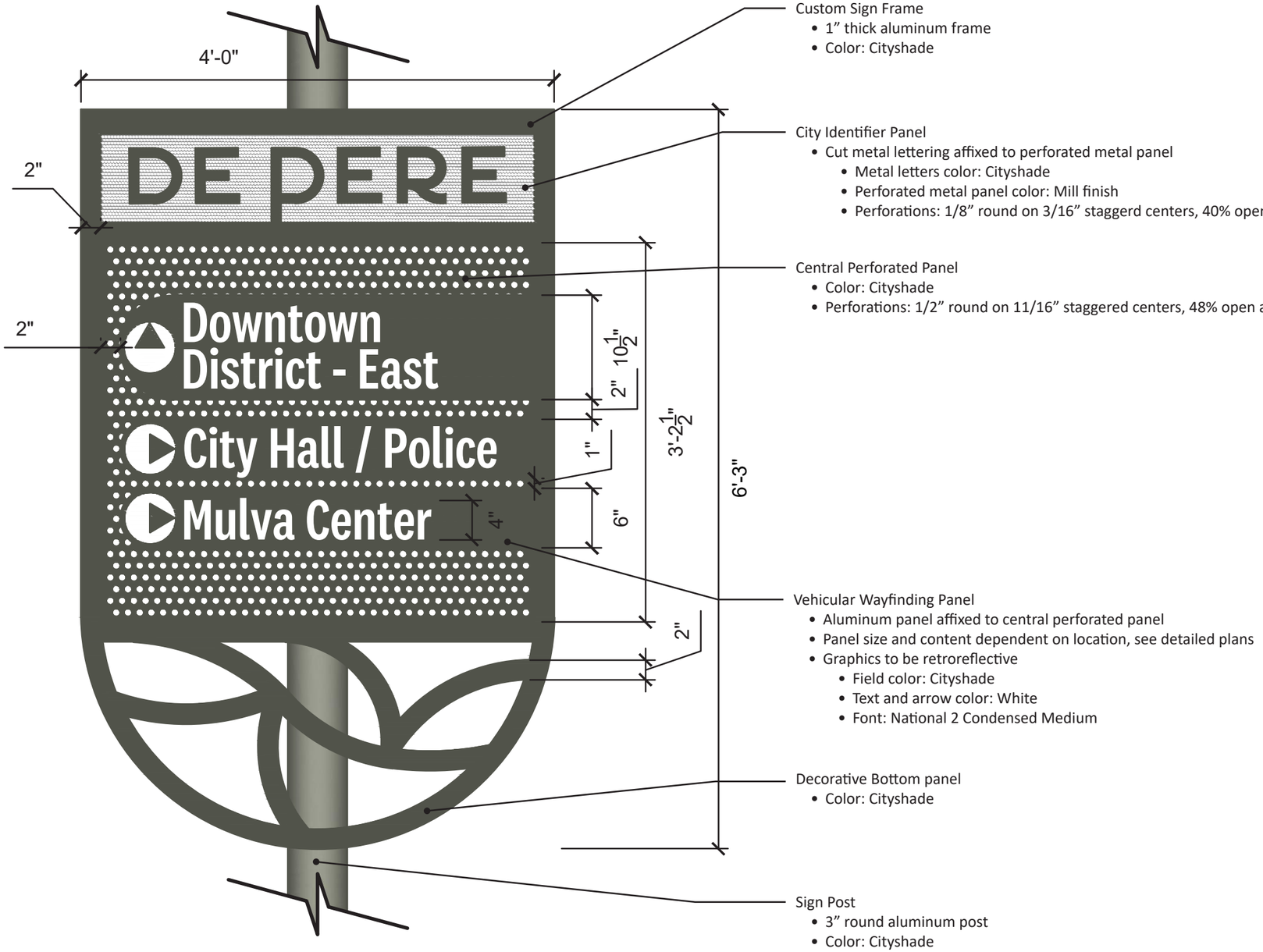


Pedestrian Kiosk - Location 7 (Optional)

- Location Identifier Panel
  - Primary Information: “St. Norbert College”
  - Secondary Information: “Downtown District West”

- Pedestrian Destination Information - North Facing Edge
  - Left Arrow
    - St. Norbert College
  - Left-Down Arrow
    - Downtown
    - Mulva Center
    - City Hall / Police
  - Right Arrow
    - VFW Park / Aquatic Facility
    - Community Center
    - W. De Pere H.S.





Custom Sign Frame
- 1” thick aluminum frame
- Color: Cityshade

City Identifier Panel
- Cut metal lettering affixed to perforated metal panel
  - Metal letters color: Cityshade
  - Perforated metal panel color: Mill finish
  - Perforations: 1/8” round on 3/16” staggerd centers, 40% open area

Central Perforated Panel
- Color: Cityshade
- Perforations: 1/2” round on 11/16” staggered centers, 48% open area

Vehicular Wayfinding Panel
- Aluminum panel affixed to central perforated panel
- Panel size and content dependent on location, see detailed plans
- Graphics to be retroreflective
  - Field color: Cityshade
  - Text and arrow color: White
  - Font: National 2 Condensed Medium

Decorative Bottom panel
- Color: Cityshade

Sign Post
- 3” round aluminum post
- Color: Cityshade
- Alternate: Mount sign to existing post

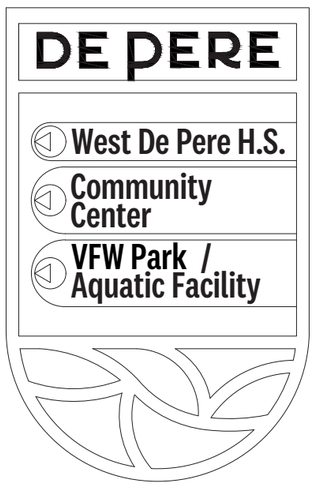
COLORS:

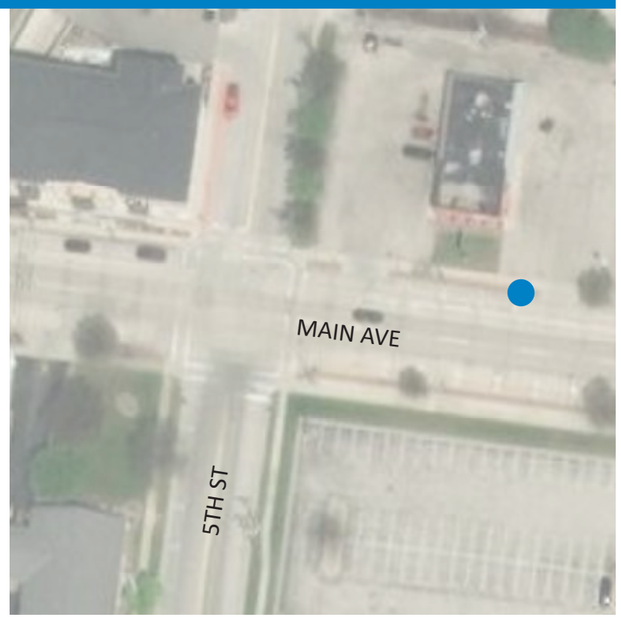
- Riverblue - Pantone 2184C
- Grassygreen - Pantone 370C
- Sunray - Pantone 129C
- Cityshade - Pantone 418C
- Blacktop - Pantone Black C

NOTES:

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2. No visible hardward on front of sign.
3. Foundation to be designed and stamped by structural engineer.
4. All colors and materials are presented for design intent only. Fabricator shall create and provide samples and/or mock-ups of all materials for final approval.
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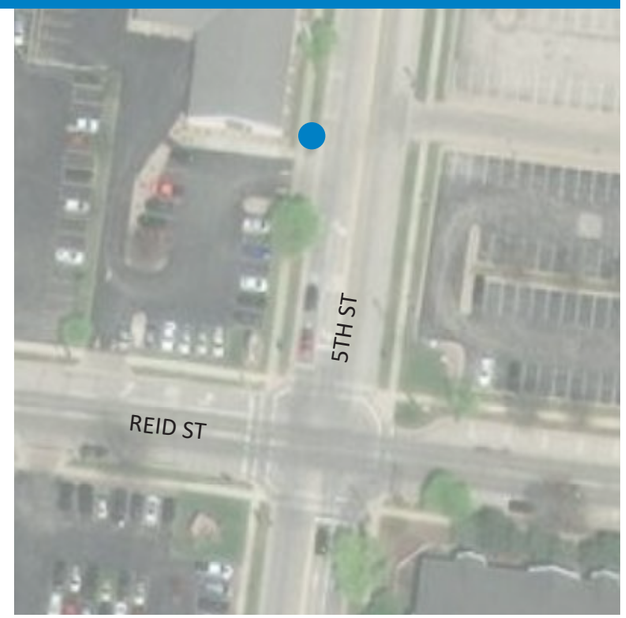
Vehicular Directional - Location 1



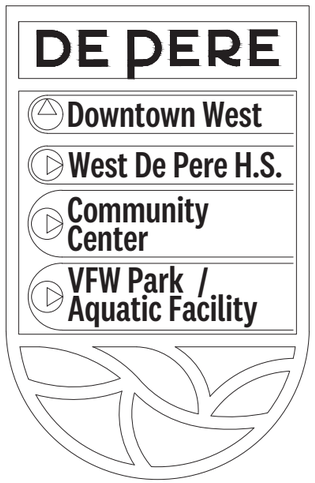


Vehicular Directional - Location 2





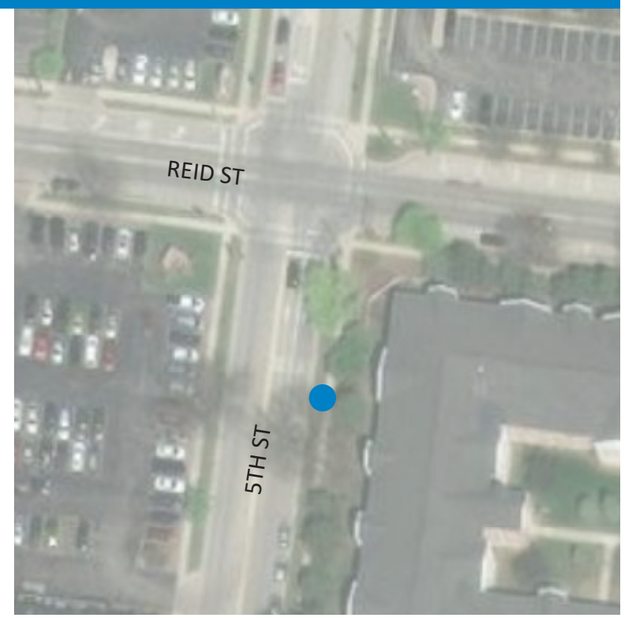
Vehicular Directional - Location 3





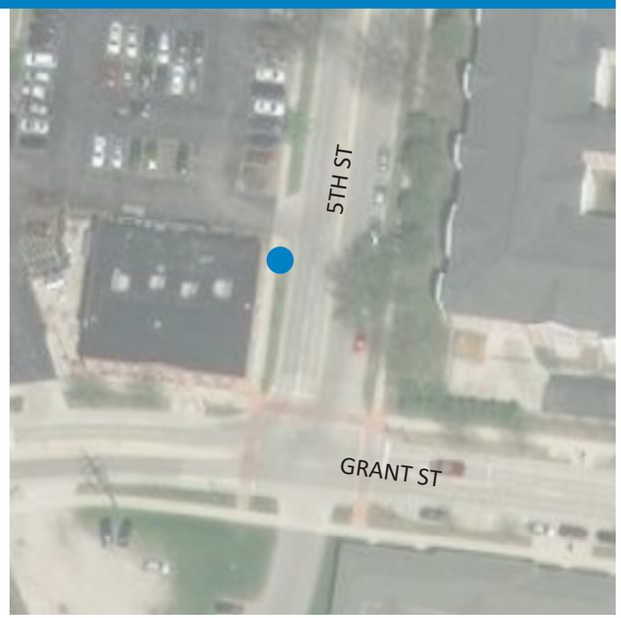
Vehicular Directional - Location 4



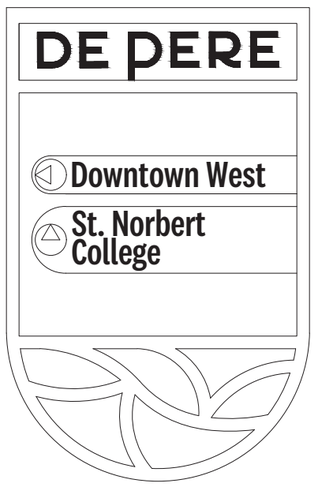


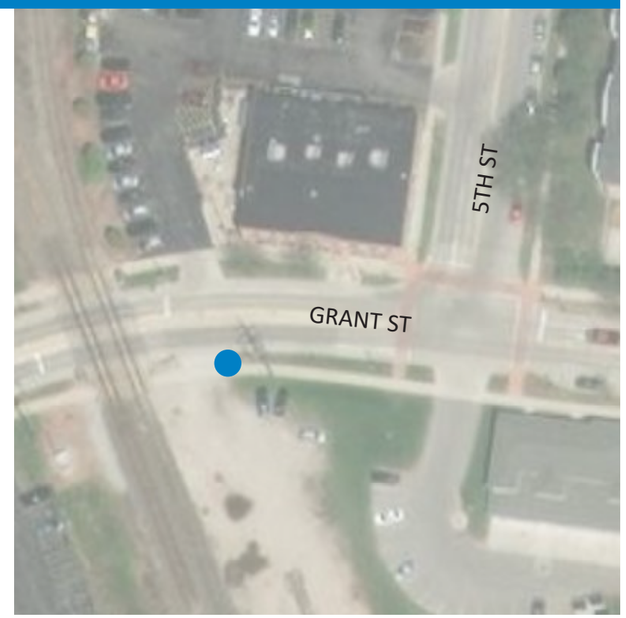
Vehicular Directional - Location 5



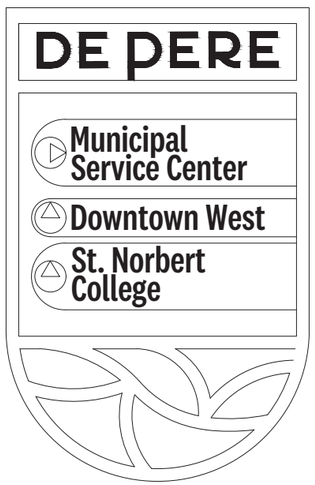


Vehicular Directional - Location 6





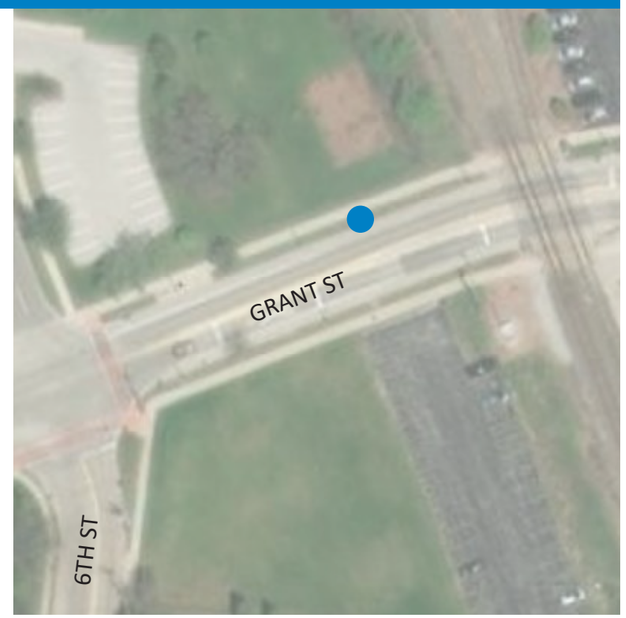
Vehicular Directional - Location 7



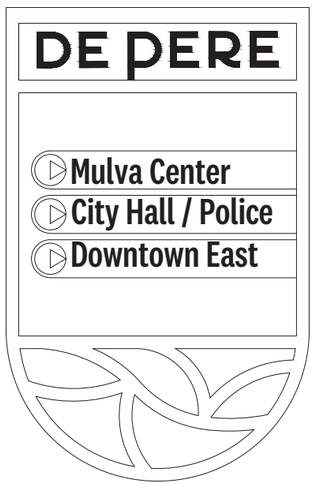


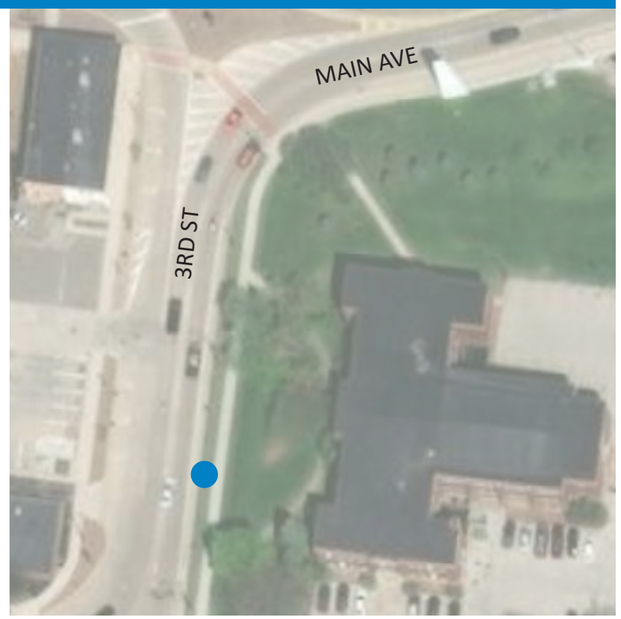
Vehicular Directional - Location 8



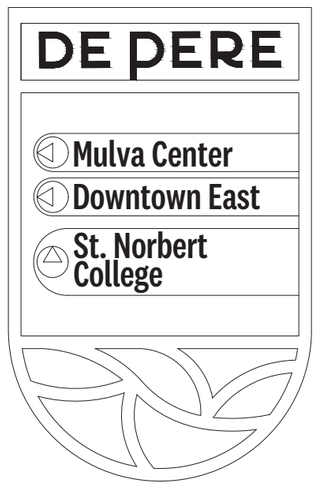


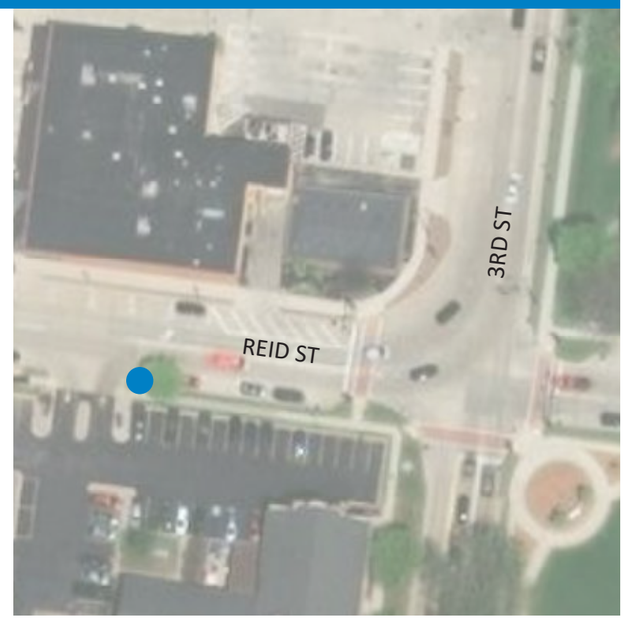
Vehicular Directional - Location 9



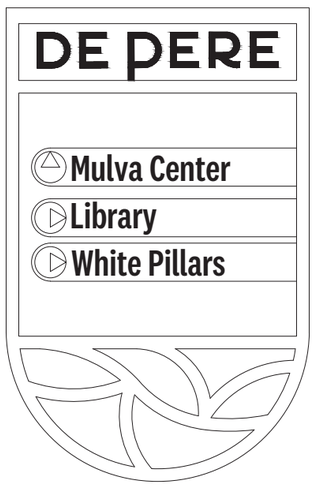


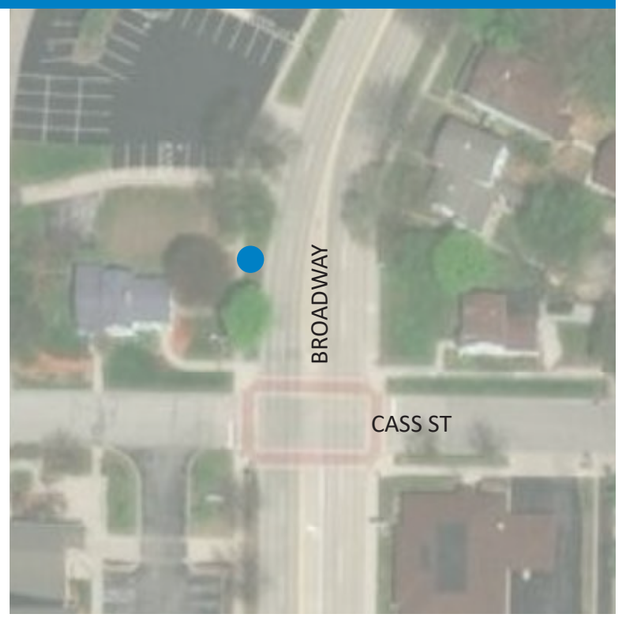
Vehicular Directional - Location 10





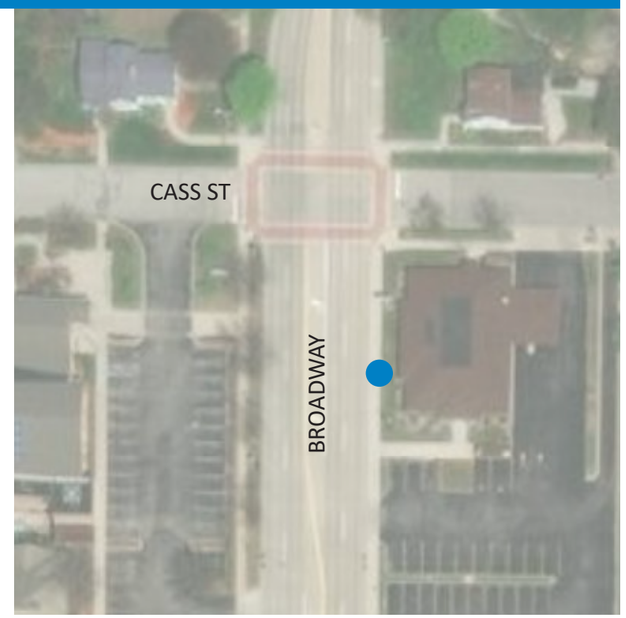
Vehicular Directional - Location 11





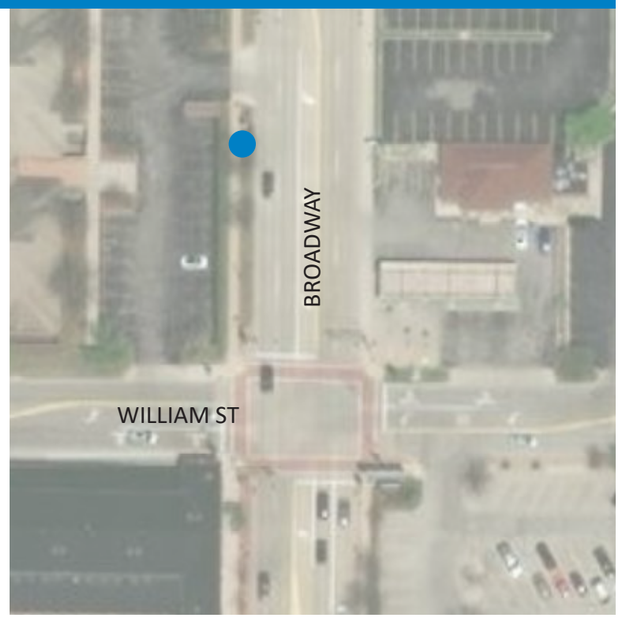
Vehicular Directional - Location 12





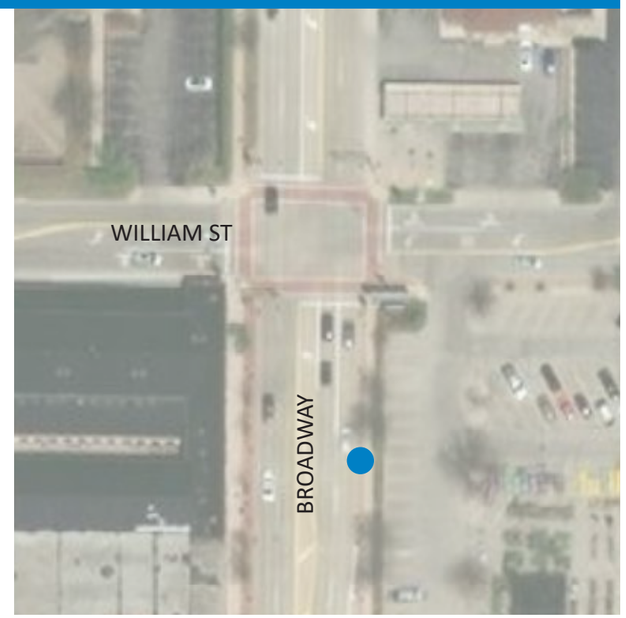
Vehicular Directional - Location 13





Vehicular Directional - Location 14



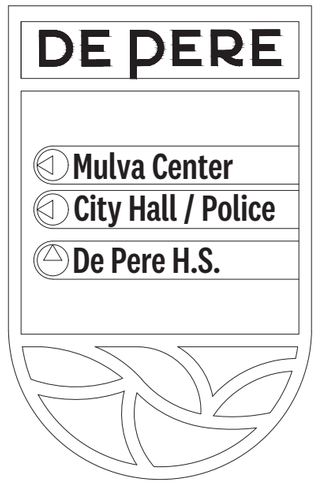


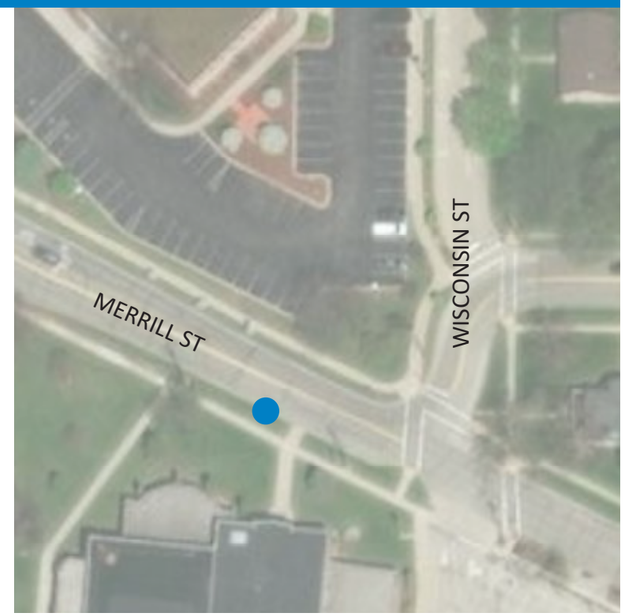
Vehicular Directional - Location 15





Vehicular Directional - Location 16



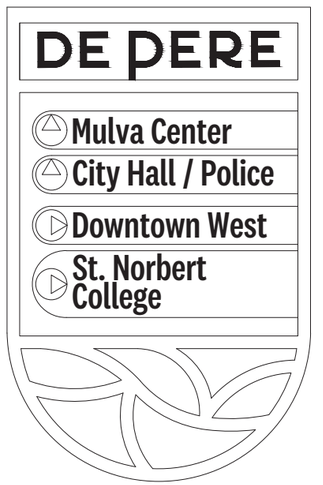


Vehicular Directional - Location 17



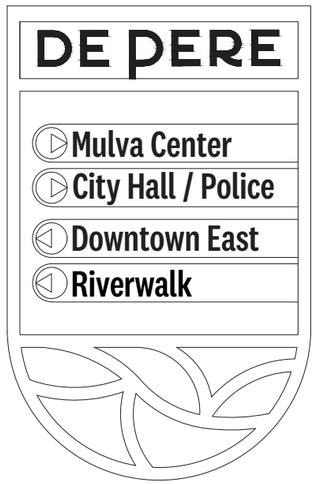


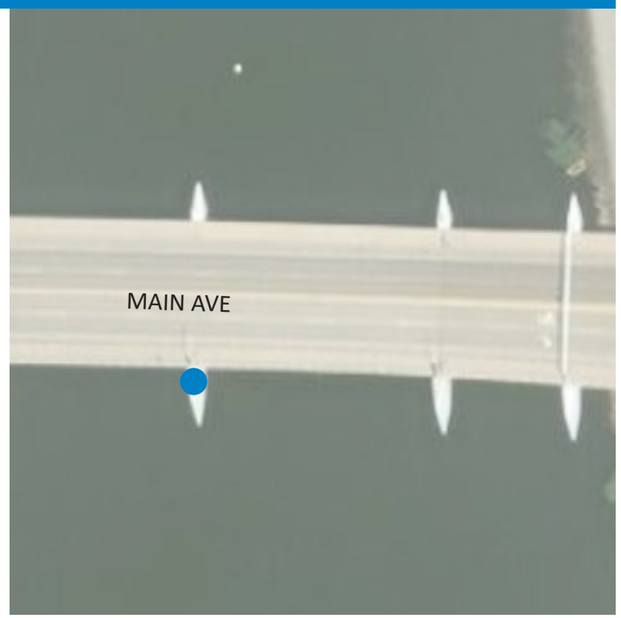
Vehicular Directional - Location 18



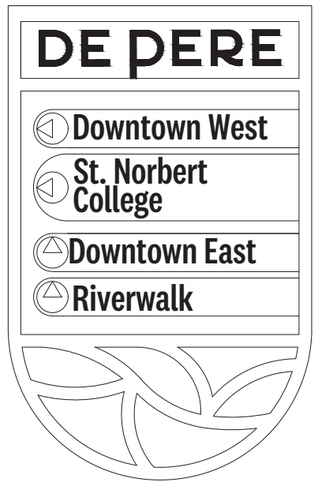


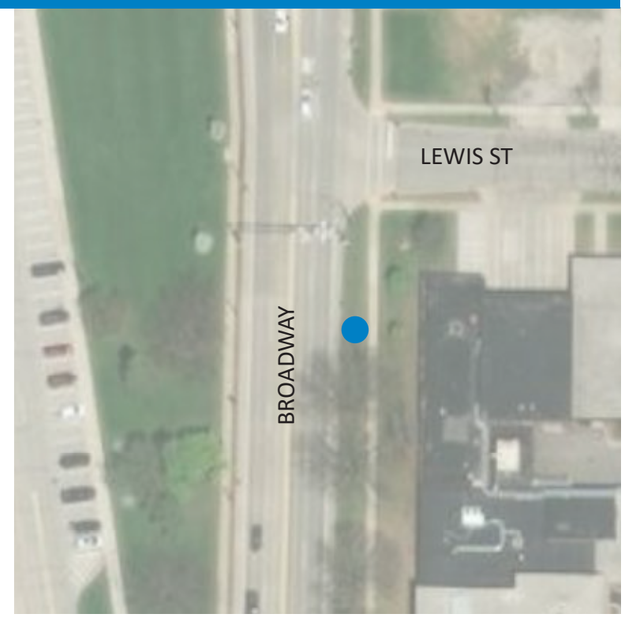
Vehicular Directional - Location 19



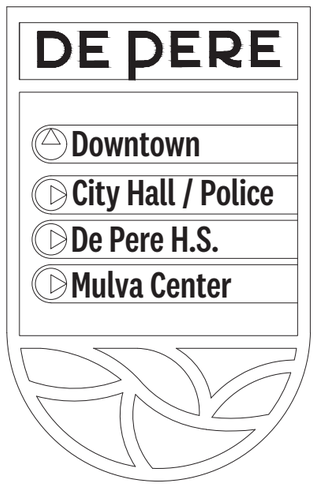


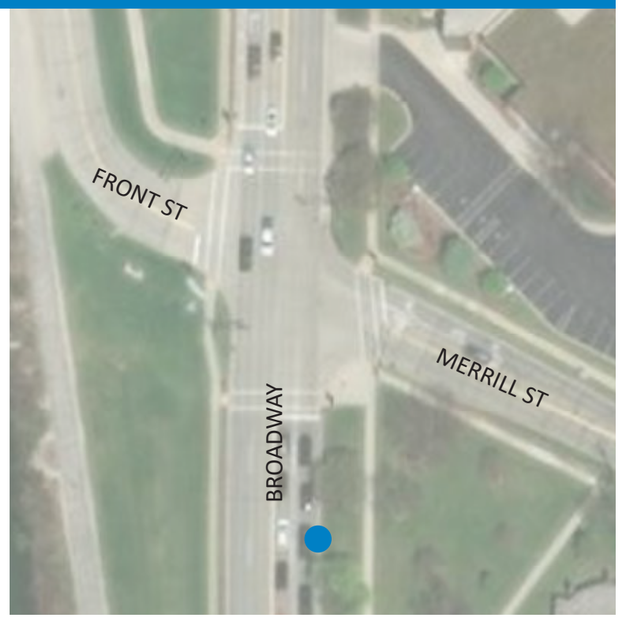
Vehicular Directional - Location 20



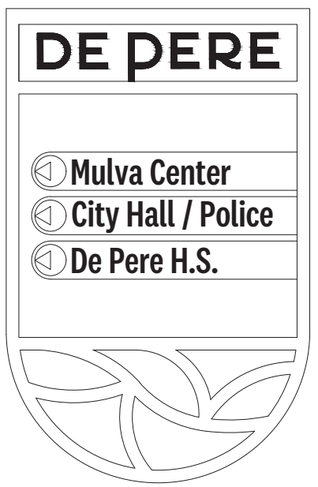


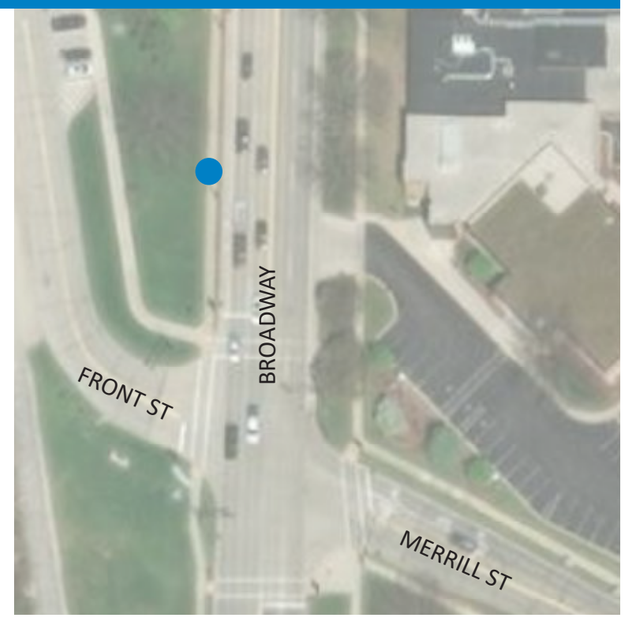
Vehicular Directional - Location 21



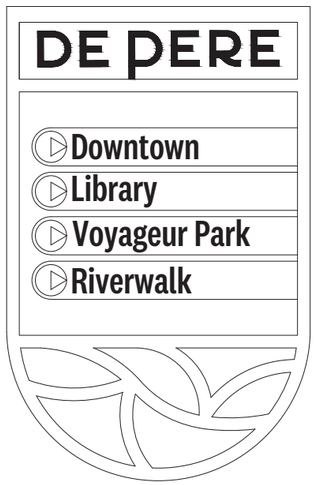


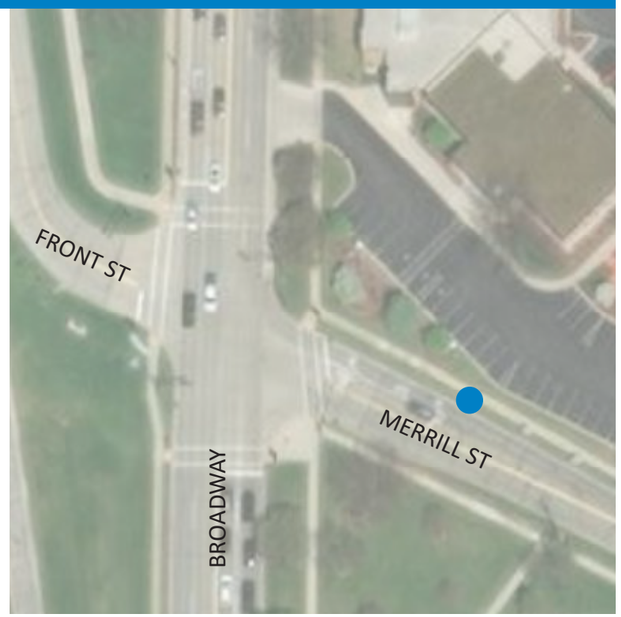
Vehicular Directional - Location 22





Vehicular Directional - Location 23





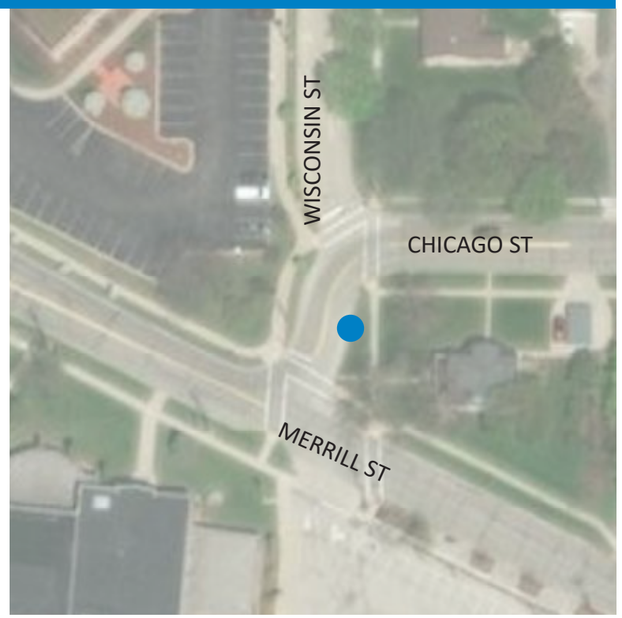
Vehicular Directional - Location 24



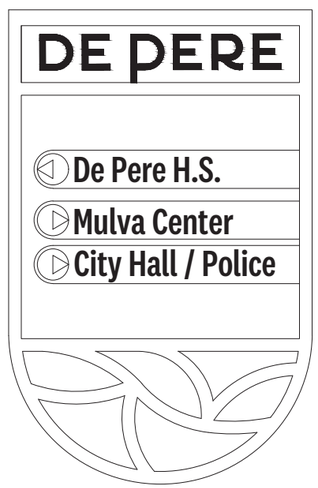


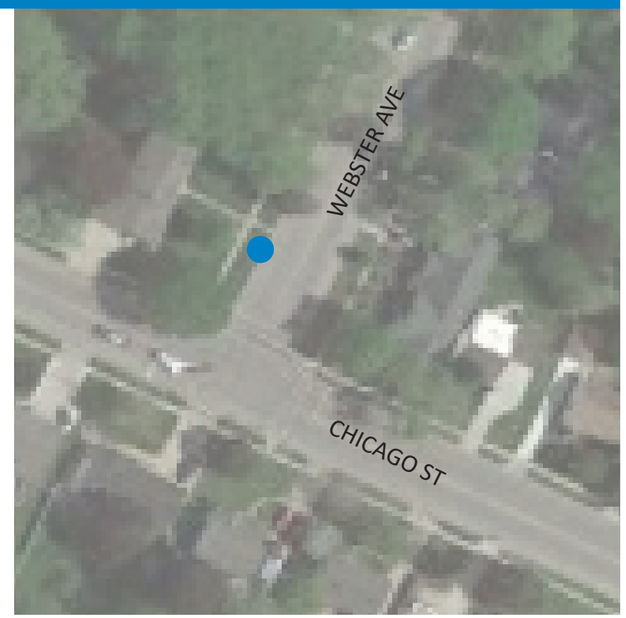
Vehicular Directional - Location 25



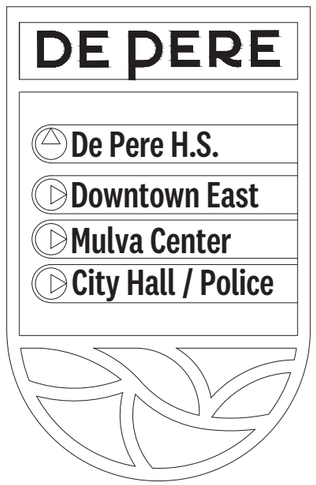


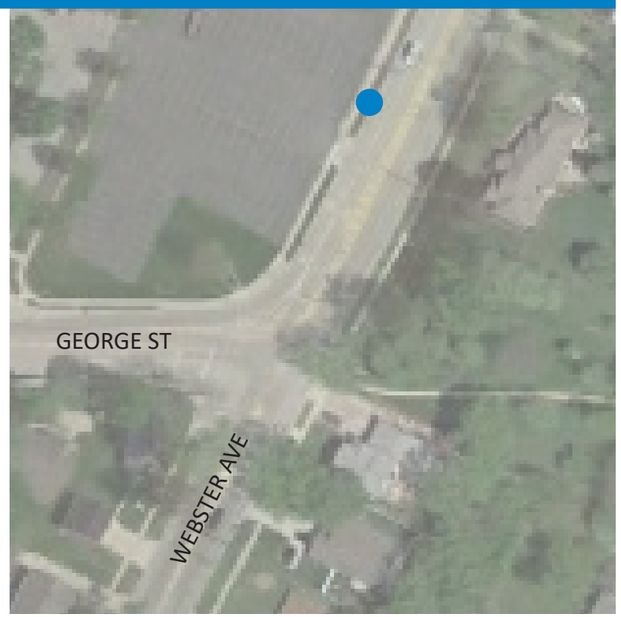
Vehicular Directional - Location 26





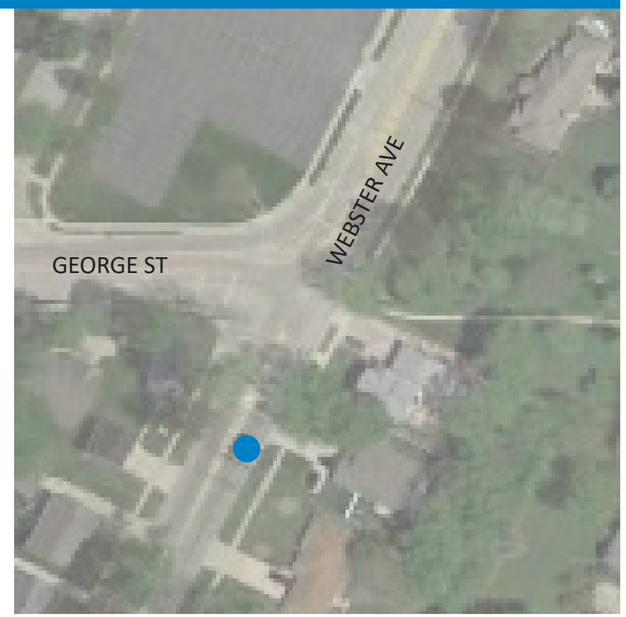
Vehicular Directional - Location 27





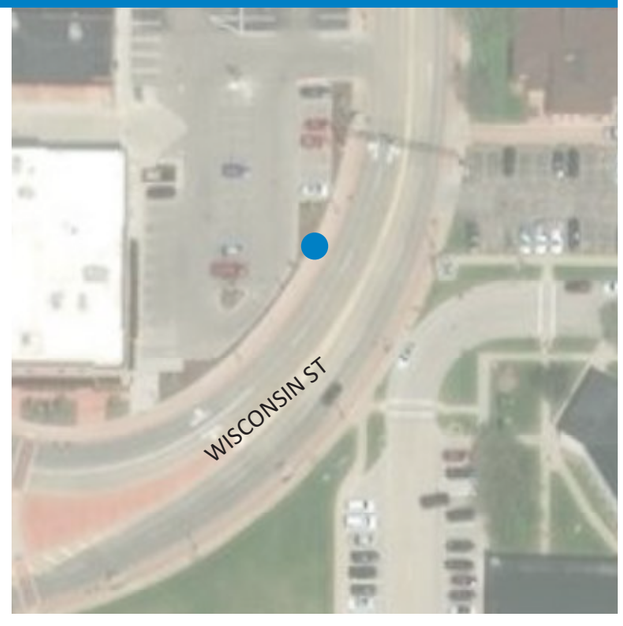
Vehicular Directional - Location 28





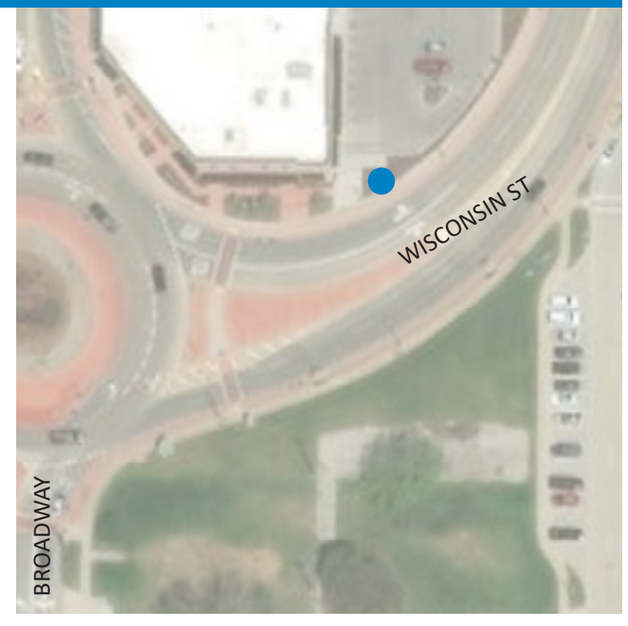
Vehicular Directional - Location 29



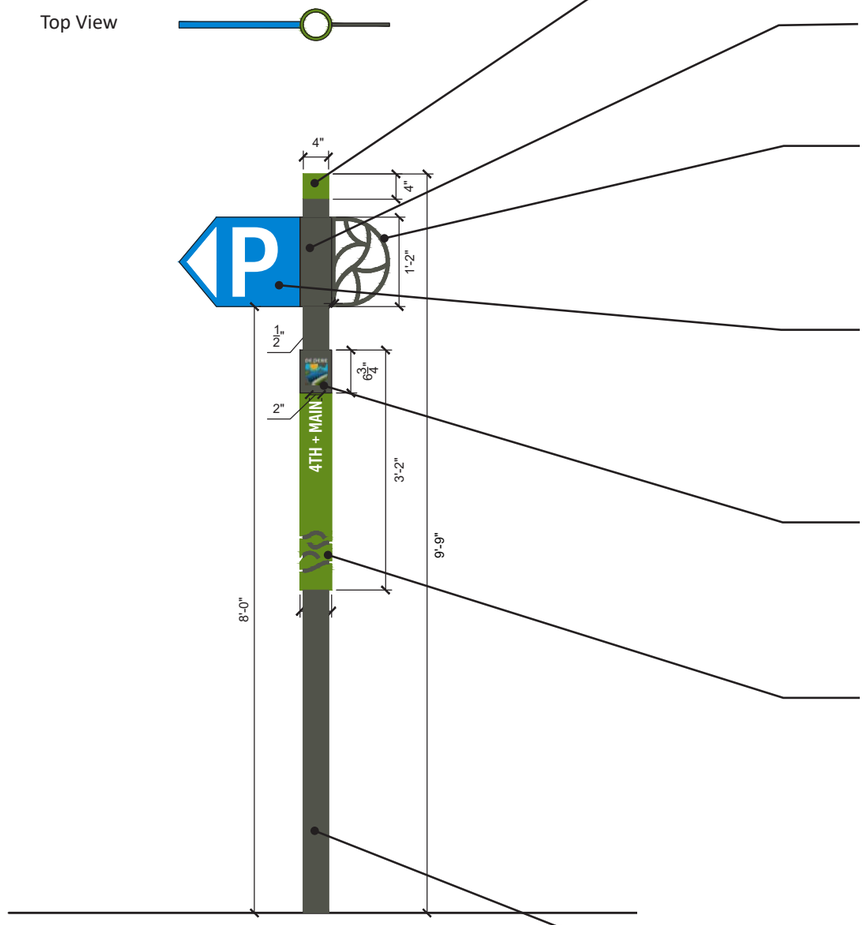


Vehicular Directional - Location 30





Top View



Decorative Post Top
- Painted metal post top
- Color dependent on location:
  - Downtown District East: Riverblue
  - Downtown District West: Grassygreen

Sign Collar
- Custom clam-shell mount
- Color: Cityshade

Decorative Panel
- 1/2” thick aluminum panel
- Custom cut design
- Color: Cityshade

Parking Directional Panel
- Custom cut aluminum panel
- All graphics to be retroreflective sheeting
  - Field color: Riverblue
  - Text and arrow color: White
  - Font: National 2 Narrow Medium
  - “P” Letter Size: 11”

City Logo Collar
- Painted metal collar sleeved over post
- Screenprinted logo graphic
- Lock in place with set screws
- Color: Cityshade

Location Identifier Collar
- Painted metal collar sleeved over post
- Custom decorative pattern cut into collar
- Lock in place with set screws
- Screenprinted text:
  - Color: White
  - Font: National 2 Condensed Medium
  - Text Size: 2”
  - Text dependent on location, see detailed plans
- Color dependent on location:
  - Downtown District East: Riverblue
  - Downtown District West: Grassygreen

Sign Post
- 3” round aluminum post
- Color: Cityshade
- Alternate: Mount sign to existing post

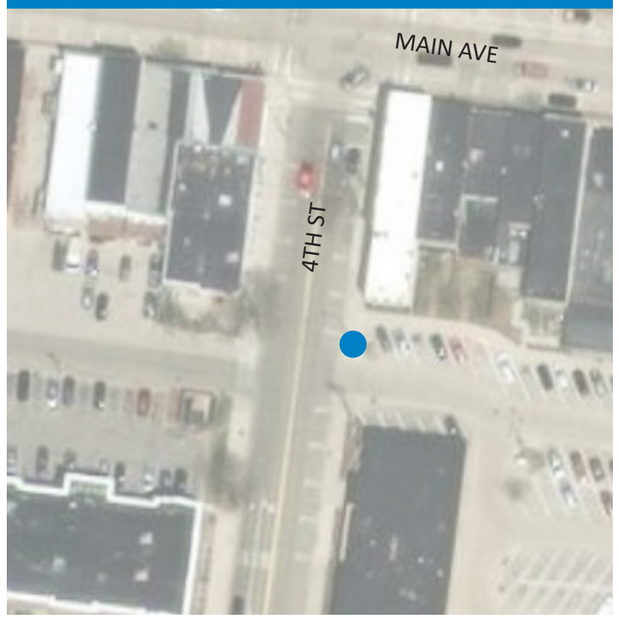
COLORS:

- Riverblue - Pantone 2184C
- Grassygreen - Pantone 370C
- Sunray - Pantone 129C
- Cityshade - Pantone 418C
- Blacktop - Pantone Black C

NOTES:

1. All sign panels to be vandal resistant.
2. No visible hardward on front of sign.
3. Foundation to be designed and stamped by structural engineer.
4. All colors and materials are presented for design intent only. Fabricator shall create and provide samples and/or mock-ups of all materials for final approval.
5. Final artwork and shop drawings to be submitted for City and designer review and approval prior to fabrication.
6. All signs located within public right-of-way shall meet necessary breakaway requirements as established by appropriate agency.
7. Underground utilities to be located and reviewed before finalizing sign locations.
8. Final sign locations to be reviewed and approved in the field by the City and designer prior to site work.
9. Appropriate permits must be acquired from appropriate agency, depending on location, before proceeding with work.

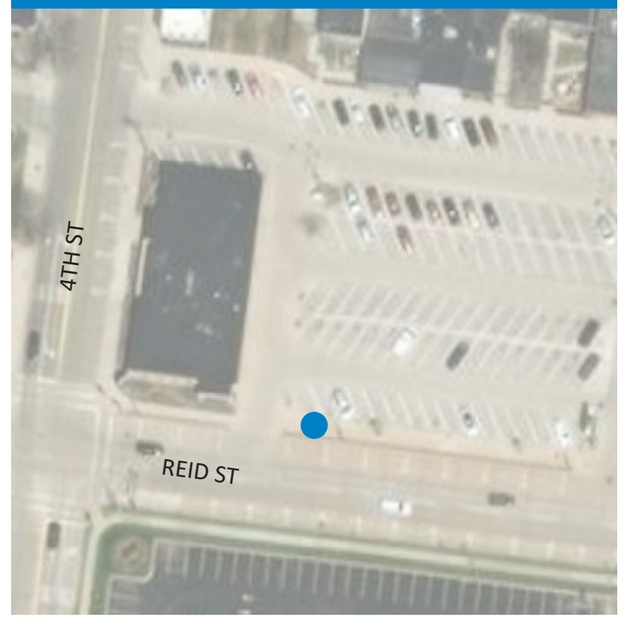
Parking Directional - Location 1



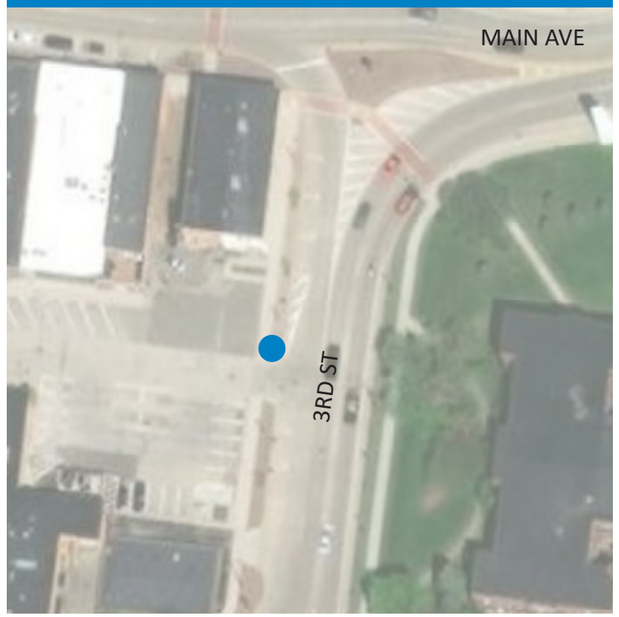
Parking Directional - Location 2



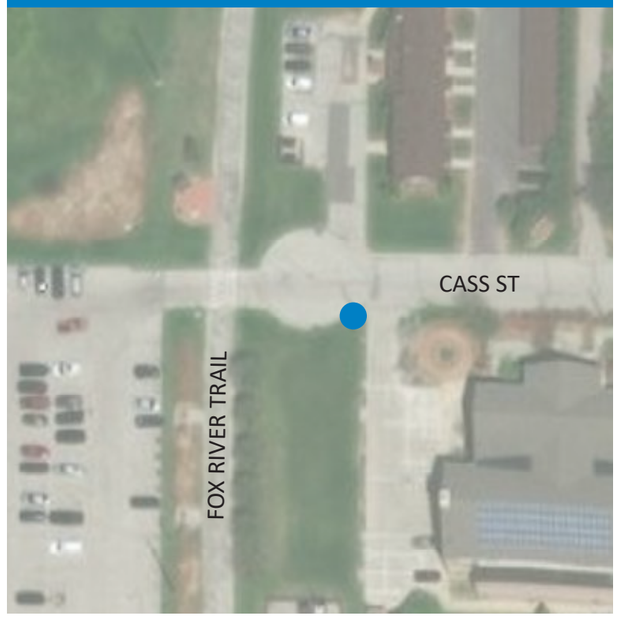
Parking Directional - Location 3



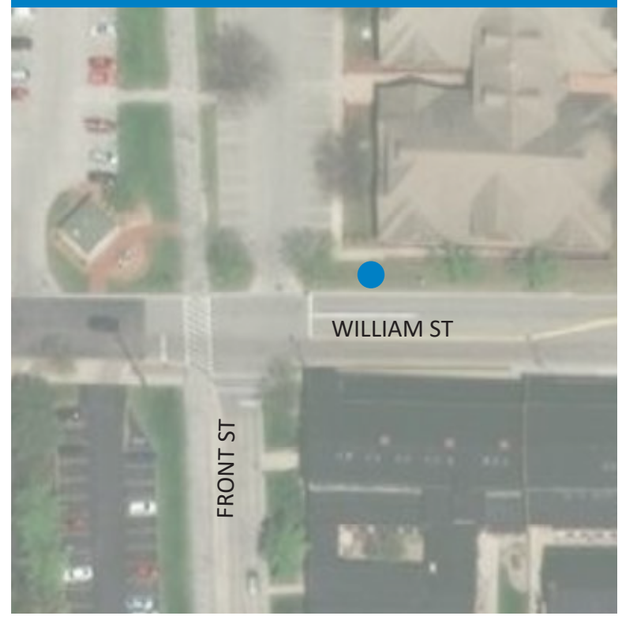
Parking Directional - Location 4



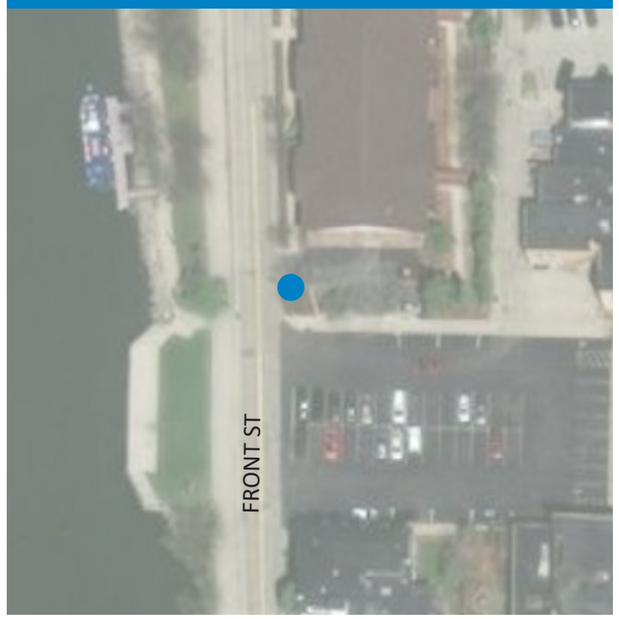
Parking Directional - Location 5



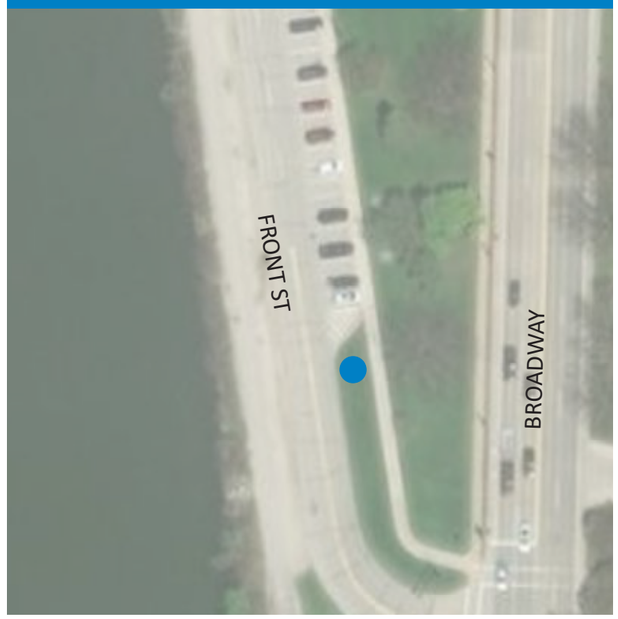
Parking Directional - Location 6



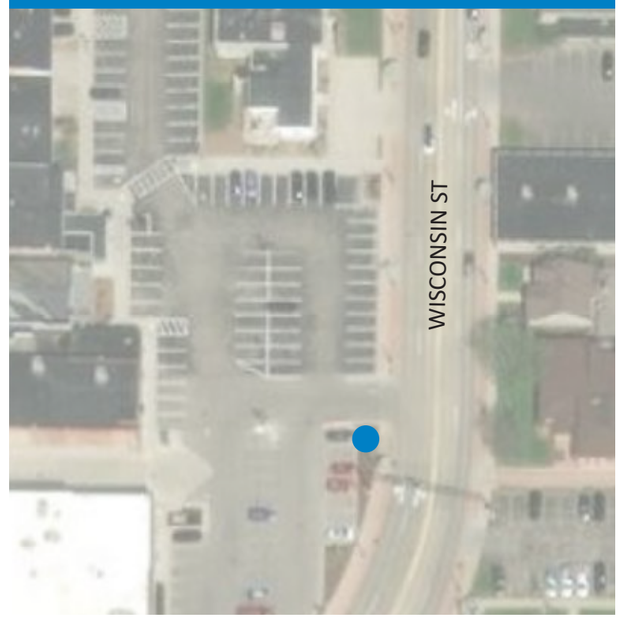
Parking Directional - Location 7



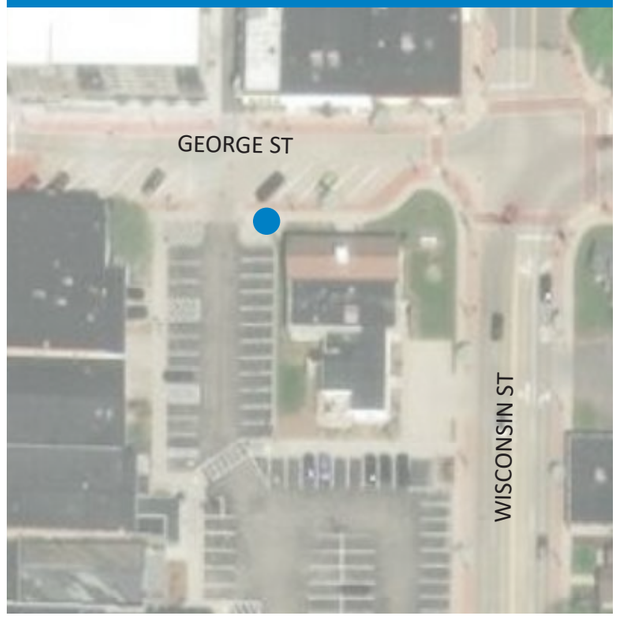
Parking Directional - Location 8



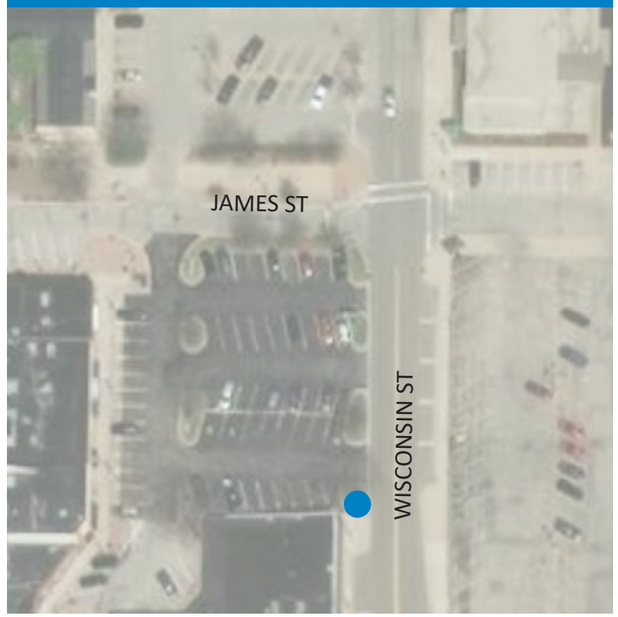
Parking Directional - Location 9



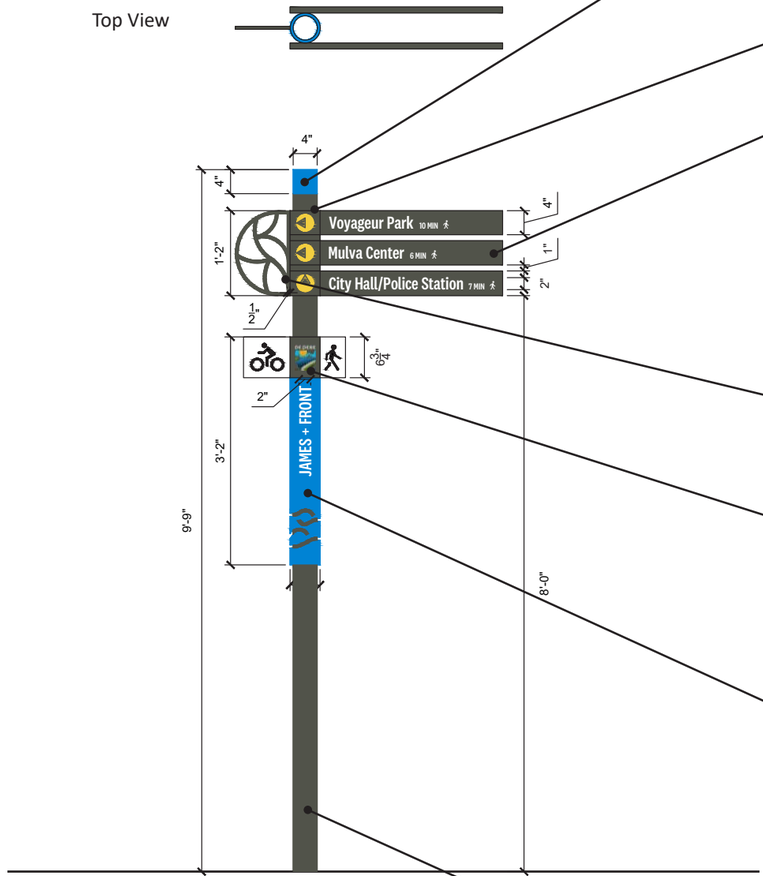
Parking Directional - Location 10



Parking Directional - Location 11



Top View



Decorative Post Top
- Painted metal post top
- Color dependent on location:
  - Downtown District East: Riverblue
  - Downtown District West: Grassygreen

Sign Collar
- Custom clam-shell mount
- Color: Cityshade

Directional Sign Panel
- Changeable aluminum panel
- Mount to sign collar
- Field color: Cityshade
- Screenprinted or applied vinyl lettering and graphics
  - Finish: Matte
  - Color: White
  - Font: National 2 Condensed Medium
  - Location Text Size: 2”
  - Time Text Size: 1”

Decorative Panel
- 1/2” thick aluminum panel
- Custom cut design
- Color: Cityshade

City Logo Collar
- Painted metal collar sleeved over post
- Screenprinted logo graphic
- Lock in place with set screws
- Color: Cityshade
- Alternate: Pedestrian and bicycle symbols on affixed panels

Location Identifier Collar
- Painted metal collar sleeved over post
- Custom decorative pattern cut into collar
- Lock in place with set screws
- Screenprinted text:
  - Color: White
  - Font: National 2 Condensed Medium
  - Text Size: 2”
  - Text dependent on location, see detailed plans
- Color dependent on location:
  - Downtown District East: Riverblue
  - Downtown District West: Grassygreen

Sign Post
- 3” round aluminum post
- Color: Cityshade
- Alternate: Mount sign to existing post

COLORS:

- Riverblue - Pantone 2184C
- Grassygreen - Pantone 370C
- Sunray - Pantone 129C
- Cityshade - Pantone 418C
- Blacktop - Pantone Black C

NOTES:
1. All sign panels to be vandal resistant.
2. No visible hardward on front of sign.
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9. Appropriate permits must be acquired from appropriate agency, depending on location, before proceeding with work.

Pedestrian Directional - Location 1

Collar Location: Main + 4th

West Facing Panels:
- St. Norbert College
  - Up Arrow, 4 minutes
- Downtown East
  - Up Arrow, 10 minutes
- Riverwalk
  - Up Arrow, 18 minutes

East Facing Panels:
- Community Center
  - Up Arrow, 10 minutes
- VFW Park / Aquatic Facility
  - Up Arrow, 14 minutes
- W. De Pere H.S.
  - Up Arrow, 14 minutes



Pedestrian Directional - Location 2

Collar Location: Reid + 4th

West Facing Panels:
- St. Norbert College
  - Up Arrow, 2 minutes
- Downtown East
  - Up Arrow, 12 minutes
- Riverwalk
  - Up Arrow, 20 minutes

East Facing Panels:
- Community Center
  - Up Arrow, 8 minutes
- VFW Park / Aquatic Facility
  - Up Arrow, 12 minutes
- W. De Pere H.S.
  - Up Arrow, 12 minutes



Pedestrian Directional - Location 3

Collar Location: Main + 3rd

West Facing Panels:
- St. Norbert College
  - Right Arrow, 2 minutes
- Downtown East
  - Up Arrow, 8 minutes
- Riverwalk
  - Up Arrow, 16 minutes

East Facing Panels:
- Community Center
  - Up Arrow, 12 minutes
- VFW Park / Aquatic Facility
  - Up Arrow, 16 minutes
- W. De Pere H.S.
  - Up Arrow, 16 minutes

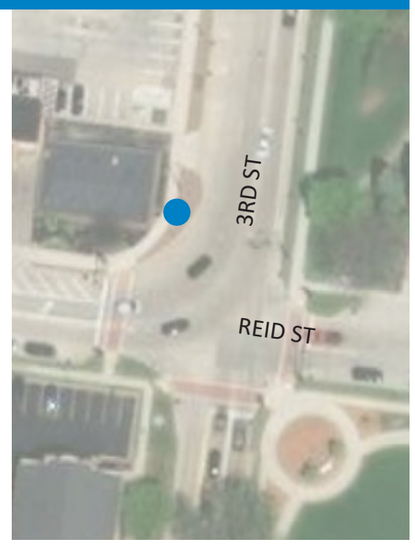


Pedestrian Directional - Location 4

Collar Location: Reid + 3rd

West Facing Panels:
- Downtown District East
  - Left Arrow, 10 minutes
- Riverwalk
  - Left Arrow, 18 minutes
- Main Street Historic District
  - Left Arrow, 2 minutes

East Facing Panels:
- Community Center
  - Up Arrow, 10 minutes
- VFW Park / Aquatic Facility
  - Up Arrow, 14 minutes
- W. De Pere H.S.
  - Up Arrow, 14 minutes



Pedestrian Directional - Location 5

Collar Location: Broadway + William

North Facing Panels:
- City Hall / Police
  - Up Arrow, 8 minutes
- Mulva Center
  - Up Arrow, 6 minutes
- Riverwalk
  - Right Arrow, 4 minutes

South Facing Panels:
- Library
  - Up Arrow, 2 minutes
- White Pillars
  - Up Arrow, 2 minutes
- Voyageur Park
  - Left Arrow, 2 minutes



Pedestrian Directional - Location 6

Collar Location: Front + James

North Facing Panels:
- City Hall / Police
  - Left Arrow, 6 minutes
- Mulva Center
  - Left Arrow, 6 minutes
- Downtown East
  - Left Arrow, 2 minutes

South Facing Panels:
- Riverwalk
  - Up Arrow, 4 minutes
- Voyageur Park
  - Up Arrow, 2 minutes
- Library
  - Right Arrow, 4 minutes



Pedestrian Directional - Location 7

Collar Location: Broadway + George

North Facing Panels:
- City Hall / Police
  - Up Arrow, 4 minutes
- Mulva Center
  - Up Arrow, 2 minutes
- Downtown West
  - Up Arrow, 10 minutes

South Facing Panels:
- Riverwalk
  - Up Arrow, 8 minutes
- Voyageur Park
  - Up Arrow, 6 minutes
- Library
  - Up Arrow, 6 minutes



Pedestrian Directional - Location 8

Collar Location: Wisconsin + George

West Facing Panels:
- City Hall / Police
  - Right Arrow, 6 minutes
- Mulva Center
  - Right Arrow, 4 minutes
- Downtown West
  - Right Arrow, 12 minutes

East Facing Panels:
- Riverwalk
  - Up Arrow, 8 minutes
- Voyageur Park
  - Up Arrow, 6 minutes
- Library
  - Up Arrow, 6 minutes

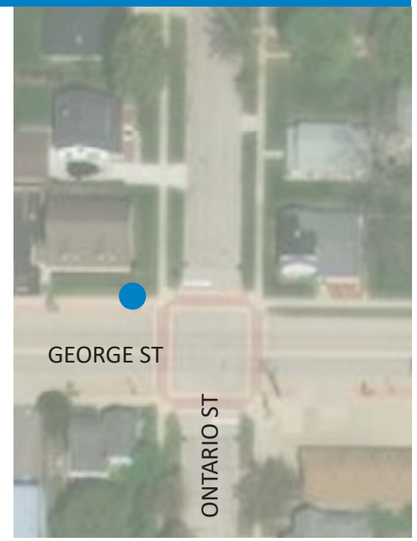


Pedestrian Directional - Location 9

Collar Location: George + Ontario

West Facing Panels:
- De Pere H.S.
  - Right Arrow, 16 minutes
- Legion Park
  - Right Arrow, 2 minutes

East Facing Panels:
- Downtown East
  - Up Arrow, 4 minutes
- City Hall / Police
  - Up Arrow, 10 minutes
- Mulva Center
  - Up Arrow, 8 minutes

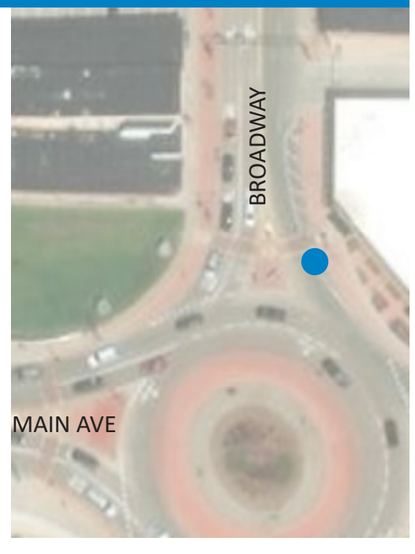


Pedestrian Directional - Location 10

Collar Location: Broadway + Main

North Facing Panels:
- City Hall / Police
  - Up Arrow, 4 minutes
- Downtown West
  - Right Arrow, 8 minutes
- St. Norbert College
  - Right Arrow, 10 minutes

South Facing Panels:
- Riverwalk
  - Up Arrow, 8 minutes
- Voyageur Park
  - Up Arrow, 6 minutes
- Library
  - Up Arrow, 6 minutes



Pedestrian Directional - Location 11

Collar Location: Reid + 5th

West Facing Panels:
- St. Norbert College
  - Up Arrow, 6 minutes
- Downtown East
  - Up Arrow, 14 minutes
- Riverwalk
  - Up Arrow, 22 minutes

East Facing Panels:
- Community Center
  - Left Arrow, 4 minutes
- VFW Park / Aquatic Facility
  - Left Arrow, 10 minutes
- W. De Pere H.S.
  - Left Arrow, 10 minutes



Pedestrian Directional - Location 12

Collar Location: Grant + 3rd

North Facing Panels:
- Community Center
  - Right Arrow, 8 minutes
- VFW Park / Aquatic Facility
  - Right Arrow, 12 minutes
- W. De Pere H.S.
  - Right Arrow, 12 minutes

South Facing Panels:
- Downtown West
  - Up Arrow, 2 minutes
- Downtown East
  - Up Arrow, 10 minutes
- Riverwalk
  - Up Arrow, 20 minutes



Pedestrian Directional - Location 13

Collar Location: Broadway + Cass

North Facing Panels:
- Voyageur Park
  - Right Arrow, 4 minutes
- Riverwalk
  - Up Arrow, 6 minutes
- South Broadway Historic District
  - Up Arrow, 6 minutes

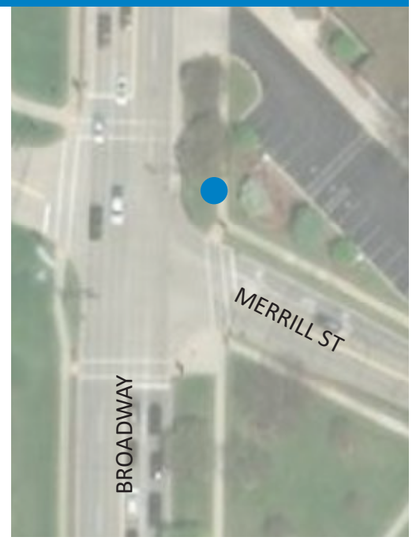
South Facing Panels:
- North Broadway Historic District
  - Up Arrow, 1 minute
- Michigan/Superior Historic District
  - Right Arrow, 2 minutes
- Randall Ave Historic District
  - Up Arrow, 8 minutes



Pedestrian Directional - Location 14

Collar Location: Broadway + Merrill

South Facing Panels:
- Mulva Center
  - Up Arrow, 4 minutes
- Downtown East
  - Up Arrow, 4 minutes
- Riverwalk
  - Up Arrow, 10 minutes

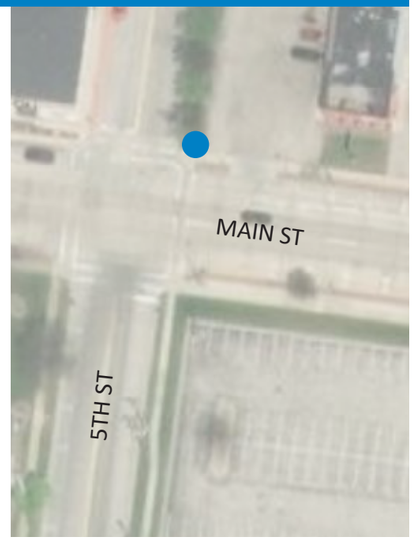


Pedestrian Directional - Location 15

Collar Location: Main + 5th

West Facing Panels:
- St. Norbert College
  - Up Arrow, 7 minutes
- Downtown East
  - Up Arrow, 14 minutes
- Riverwalk
  - Up Arrow, 22 minutes

East Facing Panels:
- Community Center
  - Left Arrow, 6 minutes
- VFW Park / Aquatic Facility
  - Left Arrow, 12 minutes
- W. De Pere H.S.
  - Left Arrow, 12 minutes

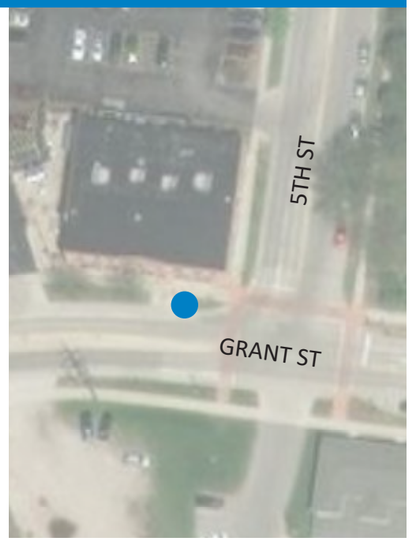


Pedestrian Directional - Location 16

Collar Location: Grant + 5th

West Facing Panels:
- Community Center
  - Up Arrow, 4 minutes
- VFW Park / Aquatic Facility
  - Up Arrow, 8 minutes
- W. De Pere H.S.
  - Up Arrow, 8 minutes

East Facing Panels:
- St. Norbert College
  - Up Arrow, 6 minutes
- Downtown West
  - Left Arrow, 2 minutes
- Downtown East
  - Up Arrow, 14 minutes



Pedestrian Directional - Location 17

Collar Location: Grant + 4th

West Facing Panels:
- St. Norbert College
  - Up Arrow, 2 minutes
- Downtown West
  - Left Arrow, 2 minutes
- Downtown East
  - Up Arrow, 14 minutes

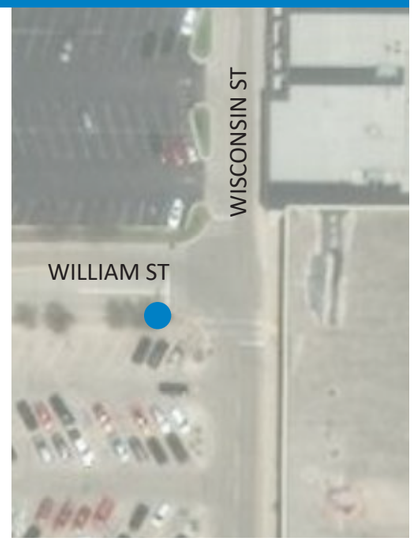
East Facing Panels:
- Community Center
  - Up Arrow, 6 minutes
- VFW Park / Aquatic Facility
  - Up Arrow, 10 minutes
- W. De Pere H.S.
  - Up Arrow, 10 minutes



Pedestrian Directional - Location 18

Collar Location: Wisconsin + William

East Facing Panels:
- Riverwalk
  - Up Arrow, 6 minutes
- Voyageur Park
  - Up Arrow, 4 minutes
- Library
  - Up Arrow, 4 minutes

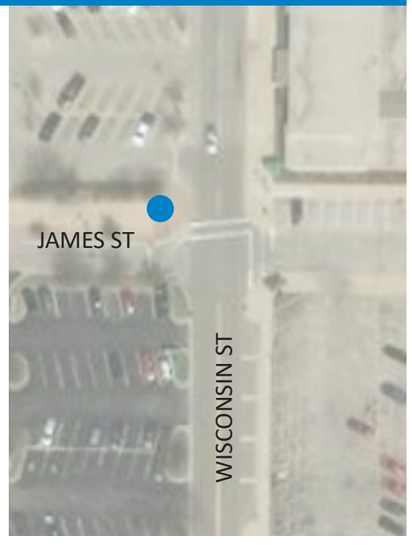


Pedestrian Directional - Location 19

Collar Location: Wisconsin + James

West Facing Panels:
- Mulva Center
  - Right Arrow, 4 minutes

East Facing Panels:
- Riverwalk
  - Up Arrow, 6 minutes
- Voyageur Park
  - Up Arrow, 4 minutes
- Library
  - Up Arrow, 4 minutes



Pedestrian Directional - Location 20

Collar Location: George + Michigan

West Facing Panels:
- De Pere H.S.
  - Up Arrow, 22 minutes
- Legion Park
  - Up Arrow, 8 minutes

East Facing Panels:
- Riverwalk
  - Up Arrow, 8 minutes
- City Hall / Police
  - Up Arrow, 6 minutes
- Mulva Center
  - Up Arrow, 4 minutes

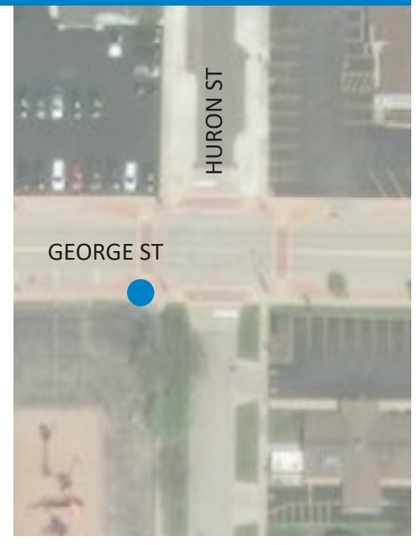


Pedestrian Directional - Location 21

Collar Location: George + Huron

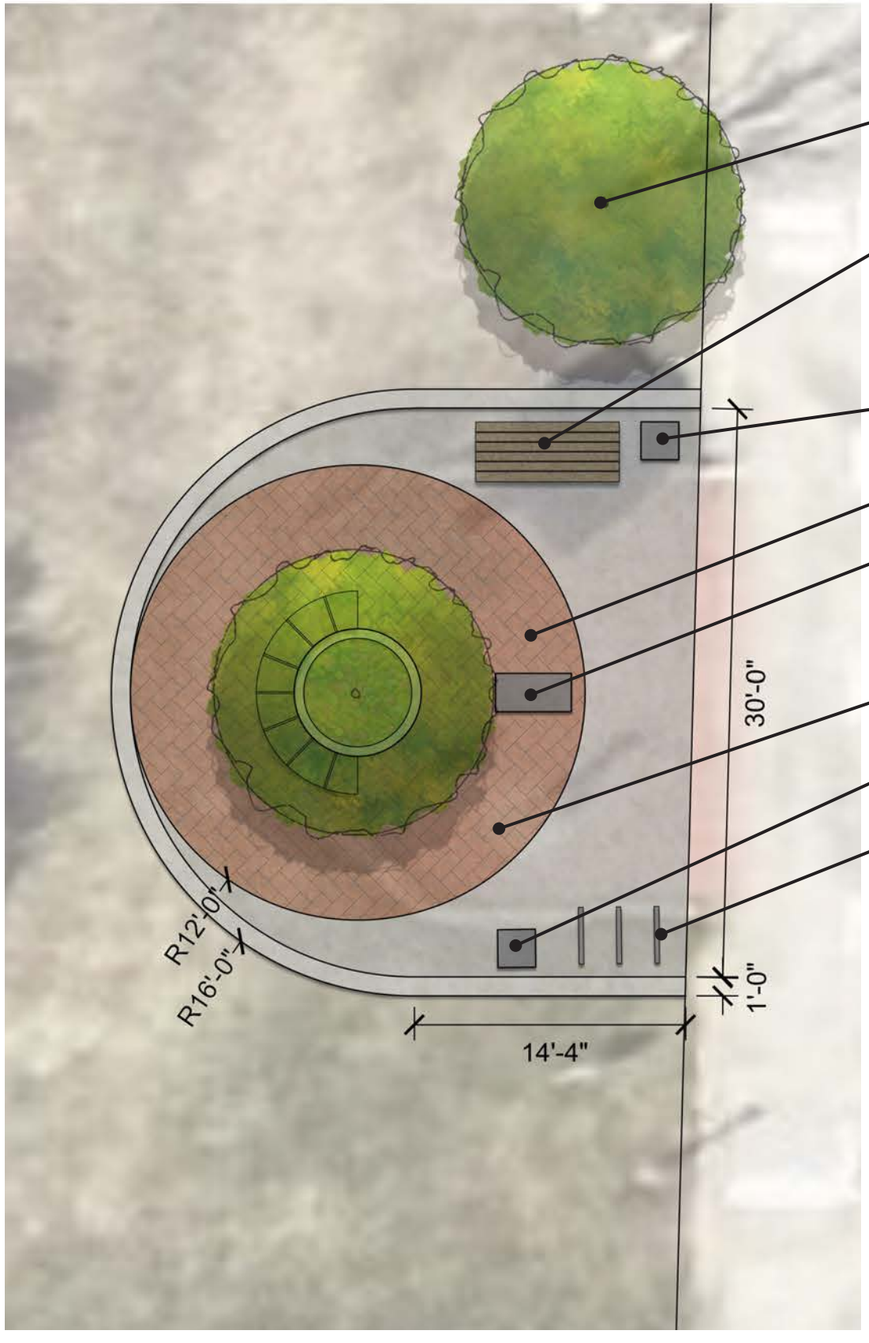
West Facing Panels:
- De Pere H.S.
  - Up Arrow, 18 minutes
- Legion Park
  - Up Arrow, 4 minutes

East Facing Panels:
- Riverwalk
  - Up Arrow, 12 minutes
- City Hall / Police
  - Up Arrow, 10 minutes
- Mulva Center
  - Up Arrow, 8 minutes



	Individual Sign Cost			Extended Cost	
Sign Type	**Low Range**	**High Range**	**Quantity**	**Low Range**	**High Range**
Kiosk					
Static	$20,000	$30,000	7	$140,000	$210,000
Alternate - Digital	$40,000	$55,000	-	-	-
Pedestrian Directional					
Full Custom Sign & Pole	$3,750	$4,750	21	$78,750	$99,750
Roadway Directional					
Full Custom Sign & Pole	$6,800	$7,300	30	$204,000	$219,000
Parking Directional					
Full Custom Sign & Pole	$3,200	$3,900	11	$35,200	$42,900
			TOTAL PROJECT COST:	**$457,950**	**$571,650**

This Opinion of Probable Construction Cost is based upon the preliminary design concepts prepared by Kimley-Horn and Sparc Design Group dated 03/12/21. The Consultant has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Consultant at this time and represent only the Consultant's judgment as a design professional familiar with the construction industry. The Consultant cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.



EXISTING TREE TO REMAIN

TYPICAL BENCH

TRAIL PERMIT STATION

NEW PAVER CIRCLE

DOUBLE-SIDED KIOSK

CONCRETE PAVING

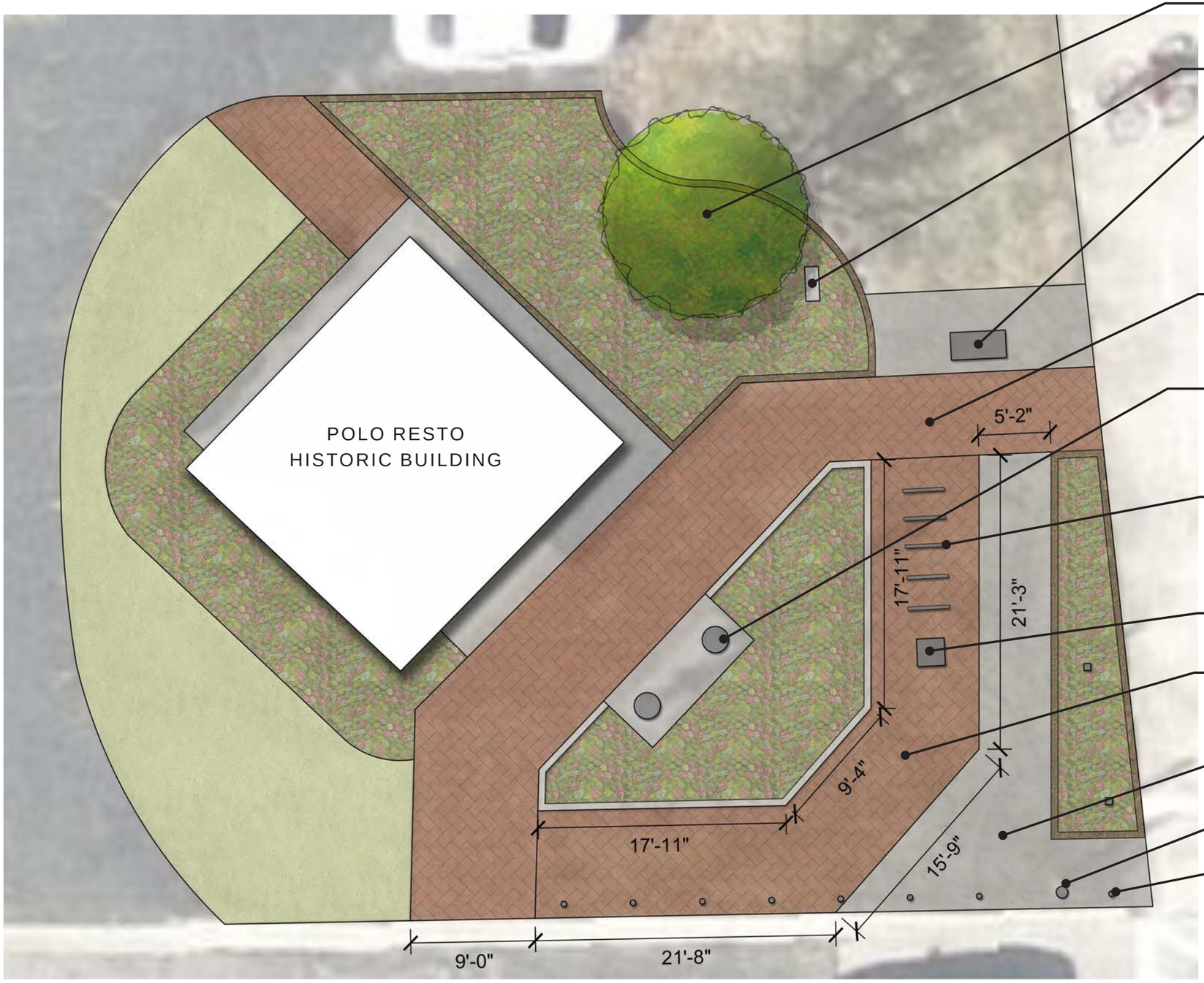
BIKE REPAIR STATION

BIKE RACKS

0 4 8 16

DOWNTOWN WAYFINDING | PREFERRED NODE CONCEPT DESIGN - CASS

DE PERE, WI | MARCH 12, 2021



EXISTING TREE TO REMAIN

EXISTING MEMORIAL BENCH TO REMAIN

DOUBLE-SIDED KIOSK

EXISTING PAVERS TO REMAIN

EXISTING HISTORICAL GAS STATION TO REMAIN

BIKE RACKS

BIKE REPAIR STATION

NEW PAVERS TO MATCH EXISTING

NEW CONCRETE PAVING

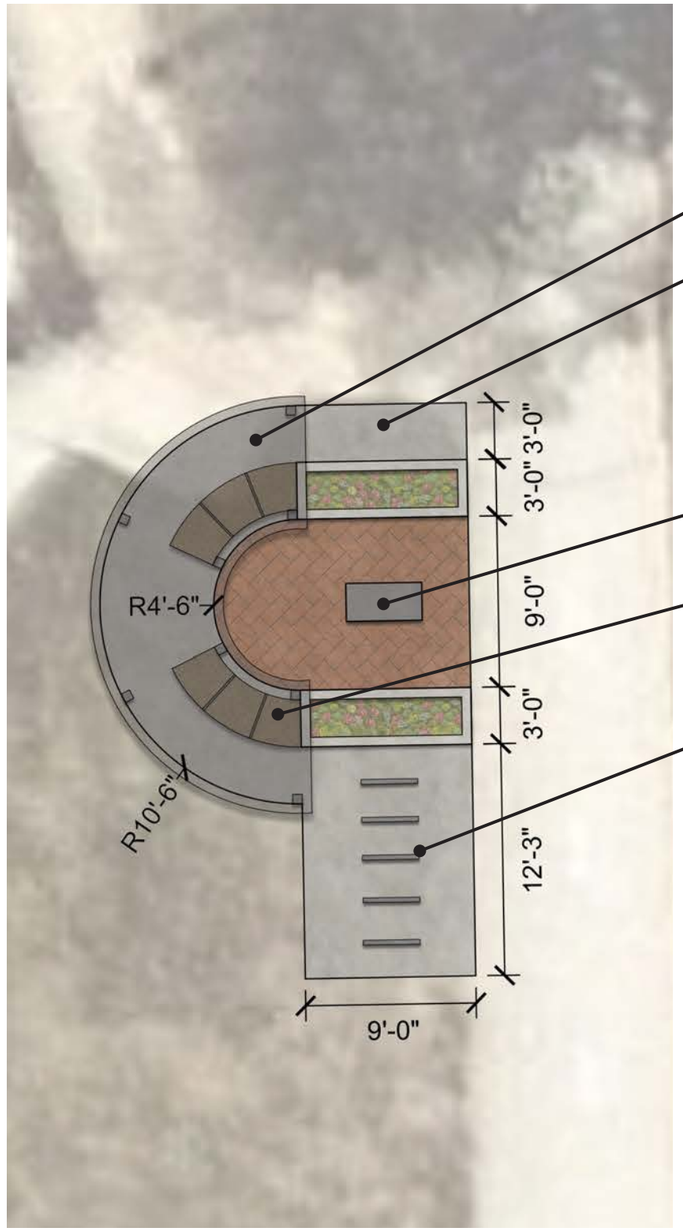
EXISTING SIGNS TO REMAIN

BOLLARDS

0 4 8 16

DOWNTOWN WAYFINDING | PREFERRED NODE CONCEPT DESIGN - POLO RESTO

DE PERE, WI | MARCH 12, 2021







0 4 8 16

DOWNTOWN WAYFINDING | PREFERRED NODE CONCEPT DESIGN - FRONT

DE PERE, WI | MARCH 12, 2021

Kimley»Horn
sparc

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**April 12, 2021**
DEPARTMENT:	**Board of Public Works**
FROM:	**Eric Zygarlicke**
SUBJECT:	**Consideration and Possible Action on Requirement for Private Water System Inspection and Maintenance**

ATTACHMENTS:

- 2021 0412 CI_BOPW_Private Water System (PDF)
- Village of Howard Ordinance (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric Zygarlicke, Water Department Supervisor
Date: April 12, 2021

RE: Requirement for Private Water System Inspection and Maintenance

There are many privately owned and maintained water systems throughout the City. The best example of a larger private water system is that of an apartment or condo complex that may have hundreds or thousands of feet of water main, and a dozen fire hydrants and valves. Examples would be the Coral Street apartment complex, Lake Park Estates, Nicolet Landing, The Gables, and the Nicolet Town Houses. Other examples would be industrial properties, commercial properties and businesses such as the old ShopKo distribution warehouse on Lawrence Dive, the Walmart and Menards complex, Festival Foods on Main Street, and Festival Foods Office complex on Lawrence Drive. These water systems simply consist of extensions of water main distribution piping, valves, fire hydrants and services onto private property. Water flows from De Pere's Water Utility at the utility right of way line, into the private system to be distributed to customers for drinking and firefighting purposes. These systems must perform just like a public system to ensure that water remains clean and flows unrestricted all the way to the customer's tap, and also allow the Fire Department to fight fire.

Currently there are no statewide requirements for private water system maintenance. Surprisingly neither the Department of Natural Resources (DNR) nor the Department of Safety and Professional Services (private plumbing code) require this very important work. However, in the most recent Water Department Sanitary Survey, the DNR made the following recommendation: "*The department encourages the City to move forward in finalizing the development of a private water main maintenance program. Such a program would allow the City to ensure all private water mains are able to provide firefighting capacity when needed and may help reduce water loss due to locating previously unidentified leaks."*

Other than the Village of Howard, very few area municipalities have done so. Some municipalities may assume that the responsibility falls under someone else's jurisdiction. Never the less, private water systems serve De Pere's customers and citizens. If private systems malfunction it compromises our customer's safety as well. Also, if private systems are leaking water, De Pere's Water Utility suffers because metering doesn't occur until the water finally reaches a building. Thus, a private water system loses water at the public's expense, and has no incentive to look for leaking water, much less fix it.

Because these water systems are private, the City of De Pere has no authority to require inspections or maintenance of this private infrastructure. In fact, City of De Pere Water Utility and Fire staff cannot legally go in to operate or inspect the hydrants or valves, or check for leaks without receiving permission, or being invited to do so. Our Water Department, along with the Engineering Department and the Fire Department would like to inspect the hydrants, and to perform the fire flow tests it relies upon to do its job.

In recent years, the City has been improving the way it operates its utilities especially as it relates to water loss and maintenance practices. The City has been doing a system wide leak detection survey every two (2) years to locate leaks in the system. A natural extension of this is to consider how private water systems maintain their critical infrastructure.

For obvious reasons, it is important that private systems provide basic annual maintenance which would offer some reasonable assurance that those water mains, hydrants, and valves will work when the need arises to fight a fire, and maintain clean water. It is also important from a water loss and financial perspective as it affects the De Pere Water Utility's efficiency, and the rates paid by all consumers.

Staff would like to create an ordinance similar to the Village of Howards (see attached) which would establish the requirements for a private water main system.

If the BOPW supports creating a private water system ordinance then staff would bring a draft ordinance for the BOPW to consider at a future meeting. In addition, it would be staff's intent to notify owners of private systems of the City's intent to create the ordinance.

ORDINANCE 2017-05

AN ORDINANCE CREATING DIVISION 7 OF CHAPTER 36 UTILITIES OF THE MUNICIPAL CODE OF THE VILLAGE OF HOWARD RELATING TO PRIVATE WATER SYSTEM INSPECTION, MAINTENANCE AND OPERATION

Whereas, The Village Board hereby determines that providing and maintaining a safe water supply is a vital priority and delivers the highest quality drinking water to its customers.

Whereas, It also provides for the safety and general welfare of residents via the provision of a strong and robust firefighting water supply.

Whereas, The Village Board ensures that its Public Water System, Howard Water Works, is properly inspected, maintained and is fully operational, and it intends to ensure that customers indirectly served by Private Water Systems are also properly inspected, maintained and are fully operational. This is extremely important because the operation of Private Water Systems affect the safety water supply of residents as well as the efficient operation of the Public Water Utility. Private Water Systems are also highly important components of the firefighting water supply system.

Therefore, The Village Board determines that private water systems shall be inspected, maintained and operated according to established regulations, prudent management and best practices including the American Water Works Association (AWWA) and the National Fire Protection Association (NFPA) as follows:

THE VILLAGE BOARD OF THE VILLAGE OF HOWARD, BROWN COUNTY, WISCONSIN DOES ORDAIN THAT DIVISION 7 OF CHAPTER 36 OF THE WATER UTILITY CODE, BE CREATED TO READ AS FOLLOWS:

Division 7 – Private Water Utility Inspection & Maintenance

36-185 General.

(a) Privately owned water distribution systems shall be responsible for ensuring that their system is inspected, maintained and operated to provide an adequate quantity of safe drinking water to those consumers served and for firefighting purposes. This responsibility includes maintaining or contracting for an adequate number of trained staff to perform all duties necessary, performing maintenance and replacement of watermain and appurtenances when necessary to keep the facilities in good operating condition. This responsibility also includes ensuring that sufficient fiscal resources are available for needed repairs and eventual system replacement.

36-186 Applicability.

(a) The following water systems, located on private property, shall comply with the private water system maintenance requirements of this section if they have any of the following:
    1. Systems that have a valve or a fire hydrant.
    2. Systems that have water service to a building or a curb stop from a watermain.
    3. Systems that serve more than one building.

4. Systems that exceed a combined 150 feet of watermain and or service piping measured from the right of way.

36-187 Certified Operator Requirements.

(a) Every private water system shall have a designated operator-in-charge. No person may be an operator-in-charge of a water system subclass unless that person holds a valid certificate for that subclass issued pursuant to Wisconsin Administrative Code (NR) 114.30.

(b) The owner of a private water system shall designate to the Howard Water Utility the operator-in-charge of the water system and provide 24 hour a day contact information. The designated operator-in-charge shall meet the requirements stated in Wisconsin Administrative Code NR 114.32.

(c) Only the operator in charge or persons supervised by the operator-in-charge may operate the private water system. The operator in charge shall coordinate all private water system operations with the Howard Water Utility providing 2 working days notice before operating any fire hydrant or valve.

(d) No person may use or take water from a private water system except for the purpose of extinguishing a fire; or operate valves or hydrants, or damage or impair a private water system; such persons shall be subject to fine per Howard Municipal Ordinance.

36-188 Operational Requirements.

(a) Private water systems shall be operated so as to not restrict water pressure or flow at all locations within their water distribution system under normal operating conditions.

(b) Private water systems shall maintain current fire flow studies and documentation showing the fire flow capability of the system. The private water system owner shall notify the fire chief in writing of the location of all fire hydrants that are temporarily out of service or cannot maintain 500 gpm at 20 psi at ground level.

36-189 Private Water System Maintenance Activities.

(a) Unless an alternate schedule is approved by the Howard Water Utility, each private water system shall perform all the following:

(1) *Valve exercising* . All distribution system valves shall be exercised, consistent with Howard Water Utility policy, at least once every 2 years.
(2) *Hydrant exercising* . All hydrants shall be exercised, consistent with Howard Water Utility policy, at least once every 2 years.
(3) *Hydrant/Valve maintenance, inspection and fire flow testing*. Hydrants and Valves shall be inspected annually and maintained in proper working condition, consistent with the manufacturer's recommendations, American Water Works Association (AWWA) and National Fire Protection Association (NFPA) standards. Fire Hydrants shall be flow tested occasionally sufficient to demonstrate current flow rates.
(4) *Flushing dead-end mains*. Mains shall be flushed to remove sediment or water of poor quality, consistent with Howard Water Utility policy, at least once every 2 years.

(5) *Leakage Detection*. Mains, valves, hydrants and services shall be inspected for leaks according to AWWA M36, consistent with that of the Howard Water Utility policy, at least once every year. Water systems that are master metered at the right of way are exempt from annual leak detection maintenance requirement.
(6) *Hydrant Sandblasting and Painting*. Hydrants shall be sandblasted, primed and painted chrome yellow, caps shall be color coded to the fire flow rate per NFPA, consistent with Howard Water Utility policy, as needed, but not to exceed once every 8-10 years.
(7) *Repair leaks*. Repair leaks that have been identified in a timely manner:

- significant surfacing leaks within 8 hours
- surfacing leaks within 8 hours to 1 day
- minor (barely visible) surfacing leaks within 1 day to 3 days
- non-surfacing detectable leaks within 1 to 2 weeks

(8) *Additional maintenance*. Perform all additional prudent watermain and appurtenance maintenance, repairs or replacements per AWWA and NFPA as necessary to keep the facilities in good operating condition, typically within 4-6 weeks of detection.
(9) *Cost for services performed by the Village shall be placed on the tax roll.* Should the Village, its employees or contractors perform any work at the request of a private system, or perform any work for an immediate safety issue on a private water system, the Village will place the charges for its time and expense on the tax roll of the property pursuant to Wis. Stats. Section 66.0627 or by any other manner allowed by law.

36-190 Record Keeping.

(a) Private water systems shall provide records and documentation of private water system inspections, maintenance and operations to the Howard Water Utility:

(1) Provide documentation of a valid service contract that authorizes the performance of needed maintenance and emergency repair work should the need arise.
(2) Provide and maintain detailed water system as constructed plans and a list of materials, parts and equipment that the system is constructed of.
(3) Provide copies of all maintenance contracts, test records, reports and verification of payment documenting required system maintenance activities have taken place.

36-191 to 36-202 Reserved.

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

Section 3. This ordinance shall take effect upon its adoption and publication.

Approved this 20th day of March, 2017.

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Burt R. McIntyre, Village President

_____

Chris Haltom, Village Clerk

Published 03/24/2017

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**April 12, 2021**
DEPARTMENT:	**Board of Public Works**
FROM:	**Eric Rakers**
SUBJECT:	**Discuss City Engineer Recommendations for No-Action Parking & Traffic Discussion Items**

ATTACHMENTS:

- 2021 0412 CI-BOPW-PTTeam-Discussion (PDF)
- Bomier RRFB Email - Ms. Brey's Concerns (PDF)
- 1-Crosswalk Location Policy - 2017-06-29 (PDF)
- 2-WisDOT TEOpS 4-5-1 (PDF)
- 3-Lawrence Drive Exhibits-PG1 (PDF)
- 4-Lawrence Drive Exhibits-PG2 (PDF)

CITY OF DE PERE

Public Works Department

925 S. Sixth Street, De Pere, WI 54115 | 920-339-4060 | www.de-pere.org

Discuss City Engineer Recommendations on No Action Parking and Traffic Discussion Items
March 31, 2021

Pedestrian and Bicycle Items

1. Consider the installation of Rapid Rectangular Flashing Beacons (RRFB) at Broadway and Bomier Street
    a. *A summary of the review is as follows:*
        - *Pedestrian Counts were performed on March 23, 2021 and March 24tt :*
            - *3/23/2021 - 5 pedestrians from 7 to 9 am*
            - *3/24/2021 – 4 pedestrians from 11am to 1pm,*
            - *3/24/2021, 1 bike from 2:30 to 4:30pm.*
        - *Per WisDOT, the Average Daily Traffic is 19,500*
        - *Rural section, 25mph north, 35 mph south, median refuge island*
    b. *Per Page 7 of the City of De Pere Crosswalk Location Policy, the location does not meet the criteria for an RRFB (see attached).*
    c. *Per the WisDOT Traffic Engineering, Operations and Safety (TEOpS) Manual, Section 4-5-1 this location does not meet the requirements for the installation of an RRFB (see attached).*

Staff does not recommend the installation of RRFB's at this location at this time.

Speed and Speed Limit Signs

2. Request to consider reconstructing Lawrence Drive with traffic calming measures.
    a. *Staff completed a speed review in 2020 along various sections of Lawrence Drive to evaluate speed based on road configuration (rural versus urban section)and land use (field, residential, park, business).*

Location	Road Section	Land Use	Avg Speed	85% Speed
1	Rural	Field	32.5	37.5
2	Rural	Residential/Park	32.0	36.6
3	Urban	Residential	28.6	32.6
4	Urban	Residential	28.4	33.0
5	Urban	Residential/Institutional	31.5	35.4
6	Urban	Business/Field	31.5	35.2

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Staff does not recommend reconstructing Lawrence Drive at this time due to the condition of the pavement. Speeds will likely decrease as more residential development occurs. The Police Department will continue to perform speed enforcement along the corridor. Additionally, a speed board will be placed periodically near the southerly City limit.

Signs - Other

3. Consider warning sign or flashing light at alley on George, between Broadway and Wisconsin
    a. *Per State Statute Chapter 346, Rules of the Road:*
    346.47 When vehicles using alley or nonhighway access to stop.
    (1) The operator of a vehicle emerging from an alley or about to cross or enter a highway from any point of access other than another highway shall stop such vehicle immediately prior to moving on to the sidewalk or on to the sidewalk area extending across the path of such vehicle and shall yield the right-of-way to any pedestrian, bicyclist, personal delivery device, or rider of an electric scooter or an electric personal assistive mobility device, and upon crossing or entering the roadway shall yield the right-of-way to all vehicles approaching on such roadway.

No action.

Future Items

Below is a list of crosswalk evaluations that will be brought back to the Board in May. Staff is completing pedestrian counts and traffic evaluations.

1. Consider RRFB's at Chicago and Crestview
2. Consider the installation of RRFB's at Chicago and O'Hearn
3. Evaluate crosswalk at Main and Seventh – Consider RRFB's
4. Request to install RRFB's at the intersection of Ryan Road and s. Melcorn Circle
5. Request to paint crosswalks at the intersection of Ryan Road and s. Melcorn Circle

Jonathon Hansen

Actions

To: Scott Thoresen; Eric Rakers

Cc: Larry Delo; Kelly Ruh; Kelly Ruh; James Boyd

Sent Items Tuesday, March 2, 2021 4:26 PM

To help protect your privacy, some content in this message has been blocked. If you're sure this message is from a trusted sender and you want to re-enable the blocked features, click here.

Hi Scott and Eric,

I requested that staff look into a RRFB at the crosswalk at Bomier and Broadway last year, and I know staff still has this request on their list of pending items. However, I just received the following message from Peggy Brey of 403 S. Michigan St:

I have a request for a flashing pedestrian sign at Bomier and Broadway. I just crossed from the trail. A passenger truck stopped but then 2 vehicles tried to pass in the other lane while he was waiting. Then a vehicle in the northbound lane could clearly see me and she kept going - I had to stop for her.

I know staff procedure is to do pedestrian counts, but for what it's worth, I drive that way frequently, and I often see pedestrians struggling to cross. There is a median, although the the spot for pedestrians to stand is quite small, and close to the oncoming traffic. It is also a long crosswalk, even with the median to break it up. If staff could please prioritize this request, that would be appreciated.

Thank you,

Jonathon

Ald. Jonathon M. Hansen
De Pere City Council
District 2 (Southeast De Pere)
920-425-4265
jhansen@mail.de-pere.org

Appendix

City of De Pere
Crosswalk Location Policy

City of De Pere Crosswalk Policy

June 29, 2017

Background

Wisconsin State Statute, 346.24(1) states that 'motorists are required to yield to pedestrians at an intersection with pedestrian facilities, whether the crosswalk is marked or not'.

The purpose of marked crosswalks at intersections or midblock locations is to indicate optimal or preferred locations for pedestrians to cross a street. Marked crosswalks are intended to provide pedestrians with a feeling of confidence that it is safe to cross a street at a marked location and to give drivers adequate warning to expect that pedestrians will be in the roadway. However, marked crosswalks can also prompt many pedestrians to feel a false sense of safety when using a marked crosswalk.

This policy covers where and how to mark crosswalks, related to the following topics:

- General Crosswalk Location Principles
- Traffic Engineering Studies
- Marking Crosswalks at Unsignalized Intersections
- Marking Crosswalks at Controlled Intersections
- Marking Crosswalks at Mid-Block Locations
- Removal of Crosswalk Markings
- Crosswalk Stripping Patterns

This policy replaces the existing City Department of Public Works policy on 'Crosswalks on Through Streets', dated March 12, 2012.

General Crosswalk Location Principles

It is recognized that pedestrians are sensitive to out-of-the-way travel and that reasonable accommodations should be made to make crossings both convenient and safe allowing pedestrians to cross streets at regular intervals.

The following general principles should be considered when identifying pedestrian crosswalk locations:

1. Arterial street crosswalk locations should be consistent with the City of De Pere *Bicycle and Pedestrian Plan*. Depending on the street network configuration and intersection spacing, pedestrians in dense urban areas should not be expected to walk more than 400 feet out their way to cross a street to reach their destination.
2. Marked crosswalks should be installed where there is:
    a. A substantial conflict between vehicle and pedestrian movements,
    b. Where significant pedestrian concentrations occur,
    c. Where pedestrians would not otherwise recognize the proper place to cross, and
    d. Where traffic movements are controlled
3. Crosswalks should not be installed at locations where sidewalks do not exist.

The widely used national guideline regarding crosswalk markings is documented in the *Manual on Uniform Traffic Control Devices* (*MUTCD*) Section 3B-17 and 3B-18 (6). It states that crosswalks should be marked at all intersections where there is a substantial conflict between vehicular and pedestrian movements.

The Federal Highway Administration (FHWA) advises that the overuse of crosswalk markings should be avoided to maximize their effectiveness. Crosswalks and sign treatments (such as the "State Law – Yield to Pedestrians" and rectangular rapid flash beacon signs – RRFB's) should be used discriminately within a city so that the effectiveness of these treatments is not deteriorated by overuse. Although these treatments may be effective at individual locations, overuse of these treatments city-wide may lead to a decrease in their value as drivers can become desensitized to them.

National pedestrian safety research studies documented in the FHWA Report HRT-04-100, *'Safety Effects of Marked versus Unmarked Crosswalks at Uncontrolled Locations'*, September, 2005 concluded that there is no significant effect on pedestrian crashes between marked versus unmarked crosswalks under the following conditions:

- Two-lane streets
- Multilane streets without raised medians and ADT's below 12,000 vpd
- Multilane streets with raised medians and ADT's below 15,000 vpd

The research report also concludes that crosswalks should not be marked on 2-lane roadways with ADT's greater than 9,000 vpd, or 4-lane roadways with average daily traffic (ADT's) greater than 12,000 vpd, unless other special treatments such as median refuge islands, curb extensions, overhead lighting, pedestrian activated signals or warning lights are provided along with a Traffic Engineering Study that concludes pedestrian safety will be improved by the special treatments.

For multilane streets with ADT's above these volumes, it can be expected that there will be a significant increase in pedestrian crashes on streets with marked crosswalks, compared to streets with unmarked crosswalks (after controlling for traffic ADT and pedestrian ADT). Table 1 provides initial guidance on whether an uncontrolled location might be a candidate for a marked crosswalk and/or whether additional geometric and/or traffic control improvements are needed.

Marked crosswalks may be installed on 4-lane streets without a raised median with a 35 mph or less posted speed limit and ADT's exceeding 15,000 vpd with the installation of a pedestrian signal such as a 'High-Intensity Activated Crosswalk' (HAWK) beacon' or 'Rectangular Rapid Flashing Beacon' (RRFB's) as shown on Table 1. The installation of HAWK beacons should satisfy the *MUTCD* Warrant requirements. Figure 1 provides a Crosswalk Request and Enhancement Process Flow Chart based on the information in Table 1 and the crosswalk location principles described above.

Table 1: Guidelines for Installing Marked Crosswalks and Other Needed Pedestrian Safety Improvements at Uncontrolled Locations*

Roadway Type (Number of Travel Lanes and Median Type)	Vehicle ADT < 9,000			Vehicle ADT >9,000-12,000			Vehicle ADT >12,000-15,000			Vehicle ADT >15,000		
	Speed Limit (mph)**											
	<30	35	40	< 30	35	40	< 30	35	40	<30	35	40
Two lanes	C	C	P	C	C	P	C	C	N	C	P	N
Three lanes	C	C	P	C	P	P	P	P	N	P	N	N
Multilane (4 of more lanes) with raised median***	C	C	P	C	P	N	P	P	N	N	N	N
Multilane (4 or more lanes) without raised median	C	P	N	P	P	N	N	N	N	N	N	N

These guidelines include intersection and midblock locations with no traffic signals or stop signs on the approach to the crossing. They do not apply to school crossings. A two-way center turn lane is not considered as a median. Crosswalks should not be installed at locations that could present an increased safety risk to pedestrians, such as where there is poor sight distance, complex or confusing designs, a substantial volume of heavy trucks, or other dangers, without first providing adequate design features and/or traffic control devices. Adding crosswalks alone will not make crossing safer, nor will they necessarily result in more vehicles stopping for pedestrians. Whether marked crosswalks are installed, it is important to consider other pedestrian facility enhancements (e.g., raised crosswalks, traffic signal, roadway narrowing, enhanced overhead lighting, traffic taming measures, curb extensions), as needed to improve the safety of the crossing. These are general recommendations, good engineering judgement should be used in individual cases for deciding where to install crosswalks.

** Where the speed limit exceeds 40 mph marked crosswalks alone should not be used at unsignalized locations.

The Legend for Table 1 is as follows:

C = Candidate sites for marked crosswalks. Marked crosswalks must be installed safely and selectively. Before installing new marked crosswalks, an engineering study is needed to determine whether the location is suitable for a marked crosswalk. For an engineering study, a site review may be sufficient at some locations, while a more in-depth study of pedestrian volume, vehicle speed, sight distance, vehicle mix, etc. may be needed at other sites. It is recommended that a minimum of 20 pedestrian crossings per hour (or 15 elderly and/or child pedestrians) exist at a location before placing a high priority on the installation of a marked crosswalk.

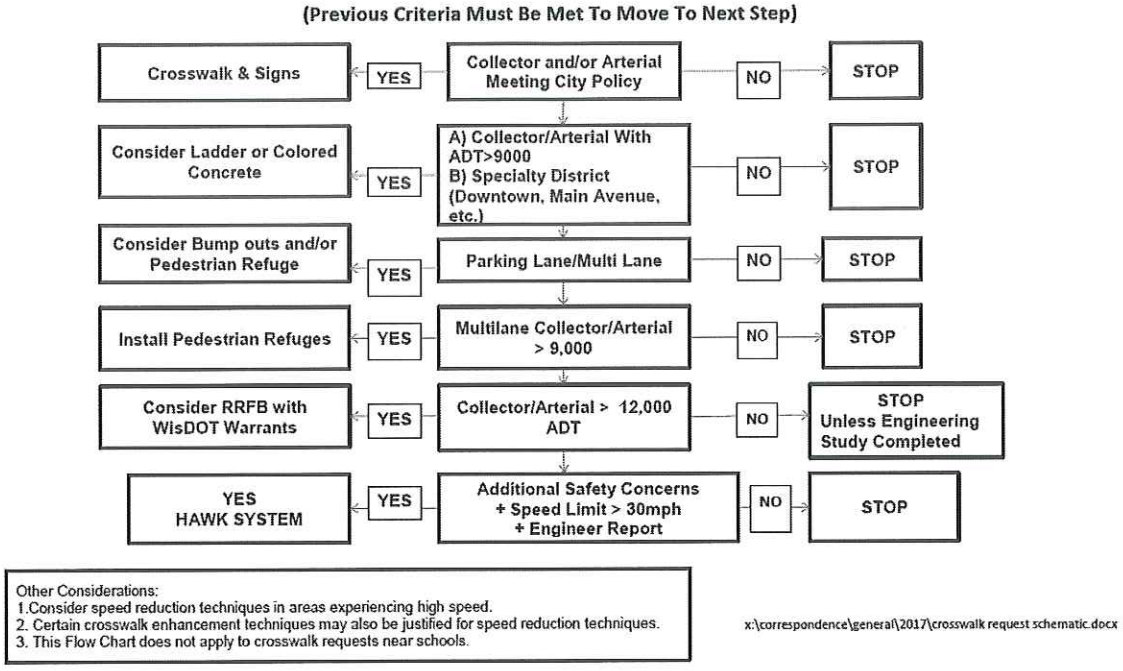
P = Possible increase in pedestrian crash risk may occur if crosswalks are added without other pedestrian facility enhancements. These locations should be closely monitored and enhanced with other pedestrian crossing improvement measures, if necessary, before adding a marked crosswalk.

N = Marked crosswalks alone are not sufficient, since crash risk may be increased due to providing a marked crosswalk alone. Consider using other treatments, such as traffic taming treatments, traffic signals with pedestrians signals where warranted, or other substantial crossing improvements to improve crossing safety for pedestrians.

*** The raised median or crossing island must be at least 4 feet wide and 6 feet long to adequately serve as a refuge area for pedestrians in accordance with MUTCD and American Association of State Highway and Transportation Officials (AASHTO) guidelines.

Source: *Guidance for Installation of Pedestrian Crosswalks on Minnesota State Highways,* October, 2005

Figure 1: Crosswalk Request and Enhancement Process Flow Chart



Traffic Engineering Studies

A traffic engineering study is required to determine if the guidelines in this Policy and *MUTCD* warrants are satisfied for the installation of a marked crosswalk at a particular location. The components of a Traffic Engineering Study will vary by location, but typically should include consideration of:

- Speed and volume on the street involved
- Pedestrian volume, age and level of mobility
- Location of pedestrian origins and destinations and crossing patterns
- Existing sidewalk network and sidewalk ramps
- Adequacy of sight distances and absence of sight obstructions
- Street characteristics including grade, curvature, pavement markings, pavement widths, number of vehicle and bicycle lanes
- Location of adjacent driveways
- On-street parking
- Street lighting
- Location of drainage structures
- Distance to nearest marked crossing
- Traffic signal progression
- Potential for rear-end crashes

Crosswalk Markings at Unsignalized Intersections
Pedestrian crosswalks should not be installed at street intersections that are not controlled by a traffic signal, a STOP sign or a YIELD sign unless all of the following criteria are met:

- The speed limit is 40 mph or less; and
- There are 20 or more pedestrians using the crossing per hour during the peak morning and evening traffic time periods (lower volumes may be considered if a large percentage of the pedestrians consist of young, elderly or disabled pedestrians; or 15 or more pedestrians per hour during multiple hours throughout the day; and
- The two-way traffic ADT for the street exceeds 4,000 vpd; and
- A sidewalk or adequate shoulder is provided for use by pedestrians on both sides of the street approach; and
- There is not another crosswalk across the same roadway within 400 feet of the intersection; and
- Adequate stopping sight distance (equal to or exceeding that for the posted speed) is available in both directions as determined in accordance with guidance contained in the American Association of State Highway and Transportation Officials (AASHTO) '*Policy on the Design of Highways and Streets'.*

Additional design treatments such as crosswalk signing, pedestrian median refuge islands, advance stop bars, HAWK beacons or RRFB's should be considered for crosswalks on streets with four or more moving traffic lanes. The installation of HAWK or RRFB's should satisfy the following criteria.

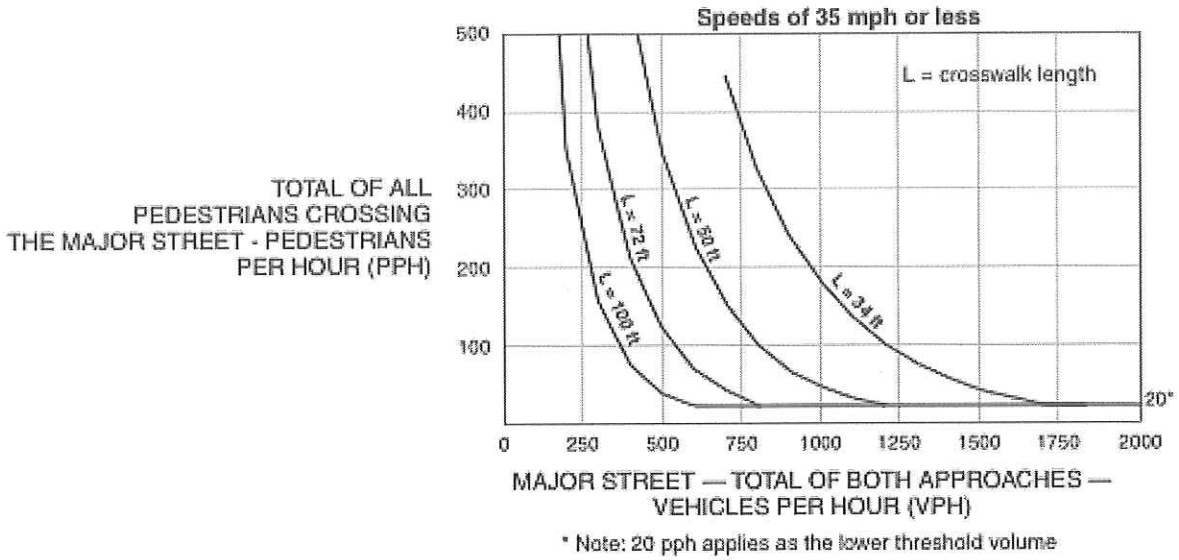
HAWK beacons can be evaluated for marked crosswalk locations with significant pedestrian demand that satisfy the *Manual on Uniform Traffic Control Devices* (*MUTCD)* traffic speed and volume warrants. In general, they should be used if:

1) There are an insufficient number of gaps in traffic to permit pedestrians to cross;
2) Vehicle speeds on the major street are too high to permit pedestrians to cross safely; or
3) Pedestrian delay is excessive.

Bus stop and school crossings are frequently good locations to consider HAWK beacons.

Figure 2 from the *MUTCD* identifies threshold criteria for the installation of HAWK beacons, shown with curves, for various crosswalk lengths based on the number of pedestrians and traffic volume for streets with traffic speeds of 35 mph or less. If pedestrian and traffic volumes exceed the threshold curve criteria, a HAWK beacon may be considered.

Figure 2: MUTCD Recommended Traffic Thresholds for HAWK Beacon Consideration



The WisDOT *Traffic Guidelines Manual,* Section 4-5-2 indicates that RRFB's may be considered based if the following conditions exist:

- Location is an uncontrolled pedestrian crossing.
- Minimum volume* thresholds should be met:
  - 20 or more pedestrians during a single hour (any four consecutive 15-minute time periods) of an average day, or
  - 18 or more pedestrians during each of any two hours of an average day, or
  - 15 or more pedestrians during each of any three hours of an average day.

  *Young (<12), elderly (>85) and disabled pedestrians count 2X toward volume thresholds. Additionally, seasonal day volumes can be used in place of average day volumes if the crossing is a known tourist area.
- A minimum vehicle volume of 1,500 vehicles per day.
- Maximum of four lanes crossed, unless there is a raised median, in which case it can be five lanes.
- There exists a minimum of 300 feet between the subject crossing and the nearest controlled pedestrian crossing or intersection traffic control device on the state trunk highway system. Consideration should be given to extending this distance beyond 300 feet if the proposed crosswalk location falls within an auxiliary turn lane for the nearby intersection or if the standing queue from the intersection extends over the proposed crosswalk location.
- The approach speed is posted at 40 mph or less.
- Adequate stopping sight distance exists based on FDM 11-10-5 or greater than 8 times the posted speed limit.

Crosswalk Markings at Controlled Intersections
Unless a pedestrian crossing is prohibited, marked crosswalks should be provided at all intersection approaches controlled by traffic signals. Intersection approaches controlled by STOP signs can be recommended for marked crosswalks if any of the following conditions apply:

- Crosswalk is located in a school area; or
- Elderly or disabled pedestrian volumes of 20 or more per hour are expected during the peak hour of pedestrian demand; or
- Pedestrian volumes of 60 or more are expected during the peak hour of pedestrian demand and traffic volumes of 6,000 vpd are expected to cross over the crosswalk; or
- Safety or efficiency reasons dictate directing pedestrians to a particular leg of an intersection; or STOP sign approach on a major or minor arterial street.

Crosswalk Markings at Mid-Block Locations
Mid-block crosswalks should only be installed if marked and established by a Traffic Engineering Study and approved by City Council action. Midblock crossings should only be installed at locations where pedestrians would be expected to need to cross the street. Because mid-block pedestrian activity is not expected by drivers, additional safety measures including signage, parking restrictions and HAWK beacons or RRFB's should be installed. Other pedestrian safety measures can include curb bulbouts. Mid-block crosswalks should only be installed if the following conditions exist:

- Mid-block crosswalks should be considered only if there is sufficient demand according to the following criteria:
    - Pedestrian volumes exceed 40 or more during the peak hour of pedestrian demand; or
    - Significant pedestrian trip generators (such as schools, parks or commercial buildings) are on both sides of the street between controlled intersections.
- The location is more than 300 feet from a controlled intersection;
- Adequate stopping sight distance exists between approaching motorists and pedestrians starting to cross the proposed crosswalk;
- The crosswalk location has adequate street lighting; and
- Safety considerations attributed to roadway configuration, traffic volumes or speeds do not preclude establishing a crosswalk.

Removal of Crosswalk Markings
These guidelines should not be used to justify removal of existing crosswalk markings. In most circumstances, additional safety measures should be considered prior to removal of crosswalk markings.

In general, removal of existing crosswalks should be avoided. In exceptional cases, closing a crosswalk or keeping a crosswalk closed may be justified even if a crosswalk meets the criteria outlined elsewhere in this Policy.

Speed Limit Sign Beacon: Refer to WisMUTCD Section 4L.04. The department rarely, if ever, would install and maintain flashing beacons with speed limit signs or school speed limit signs. Local authorities **shall** follow the permit requirements stated below.

Warning Beacon: Refer to WisMUTCD Section 4L.03.

Flashing Beacon Design & Installation

The following provisions pertain to the installation, operation, and maintenance of flashing beacons other than rectangular rapid flashing beacons (RRFBs) on the state trunk highway system.

1. Location
    a. Ground mount: Flashing beacons *may* be ground mounted, where they will be approximately one foot above the sign they supplement. The sign *should* be in the lateral and vertical location as specified in the WisMUTCD Part 2 (no change). Illustrations of typical ground-mount installations are in Figure 1 below.
    b. Overhead mount: A flashing beacon *may* be mounted on one or both sides of an overhead sign. It *may* be mounted above the sign if the entire assembly including the sign has a minimum clearance of 17 feet.
2. For state-maintained installations, the standard size of flashing beacons is 12 inches in diameter. At the discretion of the regional traffic engineer, permitted (not state-maintained) installations that are in areas with a posted speed less than 30mph *may* use 8-inch diameter beacons.
3. Ground-mounted supports **shall** be the same as are normally used to support the sign, and of the same cross-section as normally used. These **shall** be 4 x 4 or cross-drilled 4 x 6 posts, or in urban areas signal posts on concrete footings, or light poles or wood poles where speeds are low. Usage of any kind of pole **shall** be in conformance with the offsets specified in highway lighting permit policy, FDM 11-15-1.
4. The installation of two posts, one for the sign and the other for the flashing beacon, is not permissible within the clear zone because of the unpredictable behavior of the combination of two posts when struck.
5. Service poles must be offset to the right-of-way line or in conformance with offsets in FDM 11-15-1.
6. Service *may* drop to the top of the support, which would be extended to maintain an 18-foot minimum wire-to-ground clearance as per Wisconsin electrical code. Service *should* preferably be installed underground. In the latter case, the conduit **shall** be run up and attached to the post or pole. The control box *may* be mounted on the post or pole.
7. At the discretion of the regional traffic engineer, solar-powered flashing beacon installations *may* be allowed on the STH system provided the installation meets applicable electrical and crash standards.
8. According to TEOpS 2-1-8, flashing beacons and STOP or STOP AHEAD signs that incorporate flashing displays (e.g. blinker signs) **shall not** be used at the same intersection approach.

Warning Beacon (i.e., RRFBs) Design & Installation

Yellow flashers are to be used with any yellow warning (W-series) signs and school speed limit signs. Actuated blinker signs are supplementary to warning signs. When used, they **shall** be mounted on the same support as the sign which the beacon supplements in accordance with WisMUTCD 4L.03.

At locations where it is determined that the use of warning sign enhancements signs is desirable, a permit *may* be issued for the installation and maintenance of these blinker-type signs. Permitted installations are subject to the approval of the Department and the conditions of this policy. Additionally, permits are revocable at the discretion of the Department.

It is recognized that the use of warning sign enhancements *may* affect STH traffic operations by increasing delay and reducing mobility, especially if used near existing signalized or stop controlled intersections. The following location criteria *should* be met prior to approval:

1. The location is an uncontrolled pedestrian crossing.
2. A minimum volume of 20 or more pedestrians during a single hour (any four consecutive 15-minute periods) of an average day *should* be met. Young (<12), elderly (>85) and disable pedestrians count 2 times toward volume thresholds. Additionally, seasonal day volumes can be used in place of average day volumes if the crossing is in a known tourist area.



DE PERE

CITY OF DE PERE

ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115
OFFICE 920-339-4061 FAX 920-339-4071

LAWRENCE DRIVE
SPEED EXHIBITS

NAME:

PROJECT #

	BY	DATE
SURVEYED	SRL	07-2020
DRAWN	XXX	11-2010
DESIGNED	XXX	11-2010
CHECKED	EPR	03-2021

REVISIONS / ISSUES

NO.	DATE	BY	REMARKS

PAGE NO.

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City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**April 12, 2021**
DEPARTMENT:	**Board of Public Works**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on award of Contract 21-01 Sewer and Water Relay and Street Resurfacing***

ATTACHMENTS:

- 2021 0412 CI_BOPW_Award_21-01 (PDF)
- 2021 0318 Project 21-01 Bid Tab (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: April 12, 2021

RE: **Consideration and possible action on award of Contract 21-01 Sewer and Water Relay and Street Resurfacing***

The Engineering Department received bids for Project 21-01 Sewer and Water Relay and Street Resurfacing on March 18, 2021. This project involves the relaying of water main at various locations around the City due to the deteriorated condition of the utility. Additionally, the streets will be milled and resurfaced. Portions of the proposed work are to be completed as part of agreements with St. Norbert College and the West De Pere School District:

- St. Norbert College
  - Restriping of Reid Street on the eastern approach at 3rd Street.
  - Expansion of the mid-block pedestrian crossing bump-out between 3rd Street and Kunkel Way.
- West De Pere School District
  - Pedestrian crossing bump-out between the West De Pere High School and VFW Park.

The bids received are as follows:

Contractor	Amount
Dorner, Inc.	$1,411,405.70
Jossart Brothers, Inc.	$1,414,752.35
Advance Construction, Inc.	$1,515,275.50
De Groot, Inc.	$1,599,253.09
Soper Sewer & Water, LLC	$1,852,992.50

The allocated amount from the capital improvement budget is $1,291,000 which is below the bid amount. The breakdown is as follows:

- General Obligation Debt: $150,000
- Sewerage Utility Fund: $145,000
- Water Utility Fund: $820,000
- Storm Water Utility Fund: $ 90,000
- Park Department $ 8,000
- St. Norbert College: $23,000
- West De Pere School District: $55,000

The cost overage on this project is primarily due to increased cost of water main that has occurred in 2021. This situation occurred for Project 21-02, Erie Street Reconstruction and Utility Relay also.

For Project 21-01, the cost for water main installation is $945,644.63 which is $125,644.63 above the

allocated funds. Staff has reviewed the options for the overage and determined the following three:

1. Bond for an additional amount of $170,000 (includes additional funds for contingency) to cover the water main overage.
2. There has been discussion that the City may be eligible for up to $2,000,000 in Covid relief funds due to increased expenses. The funds could be used for the increased water main cost.
3. Reduce the amount of water main being installed on the project, in particular, along Ridgeway Boulevard.

Staff's recommendation is to accept the bid from Dorner, Inc. in the amount of $1,411,405.70 and bond for the additional funds and if Covid relief funds become available use this to pay the additional water main costs.

Attachments:

2021 0318 CE_21-01 Bid Tab (PDF)

DE PERE

PROJECT 21-01 SEWER AND WATER RELAY AND STREET RESURFACING
BID TAB

				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3		BIDDER NO. 4		BIDDER NO. 5	
				Dorner, Inc		Jossart Brothers, Inc		Advance Construction, Inc		De Groot, Inc		Soper Sewer & Water LLC	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
SANITARY SEWER CONSTRUCTION													
SS-01	Remove and Relay 8" PVC Sanitary Sewer	LF	560	$ 90.00	$ 50,400.00	$ 85.00	$ 47,600.00	$ 113.00	$ 63,280.00	$ 84.02	$ 47,051.20	$ 140.00	$ 78,400.00
SS-02	Remove and Relay 6" or 4" PVC Sanitary Lateral	LF	410	$ 80.00	$ 32,800.00	$ 94.00	$ 38,540.00	$ 117.00	$ 47,970.00	$ 86.48	$ 35,456.80	$ 92.00	$ 37,720.00
SS-03	Provide 8" x 6" or 8" x 4" Sanitary Wye	EA	15	$ 546.00	$ 8,190.00	$ 100.00	$ 1,500.00	$ 93.00	$ 1,395.00	$ 905.64	$ 13,584.60	$ 200.00	$ 3,000.00
SS-04	Remove and Replace 4' Diameter Sanitary Sewer Manhole	VF	8	$ 427.00	$ 3,416.00	$ 385.00	$ 3,080.00	$ 496.00	$ 3,968.00	$ 504.77	$ 4,038.16	$ 400.00	$ 3,200.00
SS-05	Provide 4' Diameter Sanitary Sewer Manhole	VF	8	$ 412.00	$ 3,296.00	$ 390.00	$ 3,120.00	$ 451.00	$ 3,608.00	$ 505.00	$ 4,040.00	$ 380.00	$ 3,040.00
SS-06	Dig Down and Repair Offset Joint (5-foot)	EA	4	$ 2,888.00	$ 11,552.00	$ 3,600.00	$ 14,400.00	$ 3,500.00	$ 14,000.00	$ 3,336.49	$ 13,345.96	$ 7,500.00	$ 30,000.00
SS-07	Dig Down and Verify Active Sanitary Sewer Lateral	EA	2	$ 748.00	$ 1,496.00	$ 750.00	$ 1,500.00	$ 750.00	$ 1,500.00	$ 1,515.00	$ 3,030.00	$ 1,600.00	$ 3,200.00
SS-08	Connect to Existing Sanitary Sewer Manhole	EA	2	$ 716.00	$ 1,432.00	$ 750.00	$ 1,500.00	$ 500.00	$ 1,000.00	$ 2,525.00	$ 5,050.00	$ 1,500.00	$ 3,000.00
SS-09	Abandon/Remove Sanitary Sewer and Appurtenances	LS	1	$ 2,310.00	$ 2,310.00	$ 2,500.00	$ 2,500.00	$ 500.00	$ 500.00	$ 4,545.00	$ 4,545.00	$ 2,000.00	$ 2,000.00
STORM SEWER CONSTRUCTION													
ST-01	Remove and Relay 18" PVC, PP or RCP (Class III) Storm Sewer	LF	20	$ 81.00	$ 1,620.00	$ 75.00	$ 1,500.00	$ 93.00	$ 1,860.00	$ 111.55	$ 2,231.00	$ 90.00	$ 1,800.00
ST-02	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	120	$ 74.00	$ 8,880.00	$ 70.00	$ 8,400.00	$ 78.00	$ 9,360.00	$ 88.09	$ 10,570.80	$ 84.00	$ 10,080.00
ST-03	Provide 8" PVC Storm Sewer	LF	360	$ 50.00	$ 18,000.00	$ 52.00	$ 18,720.00	$ 61.00	$ 21,960.00	$ 56.03	$ 20,170.80	$ 80.00	$ 28,800.00
ST-04	Provide 6" PVC Storm Sewer Lateral	LF	275	$ 46.00	$ 12,650.00	$ 48.00	$ 13,200.00	$ 62.00	$ 17,050.00	$ 58.21	$ 16,007.75	$ 60.00	$ 16,500.00
ST-05	Provide 36" x 6" Storm Branch or Inserta Tee	EA	1	$ 746.00	$ 746.00	$ 200.00	$ 200.00	$ 278.00	$ 278.00	$ 1,442.28	$ 1,442.28	$ 500.00	$ 500.00
ST-06	Provide 12" x 6" Storm Branch or Inserta Tee	EA	1	$ 746.00	$ 746.00	$ 200.00	$ 200.00	$ 278.00	$ 278.00	$ 1,442.28	$ 1,442.28	$ 500.00	$ 500.00
ST-07	Provide 8" x 6" Storm Branch or Inserta Tee	EA	6	$ 180.00	$ 1,080.00	$ 175.00	$ 1,050.00	$ 278.00	$ 1,668.00	$ 482.78	$ 2,896.68	$ 400.00	$ 2,400.00
ST-08	Remove and Replace 5' Diameter Storm Manhole	VF	5	$ 896.00	$ 4,480.00	$ 680.00	$ 3,400.00	$ 1,397.00	$ 6,985.00	$ 873.67	$ 4,368.35	$ 800.00	$ 4,000.00
ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	10	$ 530.00	$ 5,300.00	$ 540.00	$ 5,400.00	$ 572.00	$ 5,720.00	$ 627.66	$ 6,276.60	$ 830.00	$ 8,300.00
ST-10	Provide 4' Diameter Storm Manhole	VF	4	$ 546.00	$ 2,184.00	$ 540.00	$ 2,160.00	$ 522.00	$ 2,088.00	$ 631.25	$ 2,525.00	$ 600.00	$ 2,400.00
ST-11	Remove and Replace Type B Inlet	EA	6	$ 2,022.00	$ 12,132.00	$ 2,100.00	$ 12,600.00	$ 2,037.00	$ 12,222.00	$ 1,941.07	$ 11,646.42	$ 2,400.00	$ 14,400.00
ST-12	Connect to Structure and/or Existing Pipe	EA	1	$ 695.00	$ 695.00	$ 750.00	$ 750.00	$ 500.00	$ 500.00	$ 1,515.00	$ 1,515.00	$ 1,450.00	$ 1,450.00
ST-13	24" x 10' Spot Repair	EA	1	$ 3,122.00	$ 3,122.00	$ 4,500.00	$ 4,500.00	$ 3,800.00	$ 3,800.00	$ 4,361.00	$ 4,361.00	$ 6,000.00	$ 6,000.00
WATER MAIN CONSTRUCTION													
W-01	Provide 16" PVC Water Main-Directional Drill	LF	600	$ 230.00	$ 138,000.00	$ 295.00	$ 177,000.00	$ 192.00	$ 115,200.00	$ 298.32	$ 178,992.00	$ 340.00	$ 204,000.00
W-02	Provide 16" PVC Water Main-Open Cut (Granular Backfill)	LF	300	$ 189.00	$ 56,700.00	$ 190.00	$ 57,000.00	$ 166.00	$ 49,800.00	$ 251.16	$ 75,348.00	$ 260.00	$ 78,000.00
W-03	Provide 12" PVC Water Main-Open Cut (Natural Backfill)	LF	100	$ 100.00	$ 10,000.00	$ 75.00	$ 7,500.00	$ 106.00	$ 10,600.00	$ 134.36	$ 13,436.00	$ 150.00	$ 15,000.00
W-04	Provide 12" PVC Water Main-Open Cut (Granular Backfill)	LF	950	$ 125.00	$ 118,750.00	$ 95.00	$ 90,250.00	$ 112.00	$ 106,400.00	$ 111.88	$ 106,286.00	$ 165.00	$ 156,750.00
W-05	Provide 8" PVC Water Main-Open Cut (Granular Backfill)	LF	1300	$ 90.00	$ 117,000.00	$ 88.00	$ 114,400.00	$ 96.00	$ 124,800.00	$ 88.39	$ 114,907.00	$ 94.00	$ 122,200.00
W-06	Provide 8" PVC Water Main-Directional Drill	LF	900	$ 107.00	$ 96,300.00	$ 115.00	$ 103,500.00	$ 96.00	$ 86,400.00	$ 116.43	$ 104,787.00	$ 150.00	$ 135,000.00
W-07	Provide 6" PVC Water Main & Hydrant Lead- Open Cut	LF	200	$ 87.00	$ 17,400.00	$ 80.00	$ 16,000.00	$ 80.00	$ 16,000.00	$ 85.22	$ 17,044.00	$ 90.00	$ 18,000.00
W-08	Provide 8" PVC Service Lateral	LF	50	$ 120.00	$ 6,000.00	$ 98.00	$ 4,900.00	$ 150.00	$ 7,500.00	$ 87.32	$ 4,366.00	$ 120.00	$ 6,000.00
W-09	Provide 6" PVC Service Lateral	LF	110	$ 110.00	$ 12,100.00	$ 93.00	$ 10,230.00	$ 150.00	$ 16,500.00	$ 81.58	$ 8,973.80	$ 100.00	$ 11,000.00
W-10	Provide 4" PVC Service Lateral	LF	50	$ 100.00	$ 5,000.00	$ 90.00	$ 4,500.00	$ 150.00	$ 7,500.00	$ 77.60	$ 3,880.00	$ 100.00	$ 5,000.00
W-11	Provide 2" HDPE Water Service-Open Cut	LF	50	$ 61.00	$ 3,050.00	$ 82.00	$ 4,100.00	$ 121.00	$ 6,050.00	$ 65.78	$ 3,289.00	$ 100.00	$ 5,000.00
W-12	Provide 1" HDPE Water Service-Open Cut	LF	700	$ 60.00	$ 42,000.00	$ 80.00	$ 56,000.00	$ 120.00	$ 84,000.00	$ 71.75	$ 50,225.00	$ 90.00	$ 63,000.00
W-13	Provide 1" HDPE Water Service-Directional Drill	LF	500	$ 28.00	$ 14,000.00	$ 30.00	$ 15,000.00	$ 60.00	$ 30,000.00	$ 47.22	$ 23,610.00	$ 82.00	$ 41,000.00
W-14	Provide 2" Corporation with Plug/Saddle with 2" Galvanized	EA	4	$ 1,009.00	$ 4,036.00	$ 750.00	$ 3,000.00	$ 1,352.00	$ 5,408.00	$ 1,113.27	$ 4,453.08	$ 1,200.00	$ 4,800.00
W-15	Provide 2" Corporation and Curb Stop	EA	1	$ 1,349.00	$ 1,349.00	$ 1,150.00	$ 1,150.00	$ 1,527.00	$ 1,527.00	$ 1,693.77	$ 1,693.77	$ 1,000.00	$ 1,000.00
W-16	Provide 1" Corporation and Curb Stop	EA	35	$ 768.00	$ 26,880.00	$ 435.00	$ 15,225.00	$ 830.00	$ 29,050.00	$ 1,089.76	$ 38,141.60	$ 600.00	$ 21,000.00
W-17	Provide 16" Butterfly Valve	EA	4	$ 3,778.00	$ 15,112.00	$ 3,800.00	$ 15,200.00	$ 3,473.00	$ 13,892.00	$ 3,962.23	$ 15,848.92	$ 3,840.00	$ 15,360.00
W-18	Provide 12" Gate Valve	EA	3	$ 3,402.00	$ 10,206.00	$ 3,450.00	$ 10,350.00	$ 3,091.00	$ 9,273.00	$ 3,475.41	$ 10,426.23	$ 3,000.00	$ 9,000.00
W-19	Provide 8" Gate Valve	EA	11	$ 1,976.00	$ 21,736.00	$ 1,975.00	$ 21,725.00	$ 1,792.00	$ 19,712.00	$ 2,138.17	$ 23,519.87	$ 1,680.00	$ 18,480.00
W-20	Provide 6" Gate Valve	EA	6	$ 1,440.00	$ 8,640.00	$ 1,430.00	$ 8,580.00	$ 1,300.00	$ 7,800.00	$ 1,608.93	$ 9,653.58	$ 1,200.00	$ 7,200.00
W-21	Provide 4" Gate Valve	EA	1	$ 1,202.00	$ 1,202.00	$ 1,200.00	$ 1,200.00	$ 1,100.00	$ 1,100.00	$ 1,358.45	$ 1,358.45	$ 1,000.00	$ 1,000.00
W-22	Provide Connection to Existing Water Main	EA	12	$ 1,846.00	$ 22,152.00	$ 2,000.00	$ 24,000.00	$ 3,000.00	$ 36,000.00	$ 2,609.16	$ 31,309.92	$ 2,000.00	$ 24,000.00
W-23	Provide Connection to Existing Asbestos Cement Water Main	EA	1	$ 1,831.00	$ 1,831.00	$ 2,500.00	$ 2,500.00	$ 3,000.00	$ 3,000.00	$ 2,988.59	$ 2,988.59	$ 10,000.00	$ 10,000.00
W-24	Provide Connection to Existing Water Main 16" x 8" Tapping Tee and Valve	EA	2	$ 5,792.00	$ 11,584.00	$ 6,000.00	$ 12,000.00	$ 6,600.00	$ 13,200.00	$ 7,102.32	$ 14,204.64	$ 12,000.00	$ 24,000.00
W-25	Provide Connection to Existing Water Main 16" x 6" Tapping Tee and Valve	EA	2	$ 4,999.00	$ 9,998.00	$ 5,500.00	$ 11,000.00	$ 5,799.00	$ 11,598.00	$ 3,331.99	$ 6,663.98	$ 12,000.00	$ 24,000.00
W-26	Provide Connection to Existing Water Main 8" x 8" Tapping Tee and Valve	EA	2	$ 4,672.00	$ 9,344.00	$ 5,200.00	$ 10,400.00	$ 5,717.00	$ 11,434.00	$ 5,774.17	$ 11,548.34	$ 6,000.00	$ 12,000.00
W-27	Provide Hydrant (8.0' Bury)	EA	1	$ 4,664.00	$ 4,664.00	$ 4,350.00	$ 4,350.00	$ 5,151.00	$ 5,151.00	$ 4,546.01	$ 4,546.01	$ 4,400.00	$ 4,400.00
W-28	Provide Hydrant (7.5' Bury)	EA	2	$ 4,591.00	$ 9,182.00	$ 4,300.00	$ 8,600.00	$ 5,083.00	$ 10,166.00	$ 4,486.93	$ 8,973.86	$ 4,040.00	$ 8,080.00
W-29	Provide Hydrant (7.0' Bury)	EA	2	$ 4,513.00	$ 9,026.00	$ 4,200.00	$ 8,400.00	$ 5,011.00	$ 10,022.00	$ 4,406.13	$ 8,812.26	$ 4,000.00	$ 8,000.00
W-30	Provide Hydrant (6.5' Bury)	EA	1	$ 4,441.00	$ 4,441.00	$ 4,150.00	$ 4,150.00	$ 4,950.00	$ 4,950.00	$ 4,337.95	$ 4,337.95	$ 4,000.00	$ 4,000.00
W-31	Provide Hydrant (5.5' Bury)	EA	1	$ 4,290.00	$ 4,290.00	$ 4,000.00	$ 4,000.00	$ 4,805.00	$ 4,805.00	$ 4,196.55	$ 4,196.55	$ 4,000.00	$ 4,000.00
W-32	Provide 16" Water Offset	EA	2	$ 6,222.00	$ 12,444.00	$ 3,000.00	$ 6,000.00	$ 6,568.00	$ 13,136.00	$ 7,997.18	$ 15,994.36	$ 12,000.00	$ 24,000.00
W-33	Provide 12" Water Main 1/2 Offset	EA	2	$ 2,355.00	$ 4,710.00	$ 2,500.00	$ 5,000.00	$ 2,764.00	$ 5,528.00	$ 5,482.28	$ 10,964.56	$ 10,000.00	$ 20,000.00
W-34	Provide 8" Water Main Offset	EA	1	$ 2,777.00	$ 2,777.00	$ 2,000.00	$ 2,000.00	$ 3,524.00	$ 3,524.00	$ 4,064.24	$ 4,064.24	$ 6,450.00	$ 6,450.00
W-35	Provide 8" Water Main 1/2 Offset	EA	2	$ 1,866.00	$ 3,732.00	$ 1,250.00	$ 2,500.00	$ 2,400.00	$ 4,800.00	$ 3,047.17	$ 6,094.34	$ 6,000.00	$ 12,000.00
W-36	Provide 8" Water Service Offset	EA	2	$ 2,224.00	$ 4,448.00	$ 1,250.00	$ 2,500.00	$ 3,100.00	$ 6,200.00	$ 3,547.12	$ 7,094.24	$ 6,000.00	$ 12,000.00

DE PERE

PROJECT 21-01 SEWER AND WATER RELAY AND STREET RESURFACING
BID TAB

				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3		BIDDER NO. 4		BIDDER NO. 5	
				Dorner, Inc		Jossart Brothers, Inc		Advance Construction, Inc		De Groot, Inc		Soper Sewer & Water LLC	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
W-37	Provide 6" Water Service Offset	EA	3	$ 1,849.00	$ 5,547.00	$ 1,000.00	$ 3,000.00	$ 2,386.00	$ 7,158.00	$ 2,914.86	$ 8,744.58	$ 6,000.00	$ 18,000.00
W-38	Provide 4" Water Service Offset	EA	1	$ 1,608.00	$ 1,608.00	$ 750.00	$ 750.00	$ 2,274.00	$ 2,274.00	$ 2,299.77	$ 2,299.77	$ 6,000.00	$ 6,000.00
W-39	Abandon/Remove Water Main and Appurtenances	LS	1	$ 11,809.00	$ 11,809.00	$ 7,500.00	$ 7,500.00	$ 2,000.00	$ 2,000.00	$ 6,565.00	$ 6,565.00	$ 12,000.00	$ 12,000.00
W-40	Remove and Replace 6' Diameter Water Valve Manhole and 12" Gate Valve	LS	1	$ 8,381.00	$ 8,381.00	$ 8,500.00	$ 8,500.00	$ 10,000.00	$ 10,000.00	$ 9,306.16	$ 9,306.16	$ 8,000.00	$ 8,000.00
STREET AND DRAINAGE CONSTRUCTION													
SD-01	Unclassified Excavation	CY	50	$ 30.00	$ 1,500.00	$ 25.00	$ 1,250.00	$ 35.00	$ 1,750.00	$ 25.25	$ 1,262.50	$ 35.00	$ 1,750.00
SD-02	Mill Asphaltic Concrete Pavement	SY	2350	$ 2.30	$ 5,405.00	$ 2.21	$ 5,193.50	$ 2.15	$ 5,052.50	$ 2.28	$ 5,358.00	$ 4.00	$ 9,400.00
SD-03	Pulverize Asphaltic Concrete Pavement and Aggregate	SY	2300	$ 0.60	$ 1,380.00	$ 0.57	$ 1,311.00	$ 0.55	$ 1,265.00	$ 0.59	$ 1,357.00	$ 1.40	$ 3,220.00
SD-04	Provide 1 1/4" Crushed Aggregate Base Course	TON	40	$ 18.00	$ 720.00	$ 15.00	$ 600.00	$ 18.00	$ 720.00	$ 27.27	$ 1,090.80	$ 20.00	$ 800.00
SD-05	Provide Asphaltic Concrete Pavement Type 4 LT 58-28 S, 1 3/4" Overlay or Upper Layer	TON	300	$ 68.90	$ 20,670.00	$ 67.21	$ 20,163.00	$ 65.25	$ 19,575.00	$ 69.20	$ 20,760.00	$ 74.00	$ 22,200.00
SD-06	Provide Asphaltic Concrete Pavement Type 4 LT 58-28 S, 2" Overlay or Upper Layer	TON	325	$ 69.00	$ 22,425.00	$ 67.36	$ 21,892.00	$ 65.40	$ 21,255.00	$ 69.36	$ 22,542.00	$ 70.20	$ 22,815.00
SD-07	Provide Asphaltic Concrete Pavement Type 3 LT 58-28 S, 2 1/4" Lower Layer	TON	600	$ 76.00	$ 45,600.00	$ 74.16	$ 44,496.00	$ 72.00	$ 43,200.00	$ 76.89	$ 46,134.00	$ 90.00	$ 54,000.00
SD-08	Provide Full-Depth Asphaltic Concrete Pavement Patch (4")	SY	240	$ 32.70	$ 7,848.00	$ 31.93	$ 7,663.20	$ 31.00	$ 7,440.00	$ 32.88	$ 7,891.20	$ 56.00	$ 13,440.00
SD-09	Remove and Replace 24" Concrete Curb and Gutter	LF	900	$ 40.40	$ 36,360.00	$ 45.00	$ 40,500.00	$ 38.00	$ 34,200.00	$ 52.51	$ 47,259.00	$ 40.00	$ 36,000.00
SD-10	Remove and Replace 24" Concrete Curb and Gutter (Integral)	LF	350	$ 21.70	$ 7,595.00	$ 28.00	$ 9,800.00	$ 20.00	$ 7,000.00	$ 33.68	$ 11,788.00	$ 20.00	$ 7,000.00
SD-11	Remove and Replace 24" Temp. Asphaltic Concrete Curb and Gutter	LF	50	$ 34.10	$ 1,705.00	$ 32.70	$ 1,635.00	$ 36.75	$ 1,837.50	$ 48.82	$ 2,441.00	$ 20.00	$ 1,000.00
SD-12	Remove and Replace 8" Doweled Concrete Pavement w/ Integral Curb (HES-3DAY)	SY	10	$ 78.20	$ 782.00	$ 85.00	$ 850.00	$ 92.00	$ 920.00	$ 90.95	$ 909.50	$ 80.00	$ 800.00
SD-13	Remove and Replace 8" Doweled Concrete Pavement w/ Integral Curb	SY	820	$ 69.70	$ 57,154.00	$ 75.00	$ 61,500.00	$ 89.00	$ 72,980.00	$ 78.22	$ 64,140.40	$ 70.00	$ 57,400.00
SD-14	Remove and Replace 8" Doweled, Stamped & Colored Concrete Pavement	SY	25	$ 104.80	$ 2,620.00	$ 110.00	$ 2,750.00	$ 130.00	$ 3,250.00	$ 108.98	$ 2,724.50	$ 100.00	$ 2,500.00
SD-15	Remove and Replace 6" Concrete Sidewalk, Driveway and Ramp	SY	150	$ 60.70	$ 9,105.00	$ 64.00	$ 9,600.00	$ 75.00	$ 11,250.00	$ 78.29	$ 11,743.50	$ 60.00	$ 9,000.00
SD-16	Remove and Replace 4" Concrete Sidewalk	SY	325	$ 58.40	$ 18,980.00	$ 62.00	$ 20,150.00	$ 69.00	$ 22,425.00	$ 75.90	$ 24,667.50	$ 60.00	$ 19,500.00
SD-17	Provide #4 Reinforcement Bars for Curb and Sidewalk	LF	2000	$ 1.10	$ 2,200.00	$ 1.03	$ 2,060.00	$ 1.00	$ 2,000.00	$ 1.06	$ 2,120.00	$ 1.00	$ 2,000.00
SD-18	Drilled Tie Bars (Existing Sidewalk, Driveway, and Curb and Gutter)	EA	500	$ 6.30	$ 3,150.00	$ 6.18	$ 3,090.00	$ 7.00	$ 3,500.00	$ 6.36	$ 3,180.00	$ 6.00	$ 3,000.00
SD-19	Drilled Dowel Bars	EA	1000	$ 9.50	$ 9,500.00	$ 9.27	$ 9,270.00	$ 0.01	$ 10.00	$ 9.54	$ 9,540.00	$ 9.00	$ 9,000.00
SD-20	Drilled Tie Bars (Concrete Pavement)	EA	125	$ 6.30	$ 787.50	$ 6.18	$ 772.50	$ 10.00	$ 1,250.00	$ 6.36	$ 795.00	$ 6.00	$ 750.00
SD-21	Provide Detectable Warning Field (Natural)	EA	7	$ 343.00	$ 2,401.00	$ 335.00	$ 2,345.00	$ 300.00	$ 2,100.00	$ 344.66	$ 2,412.62	$ 325.00	$ 2,275.00
SD-22	Pavement Marking Epoxy 12-inch White	LF	200	$ 11.10	$ 2,220.00	$ 10.82	$ 2,164.00	$ 10.50	$ 2,100.00	$ 11.14	$ 2,228.00	$ 10.50	$ 2,100.00
SD-23	Pavement marking Epoxy 8-inch White	LF	325	$ 4.80	$ 1,560.00	$ 4.64	$ 1,508.00	$ 4.50	$ 1,462.50	$ 4.78	$ 1,553.50	$ 4.50	$ 1,462.50
SD-24	Pavement Marking Epoxy 4-inch Yellow (Double)	LF	200	$ 4.80	$ 960.00	$ 4.64	$ 928.00	$ 4.50	$ 900.00	$ 4.78	$ 956.00	$ 4.50	$ 900.00
SD-25	Pavement Marking Arrows Epoxy Type-2	EA	2	$ 327.00	$ 654.00	$ 320.00	$ 640.00	$ 310.00	$ 620.00	$ 328.76	$ 657.52	$ 310.00	$ 620.00
SD-26	New Bump-out Landscaping - Topsoil, Seed, Fertilizer, and Mulch	SY	100	$ 11.00	$ 1,100.00	$ 10.00	$ 1,000.00	$ 10.00	$ 1,000.00	$ 25.25	$ 2,525.00	$ 14.00	$ 1,400.00
STREET AND DRAINAGE CONSTRUCTION - GRANT STREET BUMP-OUT													
SD-27	Unclassified Excavation	CY	50	$ 30.00	$ 1,500.00	$ 25.00	$ 1,250.00	$ 35.00	$ 1,750.00	$ 25.25	$ 1,262.50	$ 30.00	$ 1,500.00
SD-28	Provide 1 1/4" Crushed Aggregate Base Course	TON	60	$ 18.00	$ 1,080.00	$ 15.00	$ 900.00	$ 18.00	$ 1,080.00	$ 22.22	$ 1,333.20	$ 24.00	$ 1,440.00
SD-29	Mill Asphaltic Concrete Pavement	SY	200	$ 5.30	$ 1,060.00	$ 5.15	$ 1,030.00	$ 5.00	$ 1,000.00	$ 5.30	$ 1,060.00	$ 13.00	$ 2,600.00
SD-30	Remove Asphaltic Concrete Pavement	SY	500	$ 4.00	$ 2,000.00	$ 3.00	$ 1,500.00	$ 4.50	$ 2,250.00	$ 10.10	$ 5,050.00	$ 8.00	$ 4,000.00
SD-31	Remove 24" Concrete Curb and Gutter	LF	500	$ 3.00	$ 1,500.00	$ 5.00	$ 2,500.00	$ 3.50	$ 1,750.00	$ 3.03	$ 1,515.00	$ 5.00	$ 2,500.00
SD-32	Provide Asphaltic Concrete Pavement Type 4 LT 58-28 S, 2" Overlay or Upper Layer	TON	65	$ 95.00	$ 6,175.00	$ 92.70	$ 6,025.50	$ 90.00	$ 5,850.00	$ 99.99	$ 6,499.35	$ 122.00	$ 7,930.00
SD-33	Provide Asphaltic Concrete Pavement Type 3 LT 58-28 S, 2 1/4" Lower Layer	TON	55	$ 116.10	$ 6,385.50	$ 113.30	$ 6,231.50	$ 110.00	$ 6,050.00	$ 122.21	$ 6,721.55	$ 195.00	$ 10,725.00
SD-34	Remove and Replace 8" Concrete Sidewalk, Driveway and Ramp	SY	35	$ 68.90	$ 2,411.50	$ 72.00	$ 2,520.00	$ 85.00	$ 2,975.00	$ 80.19	$ 2,806.65	$ 70.00	$ 2,450.00
SD-35	Provide 6" Concrete Sidewalk, Driveway and Ramp	SY	20	$ 60.70	$ 1,214.00	$ 64.00	$ 1,280.00	$ 75.00	$ 1,500.00	$ 72.04	$ 1,440.80	$ 60.00	$ 1,200.00
SD-36	Remove and Replace 4" Concrete Sidewalk	SY	40	$ 58.40	$ 2,336.00	$ 62.00	$ 2,480.00	$ 69.00	$ 2,760.00	$ 78.63	$ 3,145.20	$ 60.00	$ 2,400.00
SD-37	Provide 24" Concrete Curb and Gutter	LF	380	$ 39.90	$ 15,162.00	$ 45.00	$ 17,100.00	$ 27.50	$ 10,450.00	$ 46.26	$ 17,578.80	$ 40.00	$ 15,200.00
SD-38	Drilled Tie Bars	EA	30	$ 6.30	$ 189.00	$ 6.18	$ 185.40	$ 10.00	$ 300.00	$ 6.36	$ 190.80	$ 6.00	$ 180.00
SD-39	Provide Detectable Warning Field (Natural)	EA	2	$ 343.10	$ 686.20	$ 335.00	$ 670.00	$ 300.00	$ 600.00	$ 344.66	$ 689.32	$ 325.00	$ 650.00
SD-40	Rectangular Rapid Flash Beacon	EA	2	$ 7,179.00	$ 14,358.00	$ 7,000.00	$ 14,000.00	$ 6,800.00	$ 13,600.00	$ 7,575.00	$ 15,150.00	$ 7,000.00	$ 14,000.00
SD-41	Pavement Marking Epoxy 12" Crosswalk	LF	125	$ 26.40	$ 3,300.00	$ 25.75	$ 3,218.75	$ 25.00	$ 3,125.00	$ 26.51	$ 3,313.75	$ 25.00	$ 3,125.00
SD-42	New Bump-out Landscaping - Topsoil, Seed, Fertilizer, and Mulch	SY	200	$ 11.00	$ 2,200.00	$ 10.00	$ 2,000.00	$ 10.00	$ 2,000.00	$ 20.20	$ 4,040.00	$ 14.00	$ 2,800.00
SPECIAL CONSTRUCTION													
SC-01	Pipe Foundation Stabilization	CY	100	$ 26.00	$ 2,600.00	$ 10.00	$ 1,000.00	$ 30.00	$ 3,000.00	$ 20.20	$ 2,020.00	$ 10.00	$ 1,000.00
SC-02	Provide Polystyrene Insulation Board (4' Wide)	LF	250	$ 6.00	$ 1,500.00	$ 8.00	$ 2,000.00	$ 7.00	$ 1,750.00	$ 7.07	$ 1,767.50	$ 10.00	$ 2,500.00
SC-03	Tree and Stump Removal	ID	200	$ 42.00	$ 8,400.00	$ 42.00	$ 8,400.00	$ 40.00	$ 8,000.00	$ 42.42	$ 8,484.00	$ 40.00	$ 8,000.00
SC-04	Inlet Protection Type D	EA	11	$ 115.00	$ 1,265.00	$ 100.00	$ 1,100.00	$ 75.00	$ 825.00	$ 202.00	$ 2,222.00	$ 100.00	$ 1,100.00
SC-05	Erosion Control Silt Fence	LF	50	$ 3.00	$ 150.00	$ 3.00	$ 150.00	$ 4.00	$ 200.00	$ 6.06	$ 303.00	$ 5.00	$ 250.00
SC-06	Adjust Inlet	EA	3	$ 528.00	$ 1,584.00	$ 400.00	$ 1,200.00	$ 350.00	$ 1,050.00	$ 656.50	$ 1,969.50	$ 500.00	$ 1,500.00
SC-07	Adjust Manhole	EA	2	$ 437.00	$ 874.00	$ 300.00	$ 600.00	$ 350.00	$ 700.00	$ 924.15	$ 1,848.30	$ 500.00	$ 1,000.00
SC-08	Reconstruct Manhole	VF	4	$ 670.00	$ 2,680.00	$ 500.00	$ 2,000.00	$ 600.00	$ 2,400.00	$ 656.50	$ 2,626.00	$ 300.00	$ 1,200.00
SC-09	Traffic Control (Ridgeway Boulevard)	LS	1	$ 10,030.00	$ 10,030.00	$ 10,000.00	$ 10,000.00	$ 24,500.00	$ 24,500.00	$ 10,605.00	$ 10,605.00	$ 20,000.00	$ 20,000.00
SC-10	Traffic Control (Third Street)	LS	1	$ 2,428.00	$ 2,428.00	$ 2,500.00	$ 2,500.00	$ 12,300.00	$ 12,300.00	$ 3,030.00	$ 3,030.00	$ 20,000.00	$ 20,000.00
	TOTAL AMOUNT BID				**$ 1,411,405.70**		**$ 1,414,752.35**		**$ 1,515,275.50**		**$ 1,599,253.09**		**$ 1,852,992.50**

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**April 12, 2021**
DEPARTMENT:	**Board of Public Works**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on award of Contract 21-02 Erie Street Reconstruction and Utility Relay***

ATTACHMENTS:

- 2021 0412 CI_BOPW_Award_21-02 (PDF)
- 2021 0401 Project 21-02 Bid Tab (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: April 12, 2021

RE: **Consideration and possible action on award of Contract 21-02 Erie Street Reconstruction and Utility Relay***

The Engineering Department received bids for Project 21-02 Erie Street Reconstruction and Utility Relay on April 1, 2021. This project involves the reconstruction and utility relay on Erie Street from George Street to Ridgeway Boulevard due to the deteriorated condition of the street and various utilities.

The Bids received are as follows:

Contractor	Amount
Jossart Brothers, Inc.	$1,417,716.50
Superior Sewer and Water, Inc.	$1,501,346.80
Kruczek Construction, Inc.	$1,510,000.00
Dorner, Inc.	$1,535,266.00
Feaker & Sons Company, Inc.	$1,536,548.50
De Groot, Inc.	$1,579,049.18
Advance Construction, Inc.	$1,601,809.00
PTS Contractors, Inc.	$1,774,240.00

The allocated amount from the capital improvement budget is $1,313,000 which is below the bid amount. The breakdown is as follows:

- General Obligation Debt: $420,000
- Sewerage Utility Fund: $153,000
- Water Utility Fund: $410,000
- Storm Water Utility Fund: $330,000

There are two cost overages on this project, being the roadway costs and water main. The Erie Street reconstruction is a replacement for the Lewis Street reconstruction which has been postponed until 2022. The original Lewis Street cost estimate was $540,000 which included $420,000 in general obligation debt and $120,000 in assessment costs for the Mulva Site. The Erie Street reconstruction cost is $451,585 which is below the overall Lewis Street costs but above the bonding amount of $420,000. With contingency the additional bonding will be $54,000.

For Project 21-02, the cost for water main installation is $539,045 which is $129,045.63 above the allocated funds. With contingency the additional bonding will be $146,000.

Staff has reviewed the options for the overage and determined the following three:

1. Bond for an additional amount of $200,000 ($54,000 plus $146,000) to cover the street and

water main overage.

2. There has been discussion that the City may be eligible for up to $2,000,000 in Covid relief funds due to increased expenses. If available, use $146,000 of the funds to cover the increased water main cost.
3. Reduce the amount of water main being installed on City projects, in particular, along Ridgeway Boulevard.

Staff's recommendation is to accept the bid from Jossart Brothers, Inc. in the amount of $1,417,716.50 and bond for the additional funds and if Covid relief funds become available use this to pay the additional water main costs.

Attachments:

2021 0401 Project 21-02 Bid Tab (PDF)

DE PERE

PROJECT 21-02 ERIE STREET RECONSTRUCTION AND UTILITY RELAY
BID TAB

				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3		BIDDER NO. 4		BIDDER NO. 5		BIDDER NO. 6		BIDDER NO. 7		BIDDER NO. 8	
				Jossart Brothers, Inc.		Superior Sewer and Water Inc.		Kruczek Construction, Inc.		Dorner, Inc.		Feaker & Sons Co., Inc.		De Groot, Inc.		Advance Construction, Inc.		PTS Contractors, Inc.	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
SANITARY SEWER CONSTRUCTION																			
SS-01	Remove and Relay 8" PVC Sanitary Sewer	LF	400	$ 85.00	$ 34,000.00	$ 114.00	$ 45,600.00	$ 87.00	$ 34,800.00	$ 92.00	$ 36,800.00	$ 95.00	$ 38,000.00	$ 82.66	$ 33,064.00	$ 105.00	$ 42,000.00	$ 115.00	$ 46,000.00
SS-02	Provide 8" PVC Sanitary Sewer	LF	290	$ 85.00	$ 24,650.00	$ 90.00	$ 26,100.00	$ 81.00	$ 23,490.00	$ 91.00	$ 26,390.00	$ 95.00	$ 27,550.00	$ 76.27	$ 22,118.30	$ 105.00	$ 30,450.00	$ 116.00	$ 33,640.00
SS-03	Remove and Relay 6" or 4" PVC Sanitary Lateral	LF	440	$ 84.00	$ 36,960.00	$ 87.00	$ 38,280.00	$ 79.50	$ 34,980.00	$ 81.00	$ 35,640.00	$ 80.00	$ 35,200.00	$ 74.56	$ 32,806.40	$ 116.00	$ 51,040.00	$ 134.00	$ 58,960.00
SS-04	Provide 4" PVC Sanitary Sewer Lateral	LF	30	$ 83.00	$ 2,490.00	$ 81.00	$ 2,430.00	$ 97.50	$ 2,925.00	$ 75.00	$ 2,250.00	$ 80.00	$ 2,400.00	$ 69.93	$ 2,097.90	$ 111.00	$ 3,330.00	$ 130.00	$ 3,900.00
SS-05	Provide Sanitary Sewer Risers	LF	20	$ 75.00	$ 1,500.00	$ 88.00	$ 1,760.00	$ 49.00	$ 980.00	$ 92.00	$ 1,840.00	$ 100.00	$ 2,000.00	$ 117.97	$ 2,359.40	$ 111.00	$ 2,220.00	$ 105.00	$ 2,100.00
SS-06	Provide 8" x 6" or 8" x 4" Sanitary Wye	EA	2	$ 100.00	$ 200.00	$ 160.00	$ 320.00	$ 200.00	$ 400.00	$ 141.00	$ 282.00	$ 135.00	$ 270.00	$ 606.00	$ 1,212.00	$ 70.00	$ 140.00	$ 188.00	$ 376.00
SS-07	Provide 8" x 4" Sanitary Wye	EA	1	$ 100.00	$ 100.00	$ 100.00	$ 100.00	$ 200.00	$ 200.00	$ 136.00	$ 136.00	$ 130.00	$ 130.00	$ 595.90	$ 595.90	$ 65.00	$ 65.00	$ 185.00	$ 185.00
SS-08	Provide 6" or 4" Saddle to Existing Sanitary Sewer	EA	9	$ 100.00	$ 900.00	$ 450.00	$ 4,050.00	$ 360.00	$ 3,240.00	$ 1,296.00	$ 11,664.00	$ 450.00	$ 4,050.00	$ 2,272.50	$ 20,452.50	$ 226.00	$ 2,034.00	$ 2,600.00	$ 23,400.00
SS-09	Dig Down and Verify Active Lateral	EA	2	$ 600.00	$ 1,200.00	$ 500.00	$ 1,000.00	$ 950.00	$ 1,900.00	$ 726.00	$ 1,452.00	$ 750.00	$ 1,500.00	$ 1,262.50	$ 2,525.00	$ 750.00	$ 1,500.00	$ 1,100.00	$ 2,200.00
SS-10	Remove and Replace 4' Diameter Sanitary Sewer Manhole	VF	25	$ 425.00	$ 10,625.00	$ 320.00	$ 8,000.00	$ 430.00	$ 10,750.00	$ 469.00	$ 11,725.00	$ 400.00	$ 10,000.00	$ 488.55	$ 12,213.75	$ 700.00	$ 17,500.00	$ 490.00	$ 12,250.00
SS-11	Provide 4' Diameter Outside Drop Sanitary Sewer Manhole	VF	19	$ 560.00	$ 10,640.00	$ 440.00	$ 8,360.00	$ 587.00	$ 11,153.00	$ 554.00	$ 10,526.00	$ 535.00	$ 10,165.00	$ 681.64	$ 12,951.16	$ 790.00	$ 15,010.00	$ 685.00	$ 13,015.00
SS-12	Core Drill Sanitary Manhole	EA	1	$ 800.00	$ 800.00	$ 750.00	$ 750.00	$ 500.00	$ 500.00	$ 358.00	$ 358.00	$ 1,150.00	$ 1,150.00	$ 3,535.00	$ 3,535.00	$ 700.00	$ 700.00	$ 725.00	$ 725.00
SS-13	Connect to Existing Sanitary Sewer Pipe	EA	5	$ 500.00	$ 2,500.00	$ 380.00	$ 1,900.00	$ 800.00	$ 4,000.00	$ 1,111.00	$ 5,555.00	$ 320.00	$ 1,600.00	$ 2,651.25	$ 13,256.25	$ 425.00	$ 2,125.00	$ 1,400.00	$ 7,000.00
SS-14	Connect to Existing CIPP Sanitary Sewer Pipe	EA	3	$ 500.00	$ 1,500.00	$ 500.00	$ 1,500.00	$ 775.00	$ 2,325.00	$ 1,062.00	$ 3,186.00	$ 275.00	$ 825.00	$ 2,605.80	$ 7,817.40	$ 380.00	$ 1,140.00	$ 2,500.00	$ 7,500.00
ST-01	Remove 24" and Relay 30" PVC, PP, or RCP Class III Storm Sewer	LF	400	$ 97.00	$ 38,800.00	$ 132.00	$ 52,800.00	$ 114.00	$ 45,600.00	$ 116.00	$ 46,400.00	$ 105.00	$ 42,000.00	$ 97.80	$ 39,120.00	$ 107.00	$ 42,800.00	$ 155.00	$ 62,000.00
ST-02	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	40	$ 63.00	$ 2,520.00	$ 70.00	$ 2,800.00	$ 95.00	$ 3,800.00	$ 70.00	$ 2,800.00	$ 95.00	$ 3,800.00	$ 62.26	$ 2,490.40	$ 79.00	$ 3,160.00	$ 89.00	$ 3,560.00
ST-03	Provide 30" RCP Class III Storm Sewer	LF	10	$ 97.00	$ 970.00	$ 150.00	$ 1,500.00	$ 208.00	$ 2,080.00	$ 144.00	$ 1,440.00	$ 600.00	$ 6,000.00	$ 101.44	$ 1,014.40	$ 107.00	$ 1,070.00	$ 275.00	$ 2,750.00
ST-04	Provide 12" PVC or RCP Class III Storm Sewer	LF	830	$ 62.00	$ 51,460.00	$ 70.00	$ 58,100.00	$ 72.00	$ 59,760.00	$ 67.00	$ 55,610.00	$ 72.00	$ 59,760.00	$ 68.09	$ 56,514.70	$ 77.00	$ 63,910.00	$ 91.00	$ 75,530.00
ST-05	Provide 8" PVC Storm Sewer	LF	250	$ 58.00	$ 14,500.00	$ 62.00	$ 15,500.00	$ 57.00	$ 14,250.00	$ 50.00	$ 12,500.00	$ 60.00	$ 15,000.00	$ 49.74	$ 12,435.00	$ 63.00	$ 15,750.00	$ 80.00	$ 20,000.00
ST-06	Provide 6" PVC Storm Sewer Lateral	LF	1,450	$ 48.00	$ 69,600.00	$ 54.00	$ 78,300.00	$ 45.50	$ 65,975.00	$ 49.00	$ 71,050.00	$ 52.00	$ 75,400.00	$ 49.22	$ 71,369.00	$ 53.00	$ 76,850.00	$ 64.00	$ 92,800.00
ST-07	Provide 30" x 6" Storm Branch or Inserta Tee	EA	9	$ 250.00	$ 2,250.00	$ 270.00	$ 2,430.00	$ 400.00	$ 3,600.00	$ 465.00	$ 4,185.00	$ 175.00	$ 1,575.00	$ 649.43	$ 5,844.87	$ 200.00	$ 1,800.00	$ 300.00	$ 2,700.00
ST-08	Provide 12" x 6" Storm Branch or Inserta Tee	EA	2	$ 250.00	$ 500.00	$ 270.00	$ 540.00	$ 400.00	$ 800.00	$ 322.00	$ 644.00	$ 175.00	$ 350.00	$ 649.43	$ 1,298.86	$ 200.00	$ 400.00	$ 300.00	$ 600.00
ST-09	Core Drill Storm Sewer and Provide Lateral Connection	EA	25	$ 250.00	$ 6,250.00	$ 200.00	$ 5,000.00	$ 300.00	$ 7,500.00	$ 452.00	$ 11,300.00	$ 250.00	$ 6,250.00	$ 542.37	$ 13,559.25	$ 140.00	$ 3,500.00	$ 250.00	$ 6,250.00
ST-10	Remove and Replace 4' Diameter Storm Manhole	VF	6	$ 450.00	$ 2,700.00	$ 310.00	$ 1,860.00	$ 445.00	$ 2,670.00	$ 543.00	$ 3,258.00	$ 650.00	$ 3,900.00	$ 542.56	$ 3,255.36	$ 649.00	$ 3,894.00	$ 440.00	$ 2,640.00
ST-11	Remove and Replace 6' Diameter Storm Manhole	VF	14	$ 630.00	$ 8,820.00	$ 440.00	$ 6,160.00	$ 620.00	$ 8,680.00	$ 710.00	$ 9,940.00	$ 750.00	$ 10,500.00	$ 702.97	$ 9,841.58	$ 800.00	$ 11,200.00	$ 635.00	$ 8,890.00
ST-12	Provide 5' Diameter Storm Manhole (Construct Over Existing-Doghouse)	VF	11	$ 730.00	$ 8,030.00	$ 1,059.00	$ 11,649.00	$ 750.00	$ 8,250.00	$ 776.00	$ 8,536.00	$ 900.00	$ 9,900.00	$ 882.03	$ 9,702.33	$ 758.00	$ 8,338.00	$ 620.00	$ 6,820.00
ST-13	Provide 4' Diameter Storm Manhole	VF	38	$ 570.00	$ 21,660.00	$ 310.00	$ 11,780.00	$ 500.00	$ 19,000.00	$ 550.00	$ 20,900.00	$ 700.00	$ 26,600.00	$ 657.86	$ 24,998.68	$ 505.00	$ 19,190.00	$ 440.00	$ 16,720.00
ST-14	Provide 5' Diameter Storm Manhole	VF	14	$ 590.00	$ 8,260.00	$ 440.00	$ 6,160.00	$ 540.00	$ 7,560.00	$ 583.00	$ 8,162.00	$ 800.00	$ 11,200.00	$ 665.32	$ 9,314.48	$ 579.00	$ 8,106.00	$ 510.00	$ 7,140.00
ST-15	Remove and Replace Type B Inlet	EA	2	$ 2,100.00	$ 4,200.00	$ 1,800.00	$ 3,600.00	$ 2,100.00	$ 4,200.00	$ 2,085.00	$ 4,170.00	$ 2,100.00	$ 4,200.00	$ 2,154.98	$ 4,309.96	$ 2,407.00	$ 4,814.00	$ 2,600.00	$ 5,200.00
ST-16	Provide Type B Inlet	EA	18	$ 1,900.00	$ 34,200.00	$ 1,800.00	$ 32,400.00	$ 2,075.00	$ 37,350.00	$ 2,013.00	$ 36,234.00	$ 2,100.00	$ 37,800.00	$ 2,121.00	$ 38,178.00	$ 2,107.00	$ 37,926.00	$ 2,325.00	$ 41,850.00
ST-17	Connect to Existing Storm Structure	EA	2	$ 1,000.00	$ 2,000.00	$ 880.00	$ 1,760.00	$ 475.00	$ 950.00	$ 596.00	$ 1,192.00	$ 1,400.00	$ 2,800.00	$ 1,515.00	$ 3,030.00	$ 400.00	$ 800.00	$ 1,350.00	$ 2,700.00
ST-18	Connect to Existing Pipe	EA	8	$ 500.00	$ 4,000.00	$ 700.00	$ 5,600.00	$ 475.00	$ 3,800.00	$ 764.00	$ 6,112.00	$ 400.00	$ 3,200.00	$ 1,515.00	$ 12,120.00	$ 400.00	$ 3,200.00	$ 1,000.00	$ 8,000.00
ST-19	Concrete Collar (Connection to Existing Pipe)	EA	7	$ 1,000.00	$ 7,000.00	$ 1,100.00	$ 7,700.00	$ 275.00	$ 1,925.00	$ 693.00	$ 4,851.00	$ 400.00	$ 2,800.00	$ 2,020.00	$ 14,140.00	$ 500.00	$ 3,500.00	$ 875.00	$ 6,125.00

DE PERE

PROJECT 21-02 ERIE STREET RECONSTRUCTION AND UTILITY RELAY
BID TAB

				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3		BIDDER NO. 4		BIDDER NO. 5		BIDDER NO. 6		BIDDER NO. 7		BIDDER NO. 8	
				Jossart Brothers, Inc.		Superior Sewer and Water Inc.		Kruczek Construction, Inc.		Dorner, Inc.		Feaker & Sons Co., Inc.		De Groot, Inc.		Advance Construction, Inc.		PTS Contractors, Inc.	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
ST-20	Core Drill Storm Manhole (12" Opening)	EA	1	$ 500.00	$ 500.00	$ 1,025.00	$ 1,025.00	$ 400.00	$ 400.00	$ 596.00	$ 596.00	$ 1,200.00	$ 1,200.00	$ 858.50	$ 858.50	$ 250.00	$ 250.00	$ 535.00	$ 535.00
ST-21	Core Drill Storm Manhole (6" Opening)	EA	1	$ 300.00	$ 300.00	$ 520.00	$ 520.00	$ 400.00	$ 400.00	$ 358.00	$ 358.00	$ 250.00	$ 250.00	$ 404.00	$ 404.00	$ 150.00	$ 150.00	$ 386.00	$ 386.00
ST-22	Storm Sewer Dig Down Spot Repair -10 Feet	EA	1	$ 1,200.00	$ 1,200.00	$ 6,800.00	$ 6,800.00	$ 2,600.00	$ 2,600.00	$ 1,574.00	$ 1,574.00	$ 4,000.00	$ 4,000.00	$ 2,878.50	$ 2,878.50	$ 2,600.00	$ 2,600.00	$ 3,200.00	$ 3,200.00
ST-23	Abandon/Remove Existing Storm Sewer and Appurtenances	LS	1	$ 8,000.00	$ 8,000.00	$ 3,350.00	$ 3,350.00	$ 8,000.00	$ 8,000.00	$ 4,318.00	$ 4,318.00	$ 8,985.00	$ 8,985.00	$ 2,525.00	$ 2,525.00	$ 3,000.00	$ 3,000.00	$ 6,900.00	$ 6,900.00
WATER MAIN CONSTRUCTION																			
W-01	Provide 16" PVC Water Main	LF	2,140	$ 120.00	$ 256,800.00	$ 145.00	$ 310,300.00	$ 148.00	$ 316,720.00	$ 132.00	$ 282,480.00	$ 135.00	$ 288,900.00	$ 126.65	$ 271,031.00	$ 143.00	$ 306,020.00	$ 170.00	$ 363,800.00
W-02	Provide 12" PVC Water Main	LF	10	$ 112.00	$ 1,120.00	$ 112.00	$ 1,120.00	$ 207.00	$ 2,070.00	$ 112.00	$ 1,120.00	$ 150.00	$ 1,500.00	$ 93.99	$ 939.90	$ 258.00	$ 2,580.00	$ 235.00	$ 2,350.00
W-03	Provide 8" PVC Water Main	LF	350	$ 83.00	$ 29,050.00	$ 88.00	$ 30,800.00	$ 83.00	$ 29,050.00	$ 90.00	$ 31,500.00	$ 90.00	$ 31,500.00	$ 74.19	$ 25,966.50	$ 97.00	$ 33,950.00	$ 113.00	$ 39,550.00
W-04	Provide 6" PVC Water Main & Hydrant Lead	LF	90	$ 80.00	$ 7,200.00	$ 74.00	$ 6,660.00	$ 134.50	$ 12,105.00	$ 81.00	$ 7,290.00	$ 85.00	$ 7,650.00	$ 65.44	$ 5,889.60	$ 97.00	$ 8,730.00	$ 127.00	$ 11,430.00
W-05	Provide 1 1/2" HDPE Water Service	LF	25	$ 65.00	$ 1,625.00	$ 60.00	$ 1,500.00	$ 95.00	$ 2,375.00	$ 61.00	$ 1,525.00	$ 85.00	$ 2,125.00	$ 59.42	$ 1,485.50	$ 75.00	$ 1,875.00	$ 78.00	$ 1,950.00
W-06	Provide 1" HDPE Water Service	LF	1,510	$ 59.00	$ 89,090.00	$ 57.00	$ 86,070.00	$ 74.00	$ 111,740.00	$ 61.00	$ 92,110.00	$ 70.00	$ 105,700.00	$ 58.94	$ 88,999.40	$ 74.00	$ 111,740.00	$ 77.00	$ 116,270.00
W-07	Provide 1 1/2" Corporation and Curb Stop	EA	1	$ 950.00	$ 950.00	$ 880.00	$ 880.00	$ 950.00	$ 950.00	$ 1,007.00	$ 1,007.00	$ 975.00	$ 975.00	$ 1,334.21	$ 1,334.21	$ 1,121.00	$ 1,121.00	$ 950.00	$ 950.00
W-08	Provide 1" Corporation and Curb Stop	EA	47	$ 500.00	$ 23,500.00	$ 480.00	$ 22,560.00	$ 500.00	$ 23,500.00	$ 593.00	$ 27,871.00	$ 600.00	$ 28,200.00	$ 947.27	$ 44,521.69	$ 688.00	$ 32,336.00	$ 565.00	$ 26,555.00
W-09	Provide 2" Corporation with Plug/Saddle with 2" Galvanized Pipe	EA	5	$ 1,000.00	$ 5,000.00	$ 700.00	$ 3,500.00	$ 1,100.00	$ 5,500.00	$ 1,051.00	$ 5,255.00	$ 1,865.00	$ 9,325.00	$ 1,909.51	$ 9,547.55	$ 1,390.00	$ 6,950.00	$ 770.00	$ 3,850.00
W-10	Provide 16" Butterfly Valve	EA	5	$ 5,000.00	$ 25,000.00	$ 3,200.00	$ 16,000.00	$ 5,250.00	$ 26,250.00	$ 4,915.00	$ 24,575.00	$ 4,870.00	$ 24,350.00	$ 4,916.68	$ 24,583.40	$ 4,568.00	$ 22,840.00	$ 4,600.00	$ 23,000.00
W-11	Provide 12" Gate Valve	EA	1	$ 3,450.00	$ 3,450.00	$ 3,000.00	$ 3,000.00	$ 3,500.00	$ 3,500.00	$ 3,402.00	$ 3,402.00	$ 3,240.00	$ 3,240.00	$ 3,475.41	$ 3,475.41	$ 3,140.00	$ 3,140.00	$ 3,200.00	$ 3,200.00
W-12	Provide 8" Gate Valve	EA	3	$ 1,975.00	$ 5,925.00	$ 1,750.00	$ 5,250.00	$ 2,000.00	$ 6,000.00	$ 1,976.00	$ 5,928.00	$ 1,965.00	$ 5,895.00	$ 2,138.17	$ 6,414.51	$ 1,777.00	$ 5,331.00	$ 1,900.00	$ 5,700.00
W-13	Provide 6" Gate Valve	EA	4	$ 1,430.00	$ 5,720.00	$ 1,300.00	$ 5,200.00	$ 1,925.00	$ 7,700.00	$ 1,440.00	$ 5,760.00	$ 1,495.00	$ 5,980.00	$ 1,608.93	$ 6,435.72	$ 1,293.00	$ 5,172.00	$ 1,400.00	$ 5,600.00
W-14	Provide Connection to Existing Water Main	EA	9	$ 2,000.00	$ 18,000.00	$ 2,100.00	$ 18,900.00	$ 1,700.00	$ 15,300.00	$ 1,984.00	$ 17,856.00	$ 2,720.00	$ 24,480.00	$ 2,768.74	$ 24,918.66	$ 2,991.00	$ 26,919.00	$ 2,000.00	$ 18,000.00
W-15	Provide Hydrant 7.5' Bury	EA	2	$ 4,200.00	$ 8,400.00	$ 3,800.00	$ 7,600.00	$ 4,875.00	$ 9,750.00	$ 4,620.00	$ 9,240.00	$ 4,390.00	$ 8,780.00	$ 4,484.40	$ 8,968.80	$ 5,090.00	$ 10,180.00	$ 4,400.00	$ 8,800.00
W-16	Provide Hydrant 7.0' Bury	EA	1	$ 4,100.00	$ 4,100.00	$ 3,700.00	$ 3,700.00	$ 4,785.00	$ 4,785.00	$ 4,539.00	$ 4,539.00	$ 4,315.00	$ 4,315.00	$ 4,408.65	$ 4,408.65	$ 5,015.00	$ 5,015.00	$ 4,300.00	$ 4,300.00
W-17	Provide 16" Water Main Offset	EA	2	$ 6,000.00	$ 12,000.00	$ 8,200.00	$ 16,400.00	$ 6,660.00	$ 13,320.00	$ 6,329.00	$ 12,658.00	$ 6,500.00	$ 13,000.00	$ 8,098.18	$ 16,196.36	$ 6,568.00	$ 13,136.00	$ 7,800.00	$ 15,600.00
W-18	Provide 8" Water Main Offset	EA	1	$ 2,500.00	$ 2,500.00	$ 5,900.00	$ 5,900.00	$ 2,325.00	$ 2,325.00	$ 2,884.00	$ 2,884.00	$ 2,995.00	$ 2,995.00	$ 4,670.24	$ 4,670.24	$ 3,024.00	$ 3,024.00	$ 4,000.00	$ 4,000.00
W-19	Provide 16" - 1/2 Water Main Offset	EA	2	$ 3,000.00	$ 6,000.00	$ 8,200.00	$ 16,400.00	$ 3,330.00	$ 6,660.00	$ 3,403.00	$ 6,806.00	$ 3,685.00	$ 7,370.00	$ 5,538.84	$ 11,077.68	$ 3,284.00	$ 6,568.00	$ 3,900.00	$ 7,800.00
W-20	Abandon/Remove Water Main and Appurtenances	LS	1	$ 9,000.00	$ 9,000.00	$ 2,500.00	$ 2,500.00	$ 9,000.00	$ 9,000.00	$ 4,580.00	$ 4,580.00	$ 11,295.00	$ 11,295.00	$ 12,625.00	$ 12,625.00	$ 3,000.00	$ 3,000.00	$ 2,900.00	$ 2,900.00
STREET AND DRAINAGE CONSTRUCTION																			
SD-01	Clearing and Grubbing	ID	230	$ 42.00	$ 9,660.00	$ 40.00	$ 9,200.00	$ 44.00	$ 10,120.00	$ 42.20	$ 9,706.00	$ 41.00	$ 9,430.00	$ 50.50	$ 11,615.00	$ 40.00	$ 9,200.00	$ 135.00	$ 31,050.00
SD-02	Unclassified Excavation	CY	4,650	$ 14.65	$ 68,122.50	$ 11.00	$ 51,150.00	$ 14.25	$ 66,262.50	$ 13.00	$ 60,450.00	$ 14.35	$ 66,727.50	$ 14.80	$ 68,820.00	$ 15.00	$ 69,750.00	$ 14.50	$ 67,425.00
SD-03	Mill Asphaltic Concrete Pavement	SY	820	$ 3.50	$ 2,870.00	$ 9.09	$ 7,453.80	$ 3.30	$ 2,706.00	$ 3.50	$ 2,870.00	$ 3.40	$ 2,788.00	$ 3.50	$ 2,870.00	$ 3.30	$ 2,706.00	$ 3.50	$ 2,870.00
SD-04	Provide 1 1/4" Crushed Aggregate Base Course	CY	3,250	$ 16.07	$ 52,227.50	$ 28.20	$ 91,650.00	$ 15.50	$ 50,375.00	$ 28.00	$ 91,000.00	$ 15.75	$ 51,187.50	$ 16.23	$ 52,747.50	$ 26.50	$ 86,125.00	$ 16.00	$ 52,000.00
SD-05	Provide Asphaltic Concrete Pavement Type 4 LT 58-28 S, 1 3/4" Upper Layer	TON	700	$ 63.65	$ 44,555.00	$ 62.25	$ 43,575.00	$ 61.00	$ 42,700.00	$ 64.00	$ 44,800.00	$ 62.45	$ 43,715.00	$ 64.29	$ 45,003.00	$ 60.62	$ 42,434.00	$ 63.00	$ 44,100.00
SD-06	Provide Asphaltic Concrete Pavement Type 3 LT 58-28 S, 2 1/4" Lower Layer	TON	950	$ 66.86	$ 63,517.00	$ 63.68	$ 60,496.00	$ 64.00	$ 60,800.00	$ 67.20	$ 63,840.00	$ 65.60	$ 62,320.00	$ 67.53	$ 64,153.50	$ 63.68	$ 60,496.00	$ 66.00	$ 62,700.00
SD-07	Provide Asphaltic Concrete Pavement Type 4 LT 58-28 S, 2" Overlay or Upper Layer	TON	100	$ 70.35	$ 7,035.00	$ 67.00	$ 6,700.00	$ 68.00	$ 6,800.00	$ 70.70	$ 7,070.00	$ 69.00	$ 6,900.00	$ 71.05	$ 7,105.00	$ 67.00	$ 6,700.00	$ 70.00	$ 7,000.00
SD-08	Provide Asphaltic Concrete Pavement Type 4 LT 58-28 S, 2" Lower Layer- James Street	TON	80	$ 77.50	$ 6,200.00	$ 73.80	$ 5,904.00	$ 75.00	$ 6,000.00	$ 77.90	$ 6,232.00	$ 76.00	$ 6,080.00	$ 78.26	$ 6,260.80	$ 73.80	$ 5,904.00	$ 77.00	$ 6,160.00
SD-09	Provide Temporary Asphalt Patch on George Street	LS	1	$ 3,000.00	$ 3,000.00	$ 4,355.00	$ 4,355.00	$ 4,400.00	$ 4,400.00	$ 4,598.00	$ 4,598.00	$ 4,485.00	$ 4,485.00	$ 4,618.48	$ 4,618.48	$ 5,855.00	$ 5,855.00	$ 5,800.00	$ 5,800.00

DE PERE

PROJECT 21-02 ERIE STREET RECONSTRUCTION AND UTILITY RELAY
BID TAB

				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3		BIDDER NO. 4		BIDDER NO. 5		BIDDER NO. 6		BIDDER NO. 7		BIDDER NO. 8	
				Jossart Brothers, Inc.		Superior Sewer and Water Inc.		Kruczek Construction, Inc.		Dorner, Inc.		Feaker & Sons Co., Inc.		De Groot, Inc.		Advance Construction, Inc.		PTS Contractors, Inc.	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
SD-10	Provide 24" Concrete Curb and Gutter (Slip Form)	LF	4,000	$ 12.40	$ 49,600.00	$ 11.79	$ 47,160.00	$ 12.00	$ 48,000.00	$ 15.00	$ 60,000.00	$ 12.15	$ 48,600.00	$ 11.88	$ 47,520.00	$ 13.79	$ 55,160.00	$ 12.25	$ 49,000.00
SD-11	Remove and Replace 24" Concrete Curb and Gutter	LF	250	$ 30.45	$ 7,612.50	$ 24.00	$ 6,000.00	$ 29.75	$ 7,437.50	$ 28.80	$ 7,200.00	$ 29.90	$ 7,475.00	$ 42.42	$ 10,605.00	$ 34.00	$ 8,500.00	$ 30.00	$ 7,500.00
SD-12	Remove and Replace 24" Concrete Curb and Gutter (Integral Curb)	LF	25	$ 29.40	$ 735.00	$ 26.00	$ 650.00	$ 28.60	$ 715.00	$ 34.40	$ 860.00	$ 28.85	$ 721.25	$ 28.63	$ 715.75	$ 36.00	$ 900.00	$ 29.00	$ 725.00
SD-13	Remove and Replace 24" Concrete Curb and Gutter (Hand Excavate and Form at Trees)	LF	20	$ 57.75	$ 1,155.00	$ 50.00	$ 1,000.00	$ 5.00	$ 100.00	$ 60.80	$ 1,216.00	$ 56.65	$ 1,133.00	$ 58.33	$ 1,166.60	$ 60.00	$ 1,200.00	$ 57.00	$ 1,140.00
SD-14	Concrete Curb Pedestrian	LF	100	$ 36.75	$ 3,675.00	$ 35.00	$ 3,500.00	$ 35.70	$ 3,570.00	$ 37.00	$ 3,700.00	$ 36.00	$ 3,600.00	$ 53.03	$ 5,303.00	$ 35.00	$ 3,500.00	$ 37.00	$ 3,700.00
SD-15	Remove and Replace 8-Inch Doweled Concrete Pavement	SY	80	$ 67.75	$ 5,420.00	$ 58.50	$ 4,680.00	$ 66.30	$ 5,304.00	$ 70.80	$ 5,664.00	$ 66.45	$ 5,316.00	$ 85.90	$ 6,872.00	$ 68.50	$ 5,480.00	$ 67.00	$ 5,360.00
SD-16	Remove and Replace 9-Inch Doweled Concrete Pavement (HES-3 Day)	SY	90	$ 72.00	$ 6,480.00	$ 62.50	$ 5,625.00	$ 68.00	$ 6,120.00	$ 72.00	$ 6,480.00	$ 68.50	$ 6,165.00	$ 86.86	$ 7,817.40	$ 70.50	$ 6,345.00	$ 65.00	$ 5,850.00
SD-17	Remove and Replace 9-Inch Doweled Concrete Pavement (HES-3 Day Red Stamped)	SY	20	$ 138.00	$ 2,760.00	$ 125.00	$ 2,500.00	$ 137.70	$ 2,754.00	$ 148.50	$ 2,970.00	$ 135.00	$ 2,700.00	$ 161.10	$ 3,222.00	$ 135.00	$ 2,700.00	$ 130.00	$ 2,600.00
SD-18	Remove and Replace 9-Inch Doweled Concrete Pavement (HES-24 HR)	SY	25	$ 75.00	$ 1,875.00	$ 67.50	$ 1,687.50	$ 82.00	$ 2,050.00	$ 84.50	$ 2,112.50	$ 75.70	$ 1,892.50	$ 139.89	$ 3,497.25	$ 77.50	$ 1,937.50	$ 70.00	$ 1,750.00
SD-19	Remove and Replace 4" Concrete Sidewalk	SY	525	$ 54.95	$ 28,848.75	$ 46.80	$ 24,570.00	$ 54.50	$ 28,612.50	$ 52.90	$ 27,772.50	$ 53.85	$ 28,271.25	$ 53.56	$ 28,119.00	$ 51.80	$ 27,195.00	$ 54.00	$ 28,350.00
SD-20	Remove and Replace 6" Concrete Ramp and Driveway	SY	925	$ 55.25	$ 51,106.25	$ 48.60	$ 44,955.00	$ 54.00	$ 49,950.00	$ 54.80	$ 50,690.00	$ 54.20	$ 50,135.00	$ 56.74	$ 52,484.50	$ 51.80	$ 47,915.00	$ 55.00	$ 50,875.00
SD-21	Remove and Replace 8" Concrete Driveway	SY	40	$ 61.95	$ 2,478.00	$ 54.00	$ 2,160.00	$ 61.25	$ 2,450.00	$ 64.50	$ 2,580.00	$ 60.75	$ 2,430.00	$ 62.57	$ 2,502.80	$ 59.00	$ 2,360.00	$ 61.00	$ 2,440.00
SD-22	Provide #4 Reinforcement Bars for Curb and Sidewalk	LF	2,850	$ 0.84	$ 2,394.00	$ 0.80	$ 2,280.00	$ 0.80	$ 2,280.00	$ 0.80	$ 2,280.00	$ 0.85	$ 2,422.50	$ 1.60	$ 4,560.00	$ 0.80	$ 2,280.00	$ 1.00	$ 2,850.00
SD-23	Drilled Tie Bars (Existing Sidewalk, Driveway, and Curb and Gutter)	EA	410	$ 5.80	$ 2,378.00	$ 5.50	$ 2,255.00	$ 5.50	$ 2,255.00	$ 5.80	$ 2,378.00	$ 5.70	$ 2,337.00	$ 6.36	$ 2,607.60	$ 5.50	$ 2,255.00	$ 5.70	$ 2,337.00
SD-24	Drilled Dowel Bars	EA	110	$ 12.60	$ 1,386.00	$ 12.00	$ 1,320.00	$ 12.50	$ 1,375.00	$ 12.70	$ 1,397.00	$ 12.35	$ 1,358.50	$ 13.79	$ 1,516.90	$ 12.00	$ 1,320.00	$ 13.00	$ 1,430.00
SD-25	Drilled Tie Bars (Concrete Pavement)	EA	80	$ 7.35	$ 588.00	$ 7.00	$ 560.00	$ 7.00	$ 560.00	$ 7.40	$ 592.00	$ 7.20	$ 576.00	$ 10.61	$ 848.80	$ 7.00	$ 560.00	$ 7.30	$ 584.00
SD-26	Provide Detectable Warning Field (Natural)	EA	30	$ 336.00	$ 10,080.00	$ 320.00	$ 9,600.00	$ 325.00	$ 9,750.00	$ 338.00	$ 10,140.00	$ 330.00	$ 9,900.00	$ 318.15	$ 9,544.50	$ 320.00	$ 9,600.00	$ 335.00	$ 10,050.00
SD-27	Traffic Control With Flaggers or Temporary Traffic Signal (George Street)	LS	1	$ 8,500.00	$ 8,500.00	$ 6,500.00	$ 6,500.00	$ 11,105.50	$ 11,105.50	$ 8,129.00	$ 8,129.00	$ 8,700.00	$ 8,700.00	$ 7,953.75	$ 7,953.75	$ 8,300.00	$ 8,300.00	$ 19,000.00	$ 19,000.00
SD-28	Pavement Marking Stop Line Epoxy 18-Inch White	LF	40	$ 14.70	$ 588.00	$ 14.00	$ 560.00	$ 15.00	$ 600.00	$ 14.80	$ 592.00	$ 14.20	$ 568.00	$ 14.85	$ 594.00	$ 14.00	$ 560.00	$ 14.55	$ 582.00
SD-29	Pavement Marking Epoxy 8-Inch White	LF	180	$ 14.20	$ 2,556.00	$ 13.50	$ 2,430.00	$ 13.50	$ 2,430.00	$ 14.30	$ 2,574.00	$ 14.15	$ 2,547.00	$ 14.32	$ 2,577.60	$ 13.50	$ 2,430.00	$ 14.00	$ 2,520.00
SD-30	Pavement Marking Epoxy 4-Inch Yellow	LF	550	$ 2.36	$ 1,298.00	$ 2.25	$ 1,237.50	$ 2.30	$ 1,265.00	$ 2.40	$ 1,320.00	$ 2.35	$ 1,292.50	$ 2.38	$ 1,309.00	$ 2.25	$ 1,237.50	$ 2.50	$ 1,375.00
SD-31	Landscaping - Topsoil, Seed, Fertilizer, and Mulch	SY	2,400	$ 9.00	$ 21,600.00	$ 7.27	$ 17,448.00	$ 6.00	$ 14,400.00	$ 8.90	$ 21,360.00	$ 9.80	$ 23,520.00	$ 10.01	$ 24,024.00	$ 6.50	$ 15,600.00	$ 10.00	$ 24,000.00
SC-01	Pipe Foundation Stabilization	CY	100	$ 0.01	$ 1.00	$ 0.01	$ 1.00	$ 0.05	$ 5.00	$ 25.00	$ 2,500.00	$ 28.00	$ 2,800.00	$ 20.20	$ 2,020.00	$ 40.00	$ 4,000.00	$ 30.00	$ 3,000.00
SC-02	Aggregate Slurry Backfill	CY	20	$ 100.00	$ 2,000.00	$ 126.00	$ 2,520.00	$ 100.00	$ 2,000.00	$ 80.00	$ 1,600.00	$ 100.00	$ 2,000.00	$ 126.25	$ 2,525.00	$ 90.00	$ 1,800.00	$ 80.00	$ 1,600.00
SC-03	Inlet Protection Type D	EA	37	$ 100.00	$ 3,700.00	$ 120.00	$ 4,440.00	$ 90.00	$ 3,330.00	$ 100.00	$ 3,700.00	$ 110.00	$ 4,070.00	$ 103.93	$ 3,845.41	$ 75.00	$ 2,775.00	$ 115.00	$ 4,255.00
SC-04	Rock Filled Filter Bags	EA	20	$ 10.00	$ 200.00	$ 100.00	$ 2,000.00	$ 15.00	$ 300.00	$ 20.00	$ 400.00	$ 15.00	$ 300.00	$ 10.61	$ 212.20	$ 7.00	$ 140.00	$ 16.00	$ 320.00
SC-05	Adjust Inlet	EA	1	$ 500.00	$ 500.00	$ 500.00	$ 500.00	$ 575.00	$ 575.00	$ 475.00	$ 475.00	$ 600.00	$ 600.00	$ 477.23	$ 477.23	$ 500.00	$ 500.00	$ 470.00	$ 470.00
SC-06	Adjust Manhole	EA	2	$ 400.00	$ 800.00	$ 500.00	$ 1,000.00	$ 575.00	$ 1,150.00	$ 849.00	$ 1,698.00	$ 800.00	$ 1,600.00	$ 858.50	$ 1,717.00	$ 500.00	$ 1,000.00	$ 660.00	$ 1,320.00
	TOTAL AMOUNT BID			**$ 1,417,716.50**		**$ 1,501,346.80**		**$ 1,510,000.00**		**$ 1,535,266.00**		**$ 1,536,548.50**		**$ 1,579,049.18**		**$ 1,601,809.00**		**$ 1,774,240.00**	

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**April 12, 2021**
DEPARTMENT:	**Board of Public Works**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on award of Contract 21-13 Crackfilling and Seal Coating***

ATTACHMENTS:

- 2021 0412 CI_BOPW_Award_21-13 (PDF)
- 2021 0318 CE_ Project 21-13 Bid Tab (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: April 12, 2021

RE: **Consideration and possible action on award of Contract 21-13 Crackfilling and Seal Coating***

The Engineering Department received bids for Project 21-13 Crackfilling and Seal Coating on March 18, 2021. This work is for the maintenance of streets and parking lots. The bids received are as follows:

Contractor	Amount
Asphalt Seal & Repair, Inc.	$135,755
American Pavement Solutions, Inc.	$138,660
Fahrner Asphalt Sealers, LLC	$175,385

The allocated amount from the capital improvement budget is $140,000. Funding will be $115,000 from the general obligation debt and $25,000 from the Parks Department capital improvements fund.

Staff's recommendation is to accept the bid from Asphalt Seal & Repair, Inc. in the amount of $135,755.

Attachments:
2021 0318 CE_21-13 Bid Tab (PDF)

DE PERE

PROJECT 21-13 CRACKFILLING AND SEAL COATING
BID TAB

				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3	
				Asphalt Seal & Repair, Inc		American Pavement Solutions, Inc		Fahrner Asphalt Sealers, LLC	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
SC-01	Crackfilling (HI-SPEC, Crafco, or Approved Equal)	LB	90,000	$ 1.28	$ 115,200.00	$ 1.33	$ 119,700.00	$ 1.70	$ 153,000.00
SC-02	Seal Coating (Gemseal Guardian, Sealmaster PMM, or Approved Equal)	SF	68,500	$ 0.09	$ 6,165.00	$ 0.09	$ 6,165.00	$ 0.14	$ 9,590.00
SC-03	Pavement Marking Epoxy 4-inch White Parking Stalls	LF	3,260	$ 4.00	$ 13,040.00	$ 3.75	$ 12,225.00	$ 3.75	$ 12,225.00
SC-04	Pavement Marking Epoxy White Accessible Stall Symbol	EA	6	$ 225.00	$ 1,350.00	$ 95.00	$ 570.00	$ 95.00	$ 570.00
	TOTAL AMOUNT BID			**$**	**135,755.00**	**$**	**138,660.00**	**$**	**175,385.00**

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**April 12, 2021**
DEPARTMENT:	**Board of Public Works**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on award of RFP 21-19 Mudjacking***

ATTACHMENTS:

- 2021 0412 CI_BOPW_Award_21-19 (PDF)
- 2021 0318 CE_21-19 Bid Tab (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: April 12, 2021

RE: **Consideration and possible action on award of RFP 21-19 Mudjacking***

The Engineering Department received proposals for Project 21-19 Mudjacking on March 18, 2021. This work is for repairs to City sidewalk. The proposals received are as follows:

Contractor	Amount
Badger Concrete Lifting, LLC	$8,850
Vernob, LLC DBA Acculift Mudjacking	$9,755
Fahrner Asphalt Sealers, LLC	$11,100

The allocated budget amount for the project from the capital improvement fund is $10,000. This is from the general obligation debt.

Staff's recommendation is to accept the proposal from Badger Concrete Lifting, LLC in the amount of $8,850.

Attachments:
2021 0318 CE_21-19 Bid Tab (PDF)

DE PERE

PROJECT 21-19 MUDJACKING

PROPOSALS

				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3	
				Badger Concrete Lifting, LLC		Vernob LLC DBA Acculift Mudjacking		Fahrner Asphalt Sealers, LLC	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
SD-01	Mud-Jacking Curb & Gutter	LF	100	$ 4.50	$ 450.00	$ 6.55	$ 655.00	$ 20.00	$ 2,000.00
SD-02	Mud-Jacking Sidewalk	SF	2,800	$ 3.00	$ 8,400.00	$ 3.25	$ 9,100.00	$ 3.25	$ 9,100.00
			Total Amount Bid	**$**	**8,850.00**	**$**	**9,755.00**	**$**	**11,100.00**

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**April 12, 2021**
DEPARTMENT:	**Board of Public Works**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on award of RFP 21-19A Sidewalk Grinding***

ATTACHMENTS:

- 2021 0412 CI_BOPW_Award_21-19A(PDF)
- 2021 0318 CE_21-19A BID TAB (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: April 12, 2021

RE: **Consideration and possible action on award of RFP 21-19A Sidewalk Grinding***

The Engineering Department received proposals for Project 21-19A Sidewalk Grinding on March 18, 2021. This work is for repairs to City sidewalks. The proposals received are as follows:

Contractor	Amount
Universal Concrete Grinding, LLC	$15,769.20
All Star Cutting & Coring, LLC	$26,160.00

The allocated budget amount for the project from the capital improvement fund is $20,000. This is from the general obligation debt.

Staff's recommendation is to accept the proposal from Universal Concrete Grinding, LLC in the amount of $15,769.20.

Attachments:
2021 0318 CE_21-19A Bid Tab (PDF)

DE PERE

PROJECT 21-19A SIDEWALK GRINDING

PROPOSALS

				BIDDER NO. 1		BIDDER NO. 2	
				Universal Concrete Grinding LLC		All Star Cutting & Coring LLC	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
SD-01	Grinding sidewalk up to five (5') feet wide and less than two (2") inches high	EA	400	$38.65	$15,460.00	$64.50	$25,800.00
SD-02	Grinding of sidewalk wider than five (5') feet wide	LF	40	$7.73	$309.20	$9.00	$360.00
			Total Amount Bid		**$15,769.20**		**$26,160.00**

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE: **April 12, 2021**

DEPARTMENT: **Public Works**

FROM: **Scott Thoresen**

SUBJECT: **Consideration and Possible Action on Reservoir Mixers***

The installation of water mixer equipment in our 9th Street reservoir and Scheuring Road reservoir will ensure uniform temperatures and disinfection residual results in reducing byproducts and eliminates ice damage in the tank. The City currently has water mixer equipment in our three (3) water towers. Staff solicited three (3) companies for proposals (See attached) and has received the following quotes (See proposal summary) for installation of the water mixer equipment:

William Reid LTD, of Germantown, WI
- 9th Street Reservoir = $ 14,995.00
- Scheuring Road Reservoir = $ 14,995.00

Suez Advanced Solutions, of Atlanta, GA
- 9th Street Reservoir = $ 64,984.85
- Scheuring Road Reservoir = $ 37,303.03

KLM Engineering, Inc., of Woodbury, MN :
- 9th Street Reservoir = No Bid
- Scheuring Road Reservoir = No Bid

Staff reviewed the proposals that were submitted. In addition, staff contacted Gladstone Water Utility, Neenah Water Utility, and Two Rivers Water Utility to see how the mixers installed by William Reid have been performing. All three water utilities provided staff favorable recommendations.

Staff recommends approving the proposal from William Reid LTD, of Germantown, WI for the 9th Street reservoir for $14,995.00 and the Scheuring Road reservoir for $14,995.00. The 2021 water utility budget has sufficient funding allocated for the reservoir water mixer equipment.

ATTACHMENTS:

- 2021 Reservoir Mixers (DOCX)
- Consultant Agreement Template 12-8 -2020 (PDF)
- William Reid Proposal for 2021 Reservoir Mixers (PDF)
- Suez Proposal for 2021 Reservoir Mixers (PDF)

CITY OF DE PERE

Public Works Department

925 S. Sixth Street, De Pere, WI 54115 | 920-339-4060 | www.de-pere.org

February 22, 2021

RE: Request for Proposals
2021 Reservoir Mixers

The City of De Pere is requesting a proposal from your firm to furnish and install a submersible potable reservoir mixer for the City's 9th Street and Scheuring Road ground reservoirs for the proper operation of each mixer. Installation of the reservoir mixers shall also include control box and SCADA monitoring system for each mixer.

9th Street Ground Reservoir

The 9th Street reservoir located at 315 – N. 9th Street is a 250,000 – gallon underground concrete storage reservoir that was constructed in 1964. Your firm will be required to review existing drawings and as-built information and any other pertinent information pertaining to the reservoir in order to complete the scope of work for this project.

Scheuring Road Ground Reservoir

The Scheuring Road reservoir located at 1340 Scheuring Road is a 250,000 – gallon above ground concrete storage reservoir that was constructed in 1982. The overflow height of the reservoir is sixteen (16) feet. Your firm will be required to review existing drawings and as-built information and any other pertinent information pertaining to the reservoir in order to complete the scope of work for this project.

Scope of Work:

1. Review existing drawings and as-built of reservoirs and any other pertinent information pertaining to each reservoir in order to complete the scope of work for the project.

2. Provide submersible reservoir mixer for potable water.

    a. Reservoir mixer will completely mix the reservoir to maintain a consistent water temperature and chlorine residual. In addition, the reservoir mixer will

completely mix the reservoir so ice does not form inside the tank during the winter months.

b. The reservoir mixer will be fully submersible, designed for potable water, and can be installed without reservoir entry.

c. The reservoir mixer will operate continuously, all day and all night, using 120 VAC as the power source. The reservoir mixer will not have a gearbox and will not require lubrication.

d. The reservoir mixer will have no visible defects, and have high quality welds, assembly, and corrosion resistant finish.

e. The reservoir mixer will have a stainless steel cable or retrieval chain.

f. The reservoir mixer shall be the manufacturer's latest model and design.

g. Installation of each reservoir mixer shall include any accessories necessary for proper operation of each reservoir mixer.

h. Installation of each reservoir mixer shall include control box and SCADA monitoring system for each reservoir mixer.

i. Installation of each reservoir mixer shall include installation of all electrical necessary for operation of each reservoir mixer including any trenching to connection to the City's electrical panel. All electrical work shall meet all State and municipal codes.

j. The reservoir mixer will be certified to ANSI/NSF Standard 61 and will be compliant with all aspects of the Safe Drinking Water Act (SDWA).

k. The manufacturer of the reservoir mixer will have extensive experience in the production of such equipment, and the equipment will be manufactured in the United States.

l. The reservoir mixer will be warranted to be free of defects for a period of five (5) years.

3. Installation of the reservoir mixer shall meet all requirements of the Wisconsin Department of Natural Resources (WDNR), State Statues, Municipal codes, or other code requirements which includes obtaining any necessary approvals or permits by contractor.

4. The proposal should reflect the necessary effort to perform the above-mentioned work and any additional efforts the firm feels are necessary to complete the installation of the reservoir mixers.

Hours of Work:

No work shall be performed prior to 7:00 a.m. and shall be completed by 5:00 p.m. Normal working days shall be Monday through Friday. No work will be allowed for any reason on Saturday, Sunday, or Holidays unless weather issues throughout the work requires Saturday work. Work on weekends or holidays must be approved by the City.

Payment:

Payment shall be made when the following conditions have been met:

1) The City has inspected and has determined that all the specifications and conditions have been met to the City's satisfaction for the installation of the reservoir mixers.

2) A detailed invoice is submitted to City for the specific showing which items have been completed.

Schedule:

The installation of the reservoir mixers shall be completed by December 1, 2021.

Indemnification:

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify, and hold harmless the Water Utility of each municipality, its officials, agents and employees against all injuries, deaths, loss, damages, claims, patent claims, suits, liabilities, judgments, cost and expenses, which may in any way accrue against the Water Utility of each municipality, its officials, agents, employees and volunteers arising in whole or in part or in consequence of the performance of this work by the Contractor, its employees, or subcontractors, or which may in any way result therefore, except that arising out of the sole legal cause of the Water Utility of each municipality, its officials, agents, or employees, the Contractor shall, at its own expense appear, defend, and pay all charges of attorneys and all costs and other expenses arising therefore or incurred in connection therewith, and, if any judgment shall be rendered against the municipality, its officials, agents, and employees, in any such action, the Contractor shall, at its own expense, satisfy and discharge the same. Contractor expressly understands and agrees that any performance bond or insurance protection required by the contract, or otherwise provided by contractor, shall in no way limit the responsibility to indemnify, keep and save harmless, and defend the Water Utility of each municipality as herein provided.

Insurance Requirements:

The firm shall be required to provide the following minimum public liability and property damage insurance to cover claims for injuries, including accidental death, as well as from claims for property damages which may arise from the performance of work as stated below:

1. Comprehensive general liability insurance, including personal injury liability, blanket contractual liability and broad form property damage liability. The combined single limit for bodily injury and property damage shall not be less than $1,000,000; with additional umbrella liability insurance coverage to a total of not less than $2,000,000.

2. Automobile bodily injury and property damage liability insurance covering owned, non-owned, rented and hired cars. The combined single limit for bodily injury and property damage shall be not less than $1,000,000.

3. Statutory workers compensation and employers' liability insurance as required by the state having jurisdiction.

4. Professional liability insurance covering damages resulting from errors and omissions of the Consultant. The limit of liability shall be $1,000,000 or the total engineers and/or surveyor's fee on the project, whichever is greater.

Property Protection:

The company shall take precautions to prevent damage to property and any underground lines and shall restore the site to the condition existing prior to entry, including backfilling and topsoil, seed, and mulch landscape restoration.

Additional Information:

- Sample consultant agreement is attached

All proposals should include the following information:

1) Previous Experience: Past Work on projects of similar or greater magnitude.

2) References: The proposals shall include the Contractor's experience. At a minimum, three (3) similar projects shall be included as references.

3) Cost: Firm shall submit prices on proposal sheets provided with this proposal to complete all work mentioned above.

4) Schedule: Firm shall submit the number of days to complete the installation of the reservoir mixers and the anticipated start date on proposal sheet provided with this proposal to complete all work mentioned above.

Sealed proposals marked **"Reservoir Mixers"** on envelope are to be delivered or mailed to:

Scott J. Thoresen P.E.,
Director of Public Works
City of De Pere
925 South Sixth Street
De Pere, WI 54115

All sealed proposals shall be received no later to 2:00 PM (CST) on March 31, 2021.

The City of De Pere reserves the right to reject any or all proposals, to waive any informality in bidding and to accept any proposal which the respective City Council deems most favorable to the best interest of the City.

If you have any questions regarding this proposal, please contact Eric Zygarlicke at (920) 339-4063.

Sincerely,

DEPARTMENT OF PUBLIC WORKS

Scott Thoresen, P.E.
Director of Public Works

City of De Pere Water Utility
2021 Reservoir Mixer Proposal

The following proposal is submitted to: City of De Pere Water Utility, in accordance with the written proposal to furnish all labor, materials, tools, equipment and incidentals necessary for the installation of the reservoir mixers to meet all Wisconsin Department of Natural Resources (WDNR), Wisconsin Statutes, and other code requirement as specified in this proposal.

The undersigned FIRM agrees, if this proposal is accepted, to enter into an agreement with the City of De Pere to perform and furnish all work as specified in this proposal. The undersigned firm will meet and adhere to the City of De Pere's requirements as indicated in the proposal.

Based on the details provided in this proposal, the undersigned firm agrees they are able to meet the City of De Pere's requirements and that the prices per reservoir mixer installation to meet said requirements are as follows:

Lump Sum Price for 9th Street Reservoir Mixer: $_____

Lump Sum Price for Scheuring Road Reservoir Mixer: $_____

_____
Name of Firm

_____
Address of Firm

_____
Telephone Number

The undersigned bidder, being duly sworn, does depose and say that he is an authorized

representative of:_____ and that the said bidder has examined and carefully prepared his bid from the Proposal Requirements, and has checked the same in detail before submitting said proposal or bid; and that said bidder or his agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in an collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

_____ _____

Signature of Bidder Date

_____ _____

Print or Type Name of Bidder Title

Estimated Start Date: _____

Estimated Work Days to Complete: _____

AGREEMENT FOR SERVICES BETWEEN THE
CITY OF DE PERE AND _____(CONSULTANT NAME)_____
(Project Name)

THIS AGREEMENT made and entered into this ___ day of _____, 2021, by and between the City of De Pere, a Wisconsin municipal corporation ("City"), and _____ _____("Consultant").

WITNESSETH

WHEREAS, the City is in need of_____(project description)_____ _____; and

WHEREAS, the Consultant has available and offers to provide qualified personnel and facilities necessary to accomplish the work within the required timeframe.

NOW THEREFORE, City and Consultant agree as follows:

I. DESCRIPTION OF PROJECT

The project is as described in the __(date)___ City Request for Proposals (Exhibit A) and Consultant's Proposal thereto dated (date)__ (Exhibit B), both of which are attached hereto and incorporated by reference. If a conflict exists between Exhibit A and Exhibit B, the terms of Exhibit A shall prevail. If there is a conflict between the terms and conditions of Exhibit A and this Agreement, the terms of this Agreement shall prevail. No standard terms or conditions of Consultant's Proposal are incorporated into this Agreement unless such term is specifically written into the Agreement.

If, during the course of performing the work, City and Consultant agree that it is necessary to make changes in the project as described in the exhibits, such changes will be incorporated into this Agreement only by written amendment, signed by the parties.

II. SCOPE OF CONSULTING SERVICES

Consultant agrees to perform those services described Exhibits A and B. Any change to the scope of services as identified therein shall be defined in writing and authorized by both parties prior to performing such work. Such writing shall include the scope of work to be done, schedule for commencing and completing the work and the basis for compensation for such work.

SAMPLE

III. SCOPE OF CITY SERVICES

City agrees to provide the Consultant items such as existing plans, standard specifications, and other information concerning the project that may be applicable in the design of the project, as are available.

IV. AUTHORIZATION, PROGRESS, AND COMPLETION

In signing this Agreement, the City grants the Consultant specific authorization to proceed with the work described herein.

For special services, the authorization by the City shall be in writing and shall include the definition of the work to be done, the schedule for commencing and completing the work, and the basis for compensation for the work, all as agreed upon by the City and the Consultant.

V. OWNERSHIP AND FORM OF DOCUMENTS

All documents created, maintained or received during the course of this Agreement, including those in electronic form, shall be deemed the property of City and Consultant shall not be considered the owner of any such document nor shall the Consultant retain any common law, statutory, or other right therein, including copyright, patent, or trademark. To that end, Consultant agrees to and hereby does assign and transfer to City all rights, title, and other interests in such drawings, specifications, or other documents, which rights shall include copyright, trademark, or patent rights therein, unless City fails to pay Consultant for such drawings, specifications and other documents, in which case the ownership and all rights shall revert to the Consultant.

City hereby grants Consultant a non-exclusive license to use the documents created pursuant to this Agreement, including any standard details used herein.

Consultant acknowledges that, as the Consultant to City, a Wisconsin municipality, Wis. Stats. §19.36(3) applies to it and records produced by it pursuant to this contract are subject to the public records law to the extent they would otherwise be if maintained by the City. Consultant agrees that, within 10 business days of a written request of City, it shall forward to City any such contract or records maintained by Consultant as are requested by City. Such records shall be in the format requested by City provided that such records are kept and maintained in that format. City shall reimburse Consultant for its reasonable costs incurred in complying with this paragraph.

Consultant further agrees to indemnify the City from all costs City incurs should Consultant fail to comply with these requirements.

SAMPLE

VI. CONFIDENTIALITY OF INFORMATION

Consultant understands that, during the course of work under this contract, Consultant may become privy to confidential information of City. Consultant shall maintain the confidentiality of all information specifically designated confidential by City unless withholding such information would violate the law, create a significant harm to the public, or create a risk of significant harm to the public.

VII. TIME FOR COMPLETION

The parties hereto agree that time is of the essence in completion of the project. Should Consultant encounter any circumstances, which, in the Consultant's opinion, will delay their response time, Consultant shall so inform the City as soon as the delay in response time is known.

VIII. COMPENSATION

The City agrees to pay, and the Consultant agrees to accept, compensation as identified in Exhibit B, to be paid in a lump sum at the conclusion of the work. Payment to the Consultant is due upon receipt of invoice by the City. Compensation for special services shall be as agreed upon by the City and Consultant and set forth in the written authorization for special services.

IX. RESPONSIBILITY OF CONSULTANT

The Consultant is employed to render a professional service only, and any payments made to the Consultant are compensation solely for such services rendered and recommendations made in carrying out the work. The Consultant shall follow the practice of its profession to make findings, opinions, factual presentations, and professional advice and recommendations, consistent with the standard of care expected of professionals in the industry performing similar services on projects of like size and complexity.

X. NON-DISCRIMINATION

The Consultant agrees that, in performing under this Agreement with the City, it will not discriminate against any employee, applicant for employment or any other person or member of the public on the basis of age, race, creed, color, disability, marital status, sex, national origin, ancestry, arrest record, conviction record, military service, use or non-use of lawful products off the employer's premises during nonworking hours, declining to attend a meeting or to participate in any communication about religious matters or political matters, or any other basis provided under Wis. Stats. §111.321.

XI. INSURANCE

A. The Consultant shall maintain during the life of the Agreement, the following

SAMPLE

minimum public liability and property damage insurance to cover claims for injuries, including accidental death, as well as from claims for property damages which may arise from the performance of work under the Agreement as stated below:

1. Comprehensive general liability insurance, including personal injury liability, blanket contractual liability and broad form property damage liability. The combined single limit for bodily injury and property damage shall not be less than $1,000,000; with additional umbrella liability insurance coverage for a total of not less than $2,000,000.

2. Automobile bodily injury and property damage liability insurance covering owned, non-owned, rented and hired cars. The combined single limit for bodily injury and property damage shall be not less than $1,000,000.

3. Statutory workers compensation and employers' liability insurance as required by the state having jurisdiction.

4. Professional liability insurance covering damages resulting from errors and omissions of the Consultant. The limit of liability shall be $1,000,000 or the total consultant's fee on the project, whichever is greater.

B. Proof of Insurance. The Consultant shall furnish the City with a Certificate of Insurance and additional insured endorsement countersigned by a Wisconsin Resident Agent or Authorized Representative of the insurer indicating that the Consultant meets the insurance requirements identified above. The Certificate of Insurance shall include a provision prohibiting cancellation of said policies except upon 30 days' prior written notice to the City and shall name the City as an additional insured under Consultant's general and professional liability policies for the specific contract or project covered. A copy of the Certificate of Insurance and endorsement shall be delivered to the City prior to execution of the agreement for final approval.

XII. ALLOCATION OF RISKS

To the fullest extent permitted by law, the Consultant shall indemnify and hold harmless the City, City's officers, directors, partners, and employees from and against any and all costs, losses, and damages (including, but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) caused by the negligent acts or omissions of Consultant or Consultant's officers, directors, partners, employees, and Consultant's Consultants in the performance and furnishing of Consultant's services under this Agreement.

To the fullest extent permitted by law, Consultant's total liability to City and anyone claiming by, through or under City for any cost, loss or damages caused in part by the negligence of Consultant or Consultant's subcontractor and in part by the negligence of City or

SAMPLE

any other negligent entity or individual, shall not exceed the percentage share that Consultant's or Consultant's subcontractor negligence bears to the total negligence of City, Consultant and all other negligent entities and individuals.

XIII. SUBCONTRACTS

The Consultant shall obtain the written consent of the City prior to subcontracting any portion of the work to be performed under this project. The Consultant shall be responsible to the City for the actions of person and firms performing subcontract work.

XIV. ASSIGNMENT

This Agreement is binding on the heirs, successors, and assigns of the parties hereto. This Agreement is not to be assigned by either the City or Consultant without the prior written consent of the other.

XV. INTEGRATION

This Agreement represents the entire understanding of the City and Consultant as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered hereunder. This Agreement may not be modified or altered except in writing signed by both parties.

XVI. JURISDICTION

This Agreement shall be administered and interpreted under the laws of the State of Wisconsin. Jurisdiction of litigation arising from this Agreement shall be in that state. If any part of this Agreement is found to be in conflict with applicable laws, such part shall be inoperative, null and void insofar as it is in conflict with said laws, but the remainder of this Agreement shall be in full force and effect.

XVII. SUSPENSION OF WORK

The City may suspend, in writing, all or a portion of the work under this Agreement in the event unforeseen circumstances beyond the control of the Consultant make normal progress in the performance of the work impossible. The Consultant may request that the work be suspended by notifying the City, in writing, of circumstances which are interfering with normal progress of the work. If agreed, the time for completion of the work shall be extended by the number of days the work is suspended. In the event that the period of suspension exceeds 90 days, the terms of this Agreement are subject to renegotiation and both parties are granted the option to terminate work on the suspended portion of the project in accordance with Article XVIII.

SAMPLE

XVIII. TERMINATION OF WORK

The City may terminate all or a portion of the work covered by this Agreement for its convenience. Either the City or the Consultant may terminate work in the event the other party fails to perform in accordance with the provisions of this Agreement. Termination of this Agreement is accomplished by 15 days prior written notice from the party initiating termination to the other. Notice of termination shall be delivered by certified mail with receipt for delivery returned to the sender.

In the event of termination, the Consultant shall perform such additional work as is necessary for the orderly filing of documents and closing of the project. The additional time for filing and closing shall not exceed 10 percent of the total time expended on the completed portion of the project prior to the effective date of termination.

The Consultant shall be compensated for the completed portion of the work on the basis of work actually performed prior to the effective date of termination plus the work required for filing and closing. Charges for the latter work are subject to the 10 percent limitation described in this Article.

XIX. MEDIATION

All claims, disputes and other matters in question between the parties of this Agreement arising out of or relating to this Agreement or breach thereof, which are not disposed of by mutual agreement of the parties, shall be subject to mediation as a condition precedent to the institution of legal proceedings by either party. If such claim, dispute or other matter involves a lien arising out of the Consultant's services, the Consultant may proceed in accordance with applicable law to comply with lien notice and filing deadlines prior to resolution of the matter by mediation.

The City and Consultant shall attempt to resolve claims, disputes and other matters in question between them by mediation. A request for mediation shall be filed in writing with the other party to this Agreement. The request may be made concurrently with the filing of a civil action, but mediation shall proceed in advance of legal proceedings.

The parties shall share the mediator's and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

XX. NOTICES

Any notification required or needed under the contract shall be sent via First Class Mail to the following:

SAMPLE

If to City:

If to Consultant:

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written.

(COMPANY NAME) CITY OF DE PERE, WISCONSIN

By: _____ By: _____
Name: _____ James G. Boyd, Mayor

By: _____ By: _____
Name: _____ Carey E. Danen, City Clerk

J:\Law\Agreements\Consultant Agreement Template12-8-20.docx

SAMPLE

“Reservoir Mixers”

ATTENTION: DEPARTMENT OF PUBLIC WORKS
Scott Thoresen, P.E.
Director of Public Works

Submittal prepared by:

Jason Metz

William Reid LTd

jason@williamreidltd.com

630-728-5146

City of De Pere Water Utility
2021 Reservoir Mixer Proposal

The following proposal is submitted to: City of De Pere Water Utility, in accordance with the written proposal to furnish all labor, materials, tools, equipment and incidentals necessary for the installation of the reservoir mixers to meet all Wisconsin Department of Natural Resources (WDNR), Wisconsin Statutes, and other code requirement as specified in this proposal.

The undersigned FIRM agrees, if this proposal is accepted, to enter into an agreement with the City of De Pere to perform and furnish all work as specified in this proposal. The undersigned firm will meet and adhere to the City of De Pere's requirements as indicated in the proposal.

Based on the details provided in this proposal, the undersigned firm agrees they are able to meet the City of De Pere's requirements and that the prices per reservoir mixer installation to meet said requirements are as follows:

Lump Sum Price for 9th Street Reservoir Mixer: $14,995.00

Lump Sum Price for Scheuring Road Reservoir Mixer: $14,995.00

William Reid LTD
Name of Firm

PO Box 397 Germantown WI 53022
Address of Firm

262-255-5420
Telephone Number

The undersigned bidder, being duly sworn, does depose and say that he is an authorized

representative of: William Reid ltd and Kasco and that the said bidder has examined and carefully prepared his bid from the Proposal Requirements, and has checked the same in detail before submitting said proposal or bid; and that said bidder or his agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in an collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

Jason Metz
Signature of Bidder

3-31-2021
Date

Jason Metz
Print or Type Name of Bidder

Sales Engineer
Title

Estimated Start Date: May 3, 2021

Estimated Work Days to Complete: 2 full days

CertiSafe™ Mixers



BENEFITS OF A POWERFUL, ACTIVE MIXER

- Improves water quality
- Eliminates ice formation
- Minimizes residual loss
- Reduces thermal and chemical stratification
- Reduces differences in water taste and odor
- Reduces nitrification risk in chloraminated water
- Lowers the rate of disinfection by-product (DBP)
- Lowers the rate of sediment accumulation





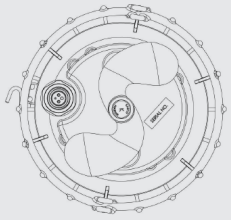
UNIT SPECIFICATIONS

Sizes Available	1/2HP, 3/4HP, 1HP and 2HP
Electrical Requirements	120V, single phase, 60Hz (1/2HP, 3/4HP and 1 HP) 240V, single phase, 60Hz (3/4HP, 1HP and 2HP)
Lubrication	Food-grade mineral oil
Cord Lengths	Stub (32 in.), 50 ft., 100 ft., 200 ft.

UNIT DIMENSIONS

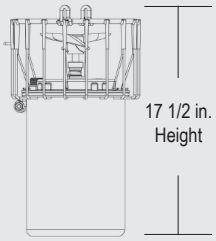
1/2, 3/4 & 1HP Dimensions

Unit Top



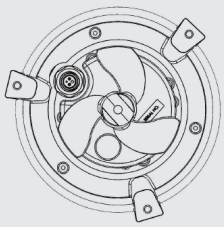
9.5 in. diameter

Unit Side



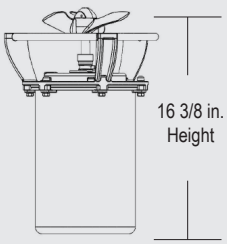
2HP Dimensions

Unit Top



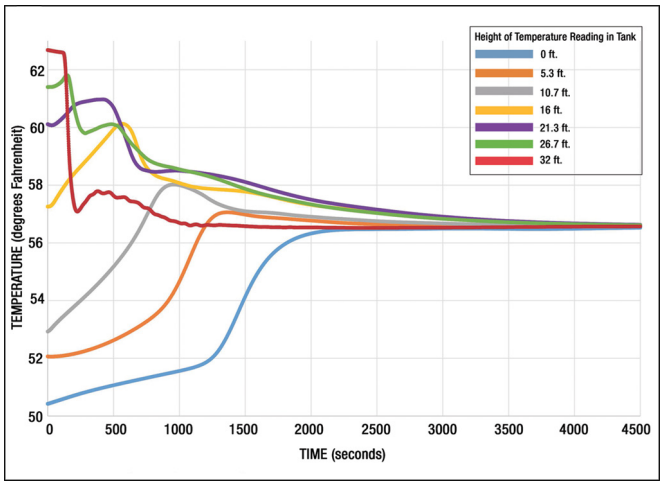
11.8 in. diameter

Unit Side

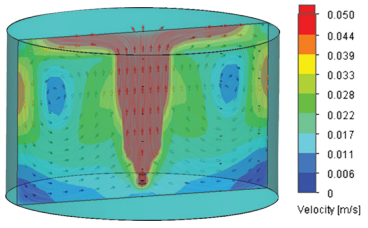


MIXING CAPABILITIES

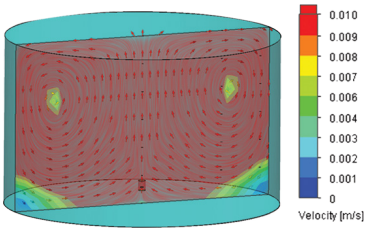
Computational fluid dynamics (CFD) and test results using a 3400C61 CertiSafe™ mixer to mix a .5 million gallon tank



Results from thermal testing shows all layers of the tank converged within 40 minutes



Velocity representation



CFD indicating tank can be thoroughly mixed over time

MOUNTING

Install Kasco's CertiSafe™ mixer in elevated and ground storage tanks with the available base mount, pipe mount and suspended mounting options.

CONTROL & MONITORING

UL LISTED CS-100 (120Volt) and CS-200 (240Volt) control panels are designed for easy installation and operation. Both include an H-O-A operator switch, LED indicator lights, SCADA I/O for remote control and monitoring, and a low water mixer inhibit circuit to prevent mixer damage.

Kasco®

Moving Water Forward, Since 1968

KascoMarine.com

© Kasco Marine, Inc 5/2018

Kasco References. NOTE – Kasco Mixers and Control panels offer/carry the 5 year warranty. Others only warranty the mixer.

Neenah Water.
.5MG, 2-1.5MG elevated tanks.
Anthony L. Mach
Water Treatment Manager
Neenah Water Utility
234 S. Park Ave.
Neenah, WI 54956
Office: (920) 886-6196
Cell: (920) 858-6300

Matt LaForest, field engineer for Indian Health Services
Odanah Wi 200,00 gallon tank.
Email: matthew.laforest@ihs.gov
Phone: 715-682-6067

Two River's Water Department – installed by William Reid LTD
Ross Blaha
Water Utilities Director
3 – ¾ HP mixers 2 in water towers, 1 in inlet tank.
Email: rosbla@two-rivers.org
Phone: 920-793-5558

Gladstone MN Water tank
Robert Spreitzer
City of Gladstone
Water Superintendent
Phone = 906-428-3460
Fax=906-428-9663
Cell=906-399-0764
rspreitzer@gladstonemi.org

Installation history of labor-intensive applications

Hartford WI
Installation of pumps and robust air mixing system in a wet well

Manitowoc WI
Installation of conditioning pumps in wet well. Had to install the pumps without draining the well. Second pump for a second wet well being done this year.

Clintonville WI
Installation of ChemScan analyzer and feed pump. Feed tube needed to be run 30' underground and several holes drilled into the walls of the existing building.

Customer Service Contacts & Information

Kasco takes great pride in knowing that we can take care of all your needs. Our customer service team stands out from the rest, we are well known for:

- Call backs the same day
- Freight quotes on the spot
- Emails returned often within minutes
- Professional, pleasant, knowledgeable, courteous staff

Home Office:

Phone:	715-262-4488
Toll Free:	800-621-7611
Fax:	715-262-4487
E-mail	
Sales:	Sales@kascomarine.com
Website:	www.kascomarine.com
Repairs:	Hayden.j@kascomarine.com
Marketing:	Marketing@kascomarine.com

Staff:

Name	Department/Title	E-mail Address
Matt Frey	Inside Sales\Robust Aire Category Manager	Matt.f@kascomarine.com
Dan Cremin	Inside Sales\ Deicer inquiries	Dan.c@kascomarine.com
Kel Weinfurter	Order Entry\ Customer Service	Kel.w@kascomarine.com
Joni Moe	Shipping Department\Invoicing	Joni.m@kascomarine.com
Hayden Johnson	Repair Department	Hayden.j@kascomarine.com
Kelly Strandmark	Office Manager\Accounts Receivable	Kelly.s@kascomarine.com

Thank you for your interest in Kasco products. Below are a few important details that will make our new partnership an easy transition. Please read the following information and key notes:

For submitting purchase orders, freight quote requests, or general product questions please email: sales@kascomarine.com or call 715-262-4488.

For questions about shipping & invoicing please contact Joni Moe
Joni.m@kascomarine.com or you may call her at 715-262-2308.

For questions about your account balance, or A/R please contact Kelly Strandmark
Kelly.s@kascomarine.com or you may call her at 715-262-2300.

For the warranty/repair department please contact Hayden Johnson
Hayden.j@kascomarine.com or you may call him at 715-262-2312.

For product brochures or marketing assistance please contact
marketing@kascomarine.com or you may call 715-262-2310.

Reports:
We at Kasco put the "Lean" method in all we do. We, like many other companies, are "going green". This means that all correspondence can be emailed to you, including reports. Please let us know who should get these email notifications. Our software enables us to send electronically:

- Order acknowledgements
- Packing slips (only freight cost will be listed)
- Invoices
- Statements
- Quarterly Reports

Repair Department:
All units that are sent into Kasco for repair or warranty service must be accompanied by our Repair Form. This form must be placed inside the unit box so that we can properly identify who sent it in and how to contact you with an estimate. No work will be performed without prior authorization.

For warranty consideration it is company policy that the end user or distributor pay the cost of the freight to send in the unit to Kasco. Once it arrives, a thorough inspection will be done by our expert repair technicians. Once a repair has been determined to be a warranty repair due to a manufacturers defect, Kasco will fix the unit and pay the shipping charges to send the unit back to the customer.

For a repair form please visit. https://kascomarine.com/resources/repair-centers/

Returns:
Kasco will not accept used products or items that have been in the water. If you wish to return an item, please call into customer service for an RMA number. Only items that are unused and in brand new condition may be returned. A 10% restocking fee will be applied on all returns. Please send items back to:

Kasco Marine
800 Deere Road
Prescott, WI 54021
Attn: Returns RMA# _____

Purchase Orders:
All orders must be emailed or faxed. No Verbal orders will be taken over the telephone. Orders may be emailed to: sales@kascomarine.com or faxed: 715-262-4487

Shipping:
Kasco's preferred freight carrier is FedEx. All orders will arrive via FedEx Ground, Expedited, or by Truckload. If shipping Prepaid, then the freight cost will be added to your final invoice.

For shipments that are billed 3rd Party or collect please provide your account number and the shipping company you would prefer us to use.

For all motor freight shipments (palletized) please let our order entry department know if you will need any services with your freight such as:

- Liftgate service
- 24 Hr. Notification
- Limited access
- Inside Delivery
- Residential
- Contact information with Phone Number.

Having this information prior to shipping will ensure that your order will not be delayed

Dropship:
Kasco will drop ship directly to the end user. A $10.00 Dropship fee will be added to the final invoice.

Minimum Order:
There is a $5.00 minimum order fee for all orders under $50.00

Invoice & payment:
All invoices and Statements will be sent via email. If you wish to have your invoice/statements mailed through the US Postal Service, please let our A/R Department know in advance. Payment must arrive by your agreed payment terms. If you wish to send electronic payment, please contact the accounts receivable department.

Freight Quotes:
You may request a freight quote by calling 715-262-4488 or by emailing sales@kascomarine.com

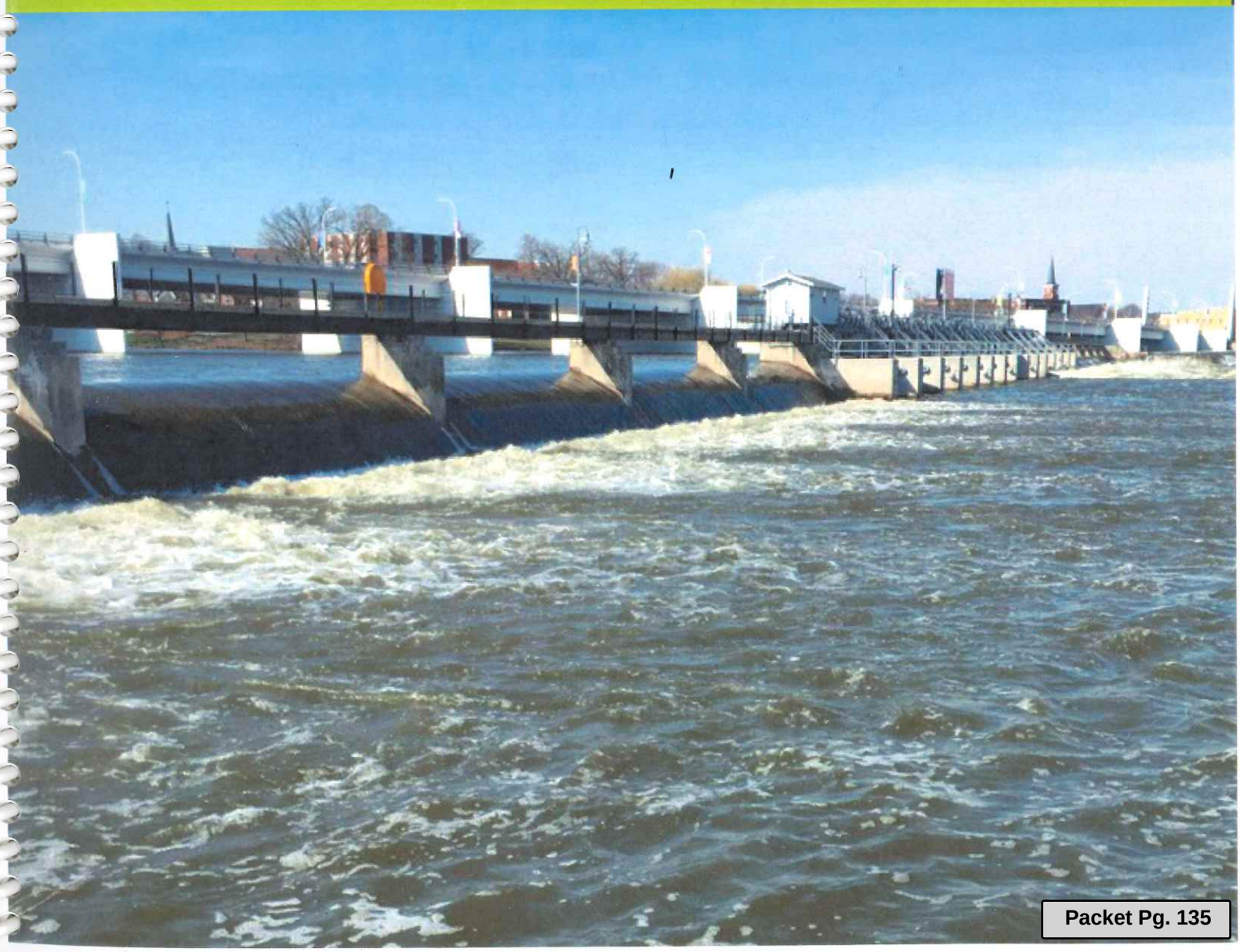
All quotes are valid for 30 days. Freight quotes are estimates and may vary slightly due to national fuel surcharges.

suez

Proposal for
2021 RESERVOIR MIXERS

City of De Pere, WI

March 31, 2021



DE PERE

RUNS DEEPER

Proposal for

2021 Reservoir Mixers

Public Works Department

City of De Pere, WI

Submitted By: Utility Service Co., Inc. (a SUEZ company)
Address: 1230 Peachtree Street NE, Suite 1100, Atlanta, GA 30309
Phone: (855) 526-4413

suez

March 31, 2021 (03/31/2021)

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EXECUTIVE SUMMARY

As communities continue to expand and grow, so do the impacts on our natural resources. The successful management of one (1) of these natural resources is especially vital—water. At Utility Service Co., Inc. (a SUEZ company)—referred to hereinafter as "SUEZ"—we focus on a singular mission of safeguarding the water supply our valued clients. By partnering with communities, we provide integrated solutions in all aspects of potable water management—from water quality and active mixing solutions to full-service asset maintenance programs. We truly understand the critical nature of water management and are committed to providing clients with a true peace of mind by protecting their most precious natural resource.

SUEZ provides advanced solution services to assist in the suitable management of potable water storage assets. As the largest provider of maintenance programs for water assets in the United States, our team is committed to delivering the highest value of service to our many clients. With 160 years of experience, we offer essential support to ensure water system conservation, efficiency, and operability. Our dependable, innovative solutions manage the pressures of both increasing regulations and operational costs—while also utilizing effective practices to create sustainable water systems. Our comprehensive approach delivers peace of mind that your water resources and assets are protected. Together—with our dedicated team of experts and advanced technologies—partnering with SUEZ is a plan for the future.

SUEZ'S REVOLUTIONARY ASSET MAINTENANCE PROGRAM IS ENHANCED BY A COMMUNICATIONS DIVISION AND A TEAM OF WATER PROFESSIONALS THAT ARE CAPABLE OF ADDRESSING ANY TYPE OF SITUATION REGARDING ANY AND ALL REPAIRS, REHABILITATION, PREVENTATIVE MAINTENANCE, ACTIVE MIXING SYSTEMS, THM REDUCTION, AND CELLULAR SITE MANAGEMENT—AS WELL AS ANY AND ALL EMERGENCY SERVICES.

The Trihalomethane (THM) Removal System (TRS) is a custom-designed, in-tank aeration system which optimizes THM removal within potable water tanks and reservoirs to assist with both STAGE 1 and STAGE 2 Disinfection By-Product (DBP) Rule Compliance. At SUEZ, we combine multiple aeration technologies—sprayers, aerators, mixers, and ventilation—with our proprietary design and performance modeling software to create custom-designed, turn-key aeration systems that are both cost-effective and energy-optimized. Unlike other aeration systems, the TRS is customized for each tank—and its operating conditions—to maximize effectiveness while minimizing cost.

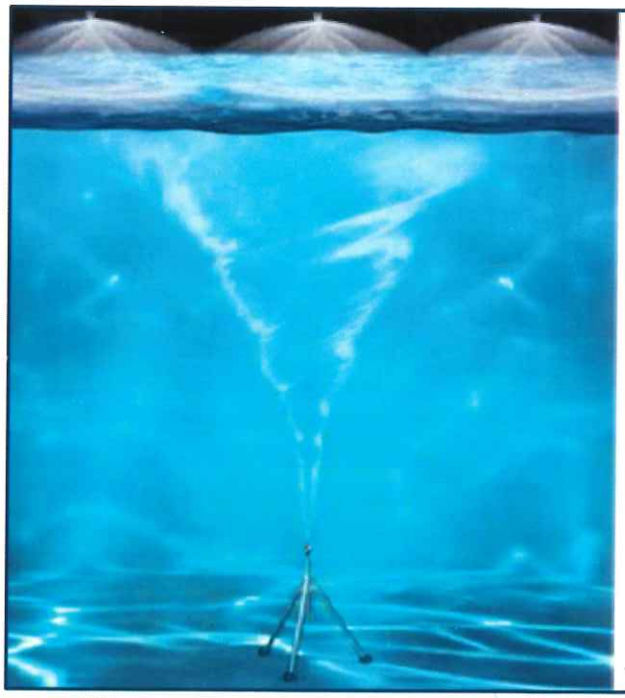
We draw on our extensive experience as both water system operators and tank maintenance specialists to ensure the custom-engineered THM-removal solution will be both safely and effectively integrated into the water distribution system. We have also pioneered a full-service maintenance program to ensure the ongoing performance and reliability of the TRS within the water storage tank asset.

As the largest provider of asset maintenance programs to the United States potable water industry, we provide valuable services and specialized programs to assist in the suitable management of water assets. Our goal is to provide the highest possible value of services—allowing our clients to invest capital and operating funds for the maximum benefit of fixed distribution assets and ultimately build a long-standing partnership to ensure the successful maintenance of water system assets.

With major service centers and experts located throughout the country to provide dependable and efficient responses to our many valued clients, our local presence and highly qualified crews deliver the high-quality results expected by our many clients. Our team has extensive project experience and specialized knowledge of the characteristics and conditions associated with water systems and infrastructure in the State of Wisconsin and the northern region of the United States—ensuring that water system assets are fully protected and maintained on an ongoing and consistent basis.

Our background and experience with all tank styles and sizes allows us to comfortably accept any of the risks associated with the furnishing, installation, and ongoing maintenance of water storage tank mixers and mixing systems. We protect over 8,000 assets nationally with our renowned full-service maintenance and asset management programs. These ongoing programs center on long-term partnerships with our clients with a rather consultative philosophy to solving problems.

SUEZ understands that compliance requires both time and resources. Deploying solutions in the water distribution system to reduce the Disinfection Byproduct (DBP) levels is significantly faster and cheaper than implementing changes to the upstream processes within the water distribution system. We install and service trihalomethane (THM) removal systems (TRS) that provide the THM removal from water in both reservoirs and storage tanks to help operators achieve cost-effective regulatory compliance. This *Proposal* provides an outline of SUEZ's qualifications and experience, advanced technological capabilities, the vast resources and expertise we provide, and our strong commitment to our valued clients.



OUR THM REMOVAL PROGRAM INCLUDES

- The deployment of proprietary software for tank and THM modeling
- Custom-engineered system drawing from a range of aeration technologies
- Optimal combination of sprayers, aerators and mixers
- Results measurement that provides a detailed report of improved performance

VALUE OF THM REMOVAL SERVICES

- Guarantees THM percentage removal
- The most cost-effective THM removal available
- Custom-designed solution for tank & system characteristics
- Energy efficient Stage 2 DBP compliance
- Installation by trusted tank specialists



COMPANY PROFILE

SUEZ focuses on providing sustainable asset management, water quality and conservation services, and our specialized solutions to the U.S. water industry. Since 1963, our team has provided a full range of potable water storage tank maintenance services. We extended the value of services offered to our clients with the revolutionary SUEZ Tank Asset Maintenance Program in 1985, allowing clients to transfer all future risks of asset ownership—including all repairs, rehabilitation, and maintenance—to SUEZ. These asset maintenance programs provide our many valued clients with long-term sustainability and operational support.

In 2008, Utility Service Co., Inc. was acquired by SUEZ—expanding both our capabilities and resources with additional global resources, advanced technologies, information systems, and strategic solutions necessary to address the current challenges facing U.S. water and wastewater utilities. Leveraging the extensive knowledge and lessons learned from both our parent and sister companies around the world, we are now able to offer even greater innovative solutions. As part of SUEZ's mission to address critical water resource challenges facing the planet, we deliver advanced service solutions to minimize capital and operational expenses, improve system operations and performance, and extend the useful life of utility assets to ultimately improve water quality.

GASB 34 COMPLIANCE

Our tank asset maintenance program is in full compliance with the Governmental Accounting Standards Board (GASB) 34 Asset Management System Modified Approach to valuing assets. We are experienced with this method and have provided this option to clients ever since the implementation of our full-service tank asset maintenance program. It includes specifying interior and exterior coating renovation cycles, regular condition assessment cycles, condition rankings of the assets, measurement scales, and summary reports of this information.

- *A sample GASB 34 Compliance letter can be provided by SUEZ upon request.*



COMPANY STRUCTURE

SUEZ within North America dates back to the founding of the Hackensack Water Company in 1869. Since, SUEZ has grown into one (1) of the United States' largest and most technologically advanced water service companies.

The respondent—**Utility Service Co., Inc. (Tax Identification No. 58-1920989)**—was initially formed in 1963. In 2008, we became a wholly-owned subsidiary of SUEZ North America Inc. Utility Service Co., Inc. delivers innovative and advanced service solutions to minimize capital and operational expenses, improve the system operations and performance, extend the useful life of the utility assets, and ultimately improve water quality.

Utility Service Co., Inc. and SUEZ Water Inc.—the Utility and Contract Services Divisions—are wholly-owned by SUEZ North America Inc. The three (3) major SUEZ companies operate across all 50 states—as well as Canada—with more than 3,260 qualified employees that are dedicated to environmental sustainability and smart, sustainable resource management.

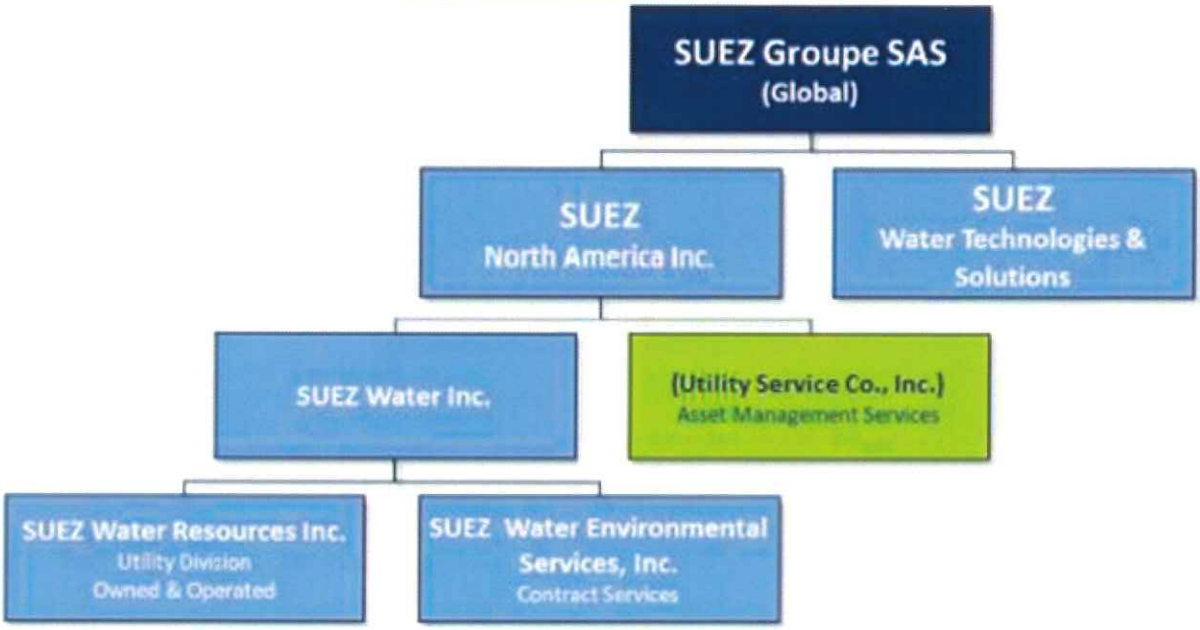
SUEZ North America Inc. is wholly-owned by SUEZ Groupe—headquartered in France. With over 90,000 dedicated water and wastewater professionals across five (5) continents, SUEZ Groupe is a world leader in smart, sustainable resource management. We provide water and waste management solutions that enable our clients to optimize their resource management and strengthen environmental and economic performances in line with regulatory standards.

The headquarters for Utility Service Co., Inc. is located at: **1230 Peachtree Street NE, Suite 1100, Atlanta, GA 30309.**

The following Stockholder Information table lists the names of stockholders who own ten percent (10%) or more of the shares.

STOCKHOLDER INFORMATION
SUEZ North America Inc. owns 100% of the shares of SUEZ Advanced Solutions, LLC.
SUEZ Advanced Solutions, LLC owns 100% of the shares of Utility Service Co., Inc.

SUEZ OWNERSHIP STRUCTURE



Financial Stability

With over 150 years of industry experience, a parent company with total assets worth $4.1 billion, and a consolidated revenue of $1.064 billion in 2017, we have the financial strength and stability—as well as an access to capital—that is required by the City of De Pere.

Also, SUEZ has never defaulted on a project—nor have we failed to complete a project.

- *The fully audited financial statements of SUEZ North America and its subsidiaries can be provided to the City of De Pere upon request.*
- *A reputable financial institution reference can also be provided upon request.*

SUEZ has successfully worked with thousands of water utilities on critical water infrastructure issues, providing cost-effective solutions to our clients in order solve countless water quality and compliance issues. We have the capability to address the need for overdue maintenance investment and all infrastructure renovations. Our creative programs and innovative pricing structures have allowed our clients to tackle significant water and wastewater infrastructure problems while minimizing the financial burden for both their customers and taxpayers.

SUEZ North America Facts & Figures

Utility Experience:	150+ Years
O&M Contract Experience:	50+ Years
Employees:	3,260+
Assets:	$4.1 Billion
Revenue:	$1.064 Billion
Population Served:	6.4 Million
O&M Contracts:	69
Regulated Utilities:	15
Industrial & Municipal Sites:	16,000
Global R&D Budget:	$142 Million

In 2018, SUEZ North America was deemed the number one (1) leading all-environmental firm according to a survey by the publication Engineering News Record based on revenue and including our operations in North America for water, wastewater, solid waste treatment services, water technologies, and innovative water solutions.

In 2017, SUEZ was recognized as the Smart Water Company of the Year at the Global Water Awards—the world's largest global event for the Water Industry—based on operating performance, innovative technology adoption, and the use of sustainable financial models:

- Over 3,000,000 smart water meters deployed globally
- Over 200,000 smart meters deployed across the largest network in the United States
- 1,000 square miles covered across 150 cities and towns
- Up to 38% reduction in water loss and 5% in demand
- Vast experience with all major meter, AMI manufacturers, and billing vendors

In addition, we were recognized with the Utility Industry Innovation in Water & Sewer Award by the National Association of Regulatory Utility Commissioners for our state-of-the-art deployment of our Smart Utility Network.

BENEFITS OF WORKING WITH SUEZ

- ONE (1) POINT OF CONTACT
- QUALIFIED SUB-CONTRACTORS & TECHNOLOGY PARTNERS
- FIXED PRICE BASED ON A PREDETERMINED SCOPE OF WORK
- NO CHANGE ORDERS ON THE AGREED UPON SCOPE OF WORK
- ASSESSMENT PLAN BASED ON OPERATIONAL NEEDS

From water tanks to network management, SUEZ provides integrated solutions built around your water system. Beyond our signature water tank asset maintenance programs, we offer maintenance programs for water meters, filtration systems, and concrete assets. The SUEZ asset maintenance programs restore aging infrastructure to full operability and extend the life of assets through the means of preventative maintenance and condition assessments.

SUEZ helps utilities address increasing regulations and operational costs by assuming the obligations of maintaining assets and providing a predictable annual cost. In addition to our asset maintenance programs, SUEZ offers services focused on improving water quality, such as: **Mixing Systems and Trihalomethane (THM) Removal Systems (TRS) to reduce Disinfection Byproduct (DBP) levels in the water distribution system**; Spray-in-Place Pipeline (SIPP) Relining and Rehabilitation to repair aging underground pipes with low costs and minimal water distribution system downtime; and our AQUADVANCED software that optimizes water system operations by providing a centralized view of distribution networks, service calls, and system performance in real time.

To ensure that our program will maintain both water quality and operational efficiencies, SUEZ will collaborate with City of De Pere operators and managers to execute the services provided under the agreed-upon scope of work. The success of our maintenance program is driven by collaboration—where the City of De Pere and SUEZ team together to maintain assets. Our comprehensive model allows the transfer of risk and accountability to SUEZ to successfully maintain the mixers with a strategy allowing the City of De Pere to plan and budget effectively.





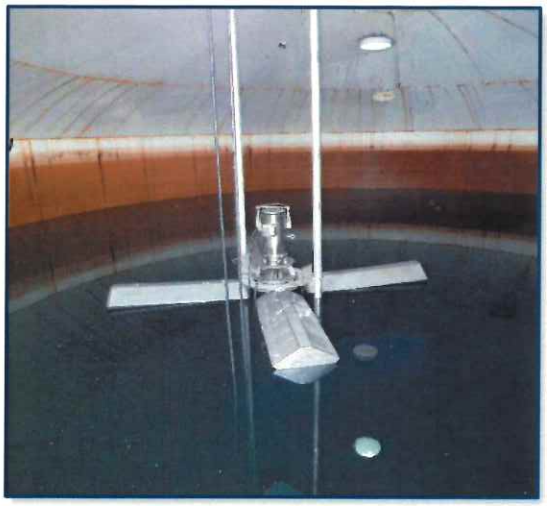
SUEZ Key Personnel, Service Capabilities, & Technological Resources

SUEZ—a **C-Corporation**—employs over 700 professionals dedicated to managing and maintaining water storage tanks. Our collaborative teams include highly qualified experts in asset management, project management, and technology development.

- *Resumes for SUEZ's Key Personnel Team Members can be found in the Appendix section*

Engineering

Under the leadership of **Mr. Jason G. Saylor, P.E.**—Director of Engineering—the extensively experienced engineering team serves as the technical resource for the company by providing engineering support for all areas of our asset management programs. This engineering staff possesses more than 30 years of combined experience with both the evaluation and maintenance of water distribution system assets and water treatment facilities. The engineering staff also provides project support through the development of any technical engineering documents that may be required for the delivery of projects—including the technical installation details, any required permitting for regulatory compliance, and project plans needed to implement the asset maintenance services.



- *Mr. Jason Saylor is a Licensed Professional Engineer in numerous states throughout the U.S.*

SUEZ Engineering Department	
Jason Saylor, P.E. BS Civil Engineering, Penn State University	Director of Engineering
Petar Kovacevic, E.I.T. BS Civil Engineering Technology, Southern Polytechnic State University	Project Engineer III (3)
Christie Houseman, P.E. BS & MS Environmental Engineering, Mercer University	Project Engineer II (2)

WATER QUALITY IN-HOUSE RESOURCES	
Jonathan Cato BS Materials Science Engineering, Georgia Institute of Technology (Georgia Tech)	Senior Vice President (LOBs, Operations, & Engineering)
David Forrester BS Civil Engineering, Georgia Tech	Vice President (Tanks & Water Quality)
Cortez Rankin BS Chemical Engineering (B.S.Ch.E), University of Tennessee – Chattanooga	Water Quality Product Manager (TRS/RCS)

EMPLOYEES

- Number of direct employees: 703
- Number of Professional Engineers on staff: Six (6)
- Number of Certified Welders on staff: 42
- Number of independent subcontractors: 96+ nationwide



INSPECTORS

- Number of NACE-Certified Inspectors on staff: 59
- Number of SSPC-Certified Inspectors on staff: 50
- Average years of experience for an inspector: 15 years
- Inspectors are NACE-certified, in-house employees

WASHOUT CREWS

- Number of washout crews: 30+
- Average number of people on a washout crew: Three (3)
- Average years of experience for a washout crew member: Nine (9) years
- Washout crew members are in-house employees

PAINTING CREWS

- Number of painting crews: 120+
- Average number of people on a painting crew: 4-5 (small jobs); 6-10 (large containment projects)
- Average years of experience for a painting crew member: Five (5) years
- Average years of experience for a foreman or subcontracting company owner: 15-20 years
- Painting crew members are both in-house employees and independent subcontractors

REPAIR/SERVICE CREWS

- Number of repair/service crews: 30+
- Average number of people on a repair/service crew: Minimum of three (3) at all times
- Average years of experience for a repair/service crew member: Ten (10) years
- Repair/service crew members are both in-house employees and independent subcontractors

Service Centers

SUEZ has 12 service centers strategically located throughout the United States to serve our many clients on a timely basis. The locations of these service centers include: Arkansas (1), California (2), Florida (1), Georgia (1), Illinois (1), Indiana (1), Kansas (1), Massachusetts (1), North Carolina (1), Ohio (1), and Texas (1). Our service center crews manage and maintain over 8,000 water distribution system assets for over 5,000 industrial and municipal clients nationwide. Our experienced teams include: 120+ paint crews, 30+ field service crews, 40+ certified welders, and other qualified support teams.



The primary service center supporting the City of De Pere is located in the Village of New Lenox, IL. This Maxcor, Inc. service center—wholly-owned by SUEZ—has been in operation for over 12 years. With six (6) in-house crews, our service center team ensures projects adhere to all performance standards, schedule, and budget. Responsible for the successful maintenance and operability of hundreds of water storage assets in the northern region of the United States, the team has extensive project experience and specialized knowledge of the characteristics and conditions associated with water storage assets, systems, and infrastructure in the State of Wisconsin. The service center is located at **900 Country Creek Drive, New Lenox, IL 60451** and can be reached via telephone at either **(815) 838-4347** or **(815) 401-9688**.

- **Mr. John Sullivan**—Service Center Manager (New Lenox, IL | Maxcor, Inc.)—is the principal in charge of managing the operations at this facility and has over 30 years of experience in the water tank and asset management industry. He possesses specialized knowledge of both water system infrastructure and conditions in the State of Wisconsin—as well as the northern region of the United States. His expertise and insight into evaluating project costs ensure the City of De Pere that all water system assets will be maintained and managed to the highest standard and in the most efficient and cost-effective manner possible.

MANAGEMENT TEAM

The SUEZ management team is committed to providing valuable services to our clients and improve the operability of water systems in the safest and most cost-effective manner. The main goal of the SUEZ management team is to provide full asset management solutions to our clients—from services provided by certified field personnel to one-on-one, individualized support and assistance meeting regulatory compliance. The team is also passionate about progressively building SUEZ with talented professionals that are committed to serving our many valued clients—ultimately setting the strategy that guides our business and delivers the high-quality results and innovation that is expected by all SUEZ clients. The SUEZ management team is also committed to supporting the long-term financial stability of our clients by: offering the ability to spread the cost of initial renovations over an extended period of time, assisting in budgetary planning efforts, and utilizing long-term contracts to control project costs. The SUEZ management team includes highly experienced individuals in both asset maintenance and management for the water and wastewater industry. The following individuals are experts in their respective fields:

- **Mr. Ed Faust**—Senior Vice President (North Region)—possesses over 30 years of experience in environmental operations, business development, and asset management—with an MBA from the University of Connecticut and a BS in Chemistry from New York State University.
- **Mr. Paul Schumi**—Director of Sales (Great Lakes Region)—possesses over 15 years of asset management and business development experience in the water and wastewater industries.
- **Mr. Mark Coose**—Director of Operations (North Region)—has extensive experience in asset management and water system operations. Mr. Coose works directly with service center managers and inspectors to plan and execute the renovation work and maintenance services under our asset maintenance program while simultaneously providing both his expertise and support directly to the clients.
- **Mr. Bryan Morrow**—Director of Quality (North Region)—is a NACE Level III (3) Certified Coatings Inspector (#9135) with more than 20 years of experience in the water, wastewater, and asset maintenance industry. He is responsible for the effective execution of the Quality Assurance and Quality Control (QA/QC) Program for the North Region of the United States.
- **Mr. Jonathan Cato**—Senior Vice President (Lines of Business, Operations, & Engineering)—possesses over 15 years of experience in water tank asset management and holds a degree in Materials Science Engineering from the Georgia Institute of Technology (Georgia Tech).
- **Mr. David Forrester**—Vice President (Tanks & Water Quality)—has over 17 years of experience in water tank asset management with a degree in Civil Engineering from Georgia Tech.
- **Mr. Cortez Rankin**—Water Quality Product Manager (TRS/RCS)—possesses over 17 years of experience in the water quality industry and is the product line manager in charge of SUEZ's THM removal processes. Mr. Rankin is experienced in the development of innovative solutions tailored to each client's needs and has overseen the deployment and validation of more than 70 THM removal systems across the country.
- **Ms. Kerri deFriess**—Customer Service Manager—possesses over 20 years of experience in the customer service industry and oversees all operations associated with the SUEZ Customer Account Specialist team.

Project Management

Project managers for the northern region of the United States operate under the oversight of their regional management team—as well as their respective line of business—to help control costs, keep projects on schedule, and communicate with our clients to execute project objectives.

- **Mr. Andrew J. Lenzie**—Service Center Project Manager (New Lenox, IL | Maxcor, Inc.)—has over five (5) years of experience and will serve as the Project Manager for the City of De Pere.

Water System Consultants

SUEZ's Water System Consultants are unmatched in their experience and knowledge in the potable water and asset management industry—as well as the regions they service. SUEZ Water System Consultants are local resources, and they reside in their respective territories to provide quick response times to our clients and specialize in the issues facing the communities they serve. Their approach centers on our clients and their environments—aiming to respond to their priorities for sustainable development and a high-quality water distribution system.



- **Mr. Paul Schumi**—Director of Sales (Great Lakes Region)—will also be serving as the Water System Consultant that is dedicated to the City of De Pere. He is readily available for project consultation, to answer questions, provide information about other services, and serve as a constant resource in all aspects of water systems, maintenance, and asset management.

Customer Account Specialists

Timely support is essential to the successful management of water distribution system assets. With over 50 years of combined experience working with our valued clients, our skilled team of Customer Account Specialists is dedicated to supporting both the municipal and industrial water and wastewater system clients. The SUEZ Customer Account Specialists provide all financial information based on each client's fiscal year to aid with the budget planning and serve as the primary point of contact for emergency repairs—as well as service requests outside of the regularly scheduled maintenance. Our Customer Account Specialists provide insurance information, inspection reports, service records, contract documents, and safety information—as well as all other documentation—to assist our clients with regulatory reporting and compliance.



- **Ms. Carolyn Griner**—Customer Account Specialist (North Region)—possesses over 25 years of customer service experience and will serve as the dedicated Customer Account Specialist for the City of De Pere. Her experience and expertise allow her to provide customized support and effective solutions. Ms. Griner can be reached at **(800) 942-0722**.

SUEZ CERTIFIED FIELD PERSONNEL

The SUEZ team of full-time, certified field personnel hold credentials from training, certifications, and practical experience gained from work within the industry. Certified field personnel are on-site throughout both the renovation and maintenance process; they will monitor, inspect, measure, document, and advise crews to ensure the work performed and completed meets the highest level of quality. Our teams also help keep project schedules and completion on-time and cost-effective.

- **Mr. Kurt Kwiatkowski**—NACE Level III (3) Certified Coatings Inspector (#57908)—has over 35 years of experience and will conduct any needed inspection services for the City of De Pere.

NATIONAL ASSOCIATION OF CORROSION ENGINEERS (NACE)

The National Association of Corrosion Engineers (NACE) is an organization serving over 35,000 members in 130 countries. NACE is globally recognized as one (1) of the premier authorities for corrosion control solutions, offering technical training and certification programs, conferences, industry standards, reports, publications, technical journals, government relations activities, etc. The NACE coating inspection courses set the standard for inspections within the protective coatings industry. Combining classroom study, discussion, and hands-on practice, NACE courses introduce specifiers, applicators, inspectors, blasters, manufacturers, owner's representatives, and technical salesmen to the basics of corrosion control, paint application and inspection, and project management in a way that ultimately results in cost savings. Many clients in the industry recognize and specify the NACE-Certified qualification because its comprehensive curriculum produces knowledgeable inspectors who have learned a skillset for fieldwork, as well as a solid coatings foundation that produces the high-quality standards, performance, and results expected from our valued clients.

- *For over 30 years, the NACE Coating Inspector Program has set the standard for inspections in the protective coatings industry—serving as the world's most recognized coating inspector certification program. SUEZ also has more NACE-Certified Inspectors than any other water, wastewater, or tank company in the United States.*

SOCIETY FOR PROTECTIVE COATINGS (SSPC)

The Society for Protective Coatings (SSPC) is the leading source of both information and training on surface preparation, coating selection, coating application, environmental regulations, and health and safety issues that affect the protective coatings industry. SSPC sets the industry standard and provides training and certification to professionals around the world who are focused on protecting global infrastructure from the devastating effects of corrosion. SSPC utilizes industry standards, technology reports, guides, and qualification procedures to ultimately ensure that the highest degree of quality, productivity, and safety are being provided while conducting any protective coating services.

The SUEZ team includes over 50 SSPC-Certified employees. To maintain this SSPC Certification, employees are required to take the refresher training on an annual basis. The refresher course covers all duties and responsibilities in regard to working with lead and other hazardous materials encountered in the industrial coatings work. The course also reviews all relevant Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) regulations.

- *Please refer to the field personnel tables—provided on the following two (2) pages—for a list of SUEZ's NACE-Certified Inspectors and SSPC-Certified Personnel.*

NACE-Certified Field Personnel

Inspector	Certification	Status	Inspector	Certification	Status
Carson Arnold	#77766	Level I (1)	Richard Longstreet	#71233	Level I (1)
Jimmy Asher	#47845	Level I (1)	Kenneth Lunetta	#3199	Level III (3)
Michael Bandza	#50648	Level I (1)	Dean Marantis	#25334	Level I (1)
Raymond Bates	#46375	Level II (2)	Bob Mattey	#51737	Level II (2)
Shane Bell	#27553	Level II (2)	Markos Mavrophilipos	#10324	Level III (3)
Robert Bowlin	#82263	Level I (1)	Chad Merithew	#8874	Level II (2)
Ian Brady	#296911	Level I (1)	David Merithew	#3201	Level I (1)
Doug Brandt	#17697	Level II (2)	Angelo Missos	#25335	Level III (3)
Bob Budney	#12385	Level I (1)	Bryan Morrow	#9135	Level III (3)
Dan Burgess	#27552	Level II (2)	Richard Pena	#62116	Level III (3)
Brian Bymaster	#45506	Level II (2)	Clint Pritchard	#17409	Level III (3)
Johnny Clark	#47947	Level I (1)	Brian Radde	#50484	Level II (2)
Billy Cobb	#27243	Level I (1)	Nick Rapagnani	#82653	Level I (1)
Mike Cooke	#22321	Level I (1)	Joshua Ray	#69374	Level II (2)
Justin Corder	#61740	Level I (1)	Vince Sanchez	#9654195	Level I (1)
Erin DeLee	#74425	Level I (1)	Jeff Simpkins	#24842	Level III (3)
Jeffery Dobbins	#9654192	Level I (1)	Andrew Smith	#27253	Level III (3)
Garrett Dupree	#52214	Level I (1)	Rick Smith	#74420	Level I (1)
Tony Garner	#17359	Level II (2)	Thomas Stechmann	#80892	Level I (1)
Geoffrey Hall	#10144	Level III (3)	Justin Styslinger	#66003	Level I (1)
Kevin Hamilton	#1209100	Level I (1)	John Sullivan	#1275	Level I (1)
Bill Hammond	#7839	Level III (3)	Joseph Taylor	#74422	Level I (1)
Craig Henderson	#27245	Level III (3)	Jason Tamez	#69502	Level I (1)
Darren Jackson	#5084	Level III (3)	Travaris Veal	#690896	Level I (1)
Brock Kells	#74426	Level I (1)	Rob Weaver	#17372	Level III (3)
Kurt Kwiatkowski	#57908	Level III (3)	Cliff Wheeler	#63367	Level I (1)
Tony Kyne	#27559	Level II (2)	Brad Winkeler	#27255	Level III (3)
Brandon Lamb	#7016739	Level I (1)	Michael Winkeler	#27565	Level II (2)
Dustin Lawson	#51746	Level III (3)	Randy Wyatt	#36620	Level I (1)
Brock Kells	#74426	Level I (1)	—	—	—

SSPC-CERTIFIED FIELD PERSONNEL
(C-3 & C-5 SUPERVISOR/COMPETENT PERSON TRAINING FOR DELEADING OF INDUSTRIAL STRUCTURES)

INSPECTOR	INSPECTOR
Jimmy Asher	Michael May
James Bigley	Martin Mehley
Ian Brady	Chad Merithew
Dan Burgess	David Merithew
Brian Bymaster	Bryan Morrow
Johnny Clark	Christopher Patterson
John Crook	Richard Pena
Thomas Daley	Clint Pritchard
Daniel Demyan	Brian Radde
Elias Doropolous	Joshua Ray
Timothy Ely	Ralph Santiago
Steve French	Daniel Sepesy
David Glazier	David Sepesy
Geoffrey Hall	Richard Sides
Kevin Hamilton	Jeff Simpkins
Craig Henderson	Richard Smith
Darren Jackson	Rick Smith
Doug Jackson	Justin Styslinger
Christopher Kelley	Vincent Szewczyk
Louis Kindinis	David Taylor
Kurt Kwiatkowski	George Trikilis
Benjamin Law	James Tsikouris
Dustin Lehman	Robert Weaver
Steven Lewis	Brad Winkeler
Ismael Martinez	George Xenikis

Insurance Requirements

Both the magnitude and scope of major renovation projects—as well as the number of crews and staff—require a true necessity for considerable insurance resources. SUEZ utilizes one (1) of the most reputable names in the insurance industry—**Marsh USA Inc.**—which has been in business for nearly 100 years. SUEZ's insurance coverage policy limits include:

- **General Liability =** $2M per occurrence
- **General Aggregate =** $3M per occurrence
- **Auto Liability =** $2M each accident
- **Professional Liability =** $2M per claim
- **Pollution Liability =** $5M per claim
- **Workers' Compensation =** statutory limit
  - *Higher-level insurance policy limits can be provided upon request.*
  - *Our Certificate of Insurance can be found in the Appendix section.*

Asset Performance Management

We conduct asset performance management (APM) through our cloud-based solution—InSight—which combines advanced data and analytics to help water treatment professionals increase asset reliability, prevent unplanned downtime, extend asset life, and ultimately ensure that water assets operate at their optimal performance. By aggregating and analyzing the thousands of complex data points from throughout an operation, InSight provides users with greater visibility and transparency at a plant level—or even across the entire enterprise.

Our Industrial Internet of Things (IIoT) solution—InSight—can help through the following features:

- Turn data from multiple sources into meaningful information and visualize current conditions
- Diagnose problems and discover opportunities for improvement
- Alert your team to events or trends before they threaten asset production or integrity
- Report on key performance indicators and their impact on business objectives

Asset Management System

We will work with the City of De Pere to provide reports and documentation—as well as any other information—with ease and efficiency. SUEZ utilizes the Oracle database software to manage our professional asset maintenance programs, resources, and records.

The SUEZ NACE-certified team of inspectors uses ProntoForms when completing our asset condition assessment reports—ultimately allowing them to transmit data directly to SUEZ servers and provide rapid and efficient responses the SUEZ operations team. If any deficiencies exist with the asset upon conducting the condition assessment, we can both capture and react to them via ProntoForms.



Technological Resources

We use a variety of technological, in-house resources—computer capabilities, software applications, modeling programs, etc.—to capture, analyze, and deliver information across secure platforms with both ease and efficiency. SUEZ's many technological capabilities are utilized through some of the following resources:

Oracle

As previously mentioned, we utilize the Oracle Database software to manage our professional asset maintenance programs, resources, and records. The Oracle Database application is a multi-model database-management system used for running online transaction processing, data warehousing, and mixed database workloads. Oracle is the first database designed for enterprise grid computing—the most flexible and cost-effective way to manage information and applications.

Salesforce

SUEZ utilizes Salesforce.com, Inc. as a cloud-based software application—used to provide customer-relationship management services. It includes a complementary suite of enterprise applications focused on things like customer service, marketing automation, data analytics, and application development. We also use this software to track opportunities while providing real-time data on all existing client accounts with up-to-date information.

Geopointe

We also utilize Geopointe within Salesforce to gain analytical insights by applying geography and location-based data to our clients and our business processes.

Microsoft Office 365

We manage our information and collaborate across platforms using Microsoft Office 365—including OneDrive and SharePoint. Office365 is also utilized to both track and house detailed information, while also serving as a repository for all existing opportunities.

SAP Concur (Concur Solutions)

We use Concur as an expense, management, travel, and invoice software solution. Concur is one (1) system that provides a single way to manage company spending from end-to-end, improve compliance, gain greater visibility into account transactions, and ultimately simplify the overall process.

VISIO

VISIO enables users to monitor water services in real-time—providing greater reactivity for network maintenance work. It provides users with more efficient facilities and networks—including an improved energy efficiency—and better sharing of information and data between the different stakeholders.

AutoCAD

Our engineering department utilizes AutoCAD (Computer-Aided Design) software to create precise, two-dimensional (2D) installation and repair drawings. The AutoCAD software also allows the engineering department to provide accurate equipment layouts for implementation within the field.

ProntoForms

As an asset management system application, the SUEZ certified team of in-house inspectors uses ProntoForms when conducting condition assessment reports—allowing them to easily transmit data directly to the SUEZ servers and provide rapid and efficient responses to SUEZ operations teams. If any deficiencies exist with the asset, we have the ability to both capture and react to the existent asset deficiencies via ProntoForms.

ORACLE

Oracle helps us see and monitor our data in new, advanced ways—while also equipping us with all of the necessary tools to discover actionable insights and unlock endless possibilities through the use of their multi-model database-management system. The Oracle Cloud Infrastructure database software offers autonomous operations, integrated security, and enterprise-class services—as well as elastic, serverless database, platform, and infrastructure as-a-service (IaaS) services. Oracle allows us to run crucial enterprise applications in both public regions and our client data centers with the high performance, scale, and availability—while ultimately lowering our overall costs.

Oracle was built on more than a decade of innovation and offers a complete application portfolio for the modern digital business. Oracle's cloud platform provides a common data model, incorporates the latest technology, and delivers a regular and frequent cadence of new functionality—ultimately helping clients modernize and innovate at the heart of their business.

More than 30,000 organizations—of all sizes—rely on Oracle Cloud Applications to run their most important front- and back-office business operations. Each suite of applications is designed to work together to help eliminate any infrastructure technology (IT) complexity and maximize the benefits of data. Built and run on Oracle Cloud Infrastructure, the advanced software applications deliver the scalability, security, and performance needed for the current business demands.

Through the Oracle Database, SUEZ has been able to build an intelligent enterprise using prebuilt artificial intelligence (AI), data-driven cloud applications, and a rather comprehensive portfolio of infrastructure and cloud platform services. Oracle's AI offering helps SUEZ automate operations, drive innovation, and make smarter decisions securely. Oracle's Internet of Things (IoT) Intelligent Applications Cloud provides us with more visibility, insights, and efficiencies by capturing the sensor data from connected devices utilizing smart manufacturing, connected assets, connected logistics, workplace safety, and connected customer experience. Furthermore, when the pace of a business requires secure collaboration with multiple parties, a solution is needed in order to bring everyone together—in real time—to share data. Blockchain provides a collaborative framework for sharing reliable data, and Oracle offers SUEZ easy ways to adopt blockchain technology—including a cloud service, an on-premises edition, and a Software-as-a-Service (SaaS) application for supply chain.

SALESFORCE

Salesforce is the world's leading customer relationship management (CRM) platform. It allows SUEZ's marketing, sales, commerce, service, and IT teams to work as one (1)—from anywhere—in order to keep our clients happy with high-quality, data-driven results. Salesforce unites our teams from anywhere with Customer 360—one (1) integrated CRM platform that powers our entire suite of connected apps. With Customer 360, we can focus our employees on what is truly important to our many clients—including stabilizing business practices, maintaining organized client data, consolidating asset information, and delivering exceptional client experiences.

GEOPOINTE

As a native Salesforce software application, Geopointe is exclusive to users utilizing Salesforce as their CRM. Through Geopointe, SUEZ has the ability to simplify the Salesforce territory management by: creating territories using Geopointe's shape library, easily manipulating shapes and territories with the multi-shape editor, automating lead distribution with automated assignments, and making territory changes with mass updates. Through their geographic searching and analysis capabilities, Geopointe can locate any Salesforce data—from anywhere in the world. The searches can range from a view of all client accounts—clustered by concentrations—to a small neighborhood search for local leads and prospects.

SUEZ also utilizes Geopointe to visually build territories with the Geopointe Shape Library—which includes a variety of sub-shapes based on states, zip codes, metro areas, etc.—then use geographic data insight to fine-tune, manage, and ultimately streamline territory management and design. We can then align the territories and develop a plan to allocate our resources through actionable data. Actions like exporting, adding to a campaign, and creating leads from the map are built-in—making it is easy for us to launch custom processes, integrate with other applications, and more. Additional Geopointe solutions include trip planning, route optimization, live vehicle and asset tracking, lead routing, calendar-based scheduling, campaign targeting, etc.

MICROSOFT OFFICE 365

Microsoft Office 365 is a professional suite of cloud-based productivity and collaboration applications that integrates all of Microsoft's existing online applications into a cloud service—adding Skype for Business and Microsoft Teams as the primary applications for communication and collaboration. Enterprises of all sizes are finding Microsoft Office 365 collaboration to be increasingly popular due to its ability to drive productivity, communication, organization, return on investment (ROI), and—ultimately—overall corporate success.

SUEZ utilizes Microsoft Office 365 to ultimately achieve more with innovative Microsoft Office applications, intelligent cloud services, and world-class security. As the leader in cloud-based productivity, Microsoft Office 365 has enabled us to discover the benefits of an integrated cloud platform that offers industry-leading productivity applications. These include—but are not limited to—the following:

- Microsoft Excel
- Microsoft OneDrive
- Microsoft OneNote
- Microsoft Outlook
- Microsoft PowerPoint
- Microsoft SharePoint
- Microsoft Teams
- Microsoft Word

SAP CONCUR (CONCUR SOLUTIONS)

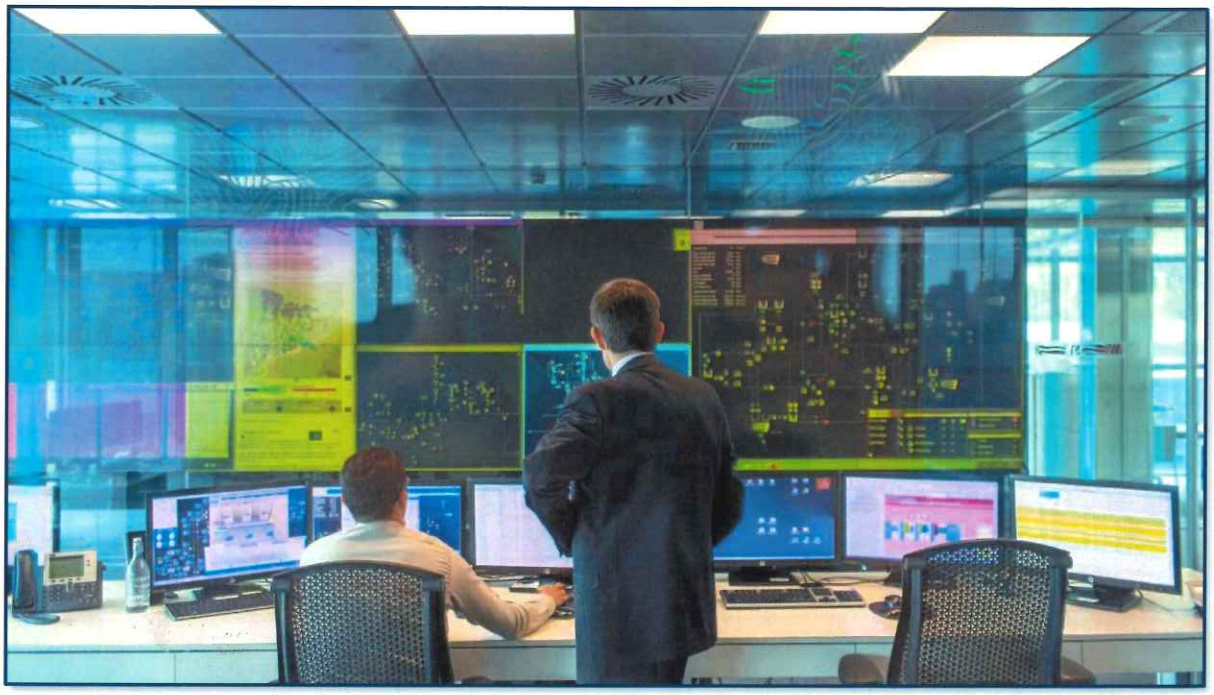
SAP Concur is committed to reinventing travel, expense, and invoice management by utilizing tools that simplify everyday processes and—in turn—create better overall experiences for companies. SAP Concur continuously develops new ways to automate and integrate processes that use emerging technology. As part of the larger SAP family—and through their experience, expertise, and partnerships—SAP Concur Solutions has helped SUEZ make traveling, expensing, and invoicing both efficient and effortless. When utilizing SAP Concur to automate and integrate expense management, SUEZ has been able to capture spending from multiple sources, make intelligent business decisions based on accurate data, and simplify the process for those involved.

SAP Concur

VISIO

VISIO enables users to monitor water services in real time and brings greater reactivity for network maintenance work. It provides users with more efficient facilities and networks—including improved energy efficiency—and better sharing of information and data between the different stakeholders.

The SUEZ VISIO Center is staffed with experienced, dedicated water experts who monitor our clients' water distribution systems to identify any possible issues. We have also integrated a powerful asset management and work order management system with the clients' water distribution systems in order to allow us to issue work orders to our crews and manage the critical water assets over the life of the system. The SUEZ VISIO Center also helps our staff monitor all alarms and allows us to analyze potential problems as they arise to provide actionable intelligence, reporting, and ongoing support to our many valued clients.



AUTOCAD

AutoCAD is a commercial computer-aided design (CAD) and drafting software application primarily used to create precise two-dimensional (2D) and three-dimensional (3D) designs. The software application allows users to draft, annotate, and design 2D geometry and 3D models with solids, surfaces, and mesh objects. In addition, users can customize and automate tasks—such as comparing the drawings, adding blocks, and creating schedules. The AutoCAD software application is utilized within the industry by architects, engineers, project managers, city planners, construction professionals, and graphic designers—as well as other industry professionals. AutoCAD also includes industry-specific features and intelligent objects for electrical design, architecture, mechanical engineering, and more.

AutoCAD is heavily utilized within our engineering department to create precise, 2D installation and repair drawings—as well as accurate equipment layouts for implementation within the field. With AutoCAD, we also have the following capabilities:

- Automate floor plans, sections, and elevations
- Draw piping, ducting, and circuiting quickly with parts libraries
- Auto-generate annotations, layers, schedules, lists, and tables
- Use a rules-driven workflow to accurately enforce industry standards

Lastly, we are able to take advantage of seamless workflows by accessing AutoCAD on virtually any device. We can view, edit, annotate, and create drawings on the go using the AutoCAD mobile app or from any web browser using the AutoCAD web application.

PRONTOFORMS

The ProntoForms software provides a low-code development platform to its users in order to build applications for enterprise field service management. The application digitizes paperwork to empower workers within the field with the ability to complete complex forms on mobile devices, collect rich data, and send any form data directly to the management personnel, back office systems, and analytical tool applications.

The ProntoForms mobile solution makes it easy for all SUEZ workers to collect data on any mobile device, access company data in the field, and automatically share the results with cloud services—allowing us to track, analyze, and constantly improve our internal processes. For asset management, our inspection team uses ProntoForms when conducting condition assessments—allowing them to transmit data directly to SUEZ servers and provide rapid and efficient responses to our operations teams. If any deficiencies exist with an asset, we can capture and react to them via ProntoForms.

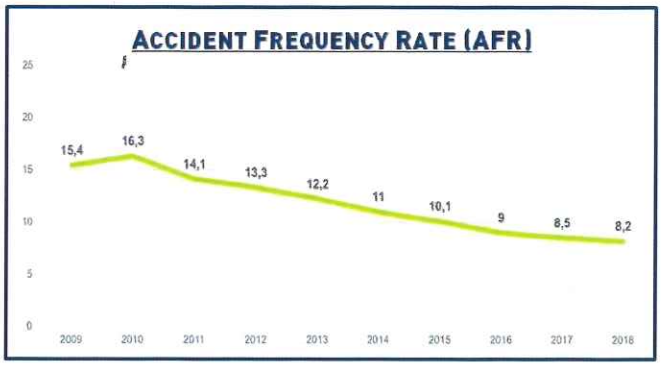


SAFETY, HEALTH, & QUALITY ASSURANCE

Workplace safety is a top priority for SUEZ, and we are committed to protecting all of our employees, clients, and contractors from danger or harm. Safety metrics are one (1) of the main ways we measure our success as a company. We continue to enhance our safety processes—as well as training—and we take action every single day to protect the lives and health of our employees, subcontractors, clients, and the populations among which we work. We aim to be a leader in this area and deploy ambitious action plans to fulfil this goal.

For many years, SUEZ has been committed to protecting the health and safety of all its employees and subcontractors, as well as the clients and populations among which we work. The action plans deployed on all SUEZ sites have enabled a continuous reduction of the accident frequency rate—50% reduction in ten (10) years—and a significant decrease in the overall severity of the accident.

➢ *Please refer to the table on the right*



SUEZ shares this ambition for a strong health and safety culture with all of our suppliers, clients, and subcontractors—beyond our own activities. As a member of the Institute for an Industrial Safety Culture (ICSI), SUEZ participates in work-groups and help to develop tools for other companies and public authorities that share our ambition to improve the overall health and safety culture.

To create an integrated health and safety culture and attain our ultimate goal of "Zero (0) Serious and Fatal Accidents", we have initiated—and continue to deploy—a Health and Safety Policy that is based on four (4) areas, including:

1. Control of Major Risks
2. Committed Managers for a Proactive Health & Safety Culture
3. Develop a Fair/Participative Health & Safety Culture
4. Training to Develop Health & Safety Behavior

1. CONTROL OF MAJOR RISKS

Our activities expose us to a number of risks that must be controlled in order to conduct our work in a safe, effective manner. In order to do so, SUEZ has deployed a prevention plan:

- The ten (10) **"life-saving rules"** apply to all of our activities. All SUEZ employees that may be exposed to major risks are regularly trained in these ten (10) rules that—when properly applied—can save lives. This goal is to develop individual and collective awareness of the largest risks we face—including those involving both our subcontractors and clients—to change behavior in order to work safely and prevent serious or fatal accidents.
- **Multi-year actions** are implemented to control the major risks of our activities. These are based on the three (3) pillars of integrated health and safety culture—technical aspects, management system, and human/organizational factors)—as well as the implementation of advanced, innovative solutions.
- **Detailed risk analyses** are carried out regularly for all of our service activities. Operational risk control is assured, and additional controls can be deployed—if necessary. Regular audits enable us to manage and control our major risks.



We encourage internal or external innovations that can improve work conditions and have a positive impact on health and safety for everyone. Experience feedback is shared via the Innovation Trophies event and during good practice exchanges between entities. Detailed event analyses are also shared.

2. COMMITTED MANAGERS FOR A PROACTIVE HEALTH & SAFETY CULTURE

Our managers are at the heart of the SUEZ Health & Safety culture:

- They collaborate with the teams in the field to deploy technical, organizational, and human improvement actions.
- They make sure that the working environments are both healthy and safe.
- They regularly hold team meetings to allow all employees to contribute to the improvement actions and commit to safe conduct to improve health and safety for everyone.
- They conduct Managerial Safety Inspections of work situations and promote good conduct.
- They ensure regular monitoring of the action plans related to reported events and focus on those that could potentially be very serious.

3. DEVELOP A FAIR/PARTICIPATIVE HEALTH & SAFETY CULTURE

With the participation of each and every employee, we can prevent accidents and protect health of everyone. With this in mind, SUEZ launched "Fair Culture" in 2014, an initiative aimed at creating a climate of trust within the teams, thus encouraging more transparency and sharing to strengthen risk prevention. Fair Culture at SUEZ is based on three (3) pillars:



What does this mean in regard to health and safety practices?

- Good practices and good conduct are promoted so that each and every person is aware of what is expected and encouraged to do it.
- All hazardous situations—notably those that could potentially be very serious—are reported, analyzed, and shared within the group to enable the implementation of risk control measures to ultimately prevent re-occurrence.
- Errors are analyzed and treated as improvement opportunities to help understand the factors that resulted in a hazardous situation and for future prevention.
- Discipline related to non-compliance with rules is proportional to the degree of individual and collective responsibility and apply to everybody.

4. TRAINING TO DEVELOP HEALTH & SAFETY BEHAVIOR

SUEZ has developed a customized Health & Safety Training Program at the SUEZ Academy:

- All SUEZ managers benefit from an initial two (2)-day structuring training course—which serves as the foundation of the SUEZ Shared Health & Safety Culture. Regular refresher courses are also organized in the form of digital content or face-to-face training.
- The SUEZ Academy also offers on-line courses on human and organizational factors—designed in partnership with the ICSI Safety Academy—for SUEZ managers and prevention agents.
- The Health & Safety Staff receives specific expertise training in order to continuously develop its skills. In addition, prevention agents are trained in influential leadership practices to develop an efficient partnership with the operational management in order to build a strong health and safety culture with employees in the field.
- SUEZ has developed virtual-reality modules on the major risks of work activities. In a realistic virtual environment, employees are confronted with dangerous situations every day in regard to total safety. The virtual simulation of their working environment gives a better understanding of the required actions and the appropriate responses to avoid harmful accidents in the field.

SUEZ Safe Work Planning

SUEZ utilizes formal hazard identification and analysis system—Safe Work Plans and Safe Work Planning Processes—that engages all employees in systematically identifying routine and non-routine health and safety hazards. This process evaluates and prioritizes the potential risks of each task and provides recommendations on the means, methods, sequences, and controls required to prevent—and ultimately eliminate—any safety hazards. In order for this process to be effective, the direct participation of all SUEZ supervisors and employees is required.

During this process, a SUEZ Supervisor—along with all of the employees associated with the task—are responsible for the following actions:

1. Identifying task hazards
2. Determining the level of risk through a quantitative assessment process
3. Identifying hazard controls and performing a pre-job check
4. Conducting a post-task debrief to ensure all safety tasks were performed in accordance with the intent of the SUEZ Safe Work Plan

This process utilizes a continuous improvement process to identify hazards in both routine and non-routine tasks and create a control program to minimize the risk of incidents.

Personal Protective Equipment

Prior to the commencement of work, SUEZ conducts a Personal Protective Equipment (PPE) Hazard Assessment. This Hazard Assessment is performed for all routine tasks, as well as any expected non-routine tasks; it identifies potential hazards associated with these tasks and the required selection of the proper PPE. The major categories of PPE that appear on the PPE Hazard Assessment include the head, hands, feet, face, eyes, ears, and body, as well as respiratory.



Additionally, the worksite may be surveyed by an Industrial Hygienist in order to further delineate areas of potential exposure to noise, chemicals, dust, disturbed asbestos, and nuisance odors, if applicable. Survey results will be discussed with the staff to help support additional administrative and engineering controls required to further protect employees from potential occupational hazard exposure.

The types of PPE available to employees include standard SUEZ work uniforms, a variety of hard hats, safety glasses with side shields, face shields, gloves, safety footwear, full body harnesses, personal flotation devices, goggles, high visibility vests, hearing protection, and coveralls. SUEZ employees must always wear PPE when conducting any maintenance work or related services.



ENVIRONMENTAL HEALTH & SAFETY TRAINING

SUEZ manages an Environmental Health and Safety (EHS) Training Program with a separate, distinct plan that addresses the methods SUEZ will utilize to:

- Assess employee training needs
- Evaluate and decide upon the most effective training methods
- Schedule and host training
- Maintain training records

Training is mandatory for all field personnel, sales personnel, and management personnel. This formal, ongoing, and employee-specific EHS Training covers numerous topics, including:

- Lockout/Tagout
- Hazard Communication
- Confined Spaces
- Electrical Safety
- Chemical Spill Response
- Defensive Driving

SUEZ will also utilize a variety of other avenues to make sure safety is at the forefront of all employee practices—at all times—including:

1. **Daily Safe Work Planning Sessions:** As described earlier in this section, Safe Work Planning takes place with Supervisors and includes discussions on the task hazards and controls that are necessary to prevent injuries.

2. **Weekly Staff Tailgate Training:** SUEZ provides a 52-week Safety Tailgate Manual of pre-printed training materials that are utilized each week in smaller departments and shift meetings. The training topics within this Safety Tailgate Manual include, but are not limited to:
   - Ladder Safety
   - Chemical Safety
   - Tool Safety
   - Lockout
   - Tagout
   - Machine Guarding
   - Safety Data Sheets (SDS)
   - Personal Protective Equipment (PPE)
   - Slips, Trips, and Falls
   - Proper Lifting

3. **New Employee Orientation & Training:** This type of training is offered throughout an employee's first 90 days of employment with SUEZ and prior to the new employee commencing any work. Particular emphasis for new employees will be placed on various awareness topics related to the general work environment and the specific tasks that will be assigned to them. These topics include the full awareness of:
   - Chemical Hazards
   - Confined Spaces
   - Lockout
   - Tagout
   - Hazard Assessment
   - Personal Protective Equipment (PPE)
   - Incident Reporting
   - Safe Work Planning

4. **Injury Alerts & Shared Lessons Learned:** Weekly—or as needed—employees will routinely receive injury alerts prompted by accidents or near-misses in order to immediately create an awareness amongst all personnel and avoid any future instances of accidents. These lesson-learned alerts are reviewed by SUEZ management—as well as project teams—with an eye for any similarities and local prevention strategies.

ADDITIONAL SAFETY TRAINING

We work in rather dangerous environments and recognize that safety is critical to both the success and well-being of SUEZ employees. At SUEZ, safety serves as the management team's top priority.

- **Mr. Robert Weaver**—Director of Environmental Health & Safety (EH&S)—has over 15 years of experience and oversees all aspects of the SUEZ Environmental Health and Safety Program.

When necessary, SUEZ can engage **The Lovelace Group** for any project consulting—as well as any assistance in the annual implementation of the SUEZ comprehensive safety training program. It is a SUEZ policy to protect our employees and clients with safe work practices—while also managing all materials in a safe, effective, and orderly manner. Any and all SUEZ employees that are climbing and working on water storage tank assets are required to both attend our 40-hour annual training program and pass thorough examinations on the following topics:

- Confined Space
- Working Over Water
- Radio Frequency
- Electrical Safety
- Toxic Health Hazards
- Metal Health Hazards
- Hazard Communication
- Respiratory Protection
- Fire Protection
- Flammable Liquids
- Noise Protection
- Fall Protection
- Lead Exposure
- Decontamination
- Equipment Safety
- Vehicle Safety
- First Aid Training
- CPR Techniques

SUEZ SAFETY & HEALTH PROGRAM

The *SUEZ Safety & Health Program* is a 300+ page printed document. It is SUEZ's policy to protect its employees and clients with safe work practices and to manage all work in a safe, orderly, and effective manner. SUEZ adheres to all OSHA confined space requirements. Any SUEZ employees working in a water storage tank—defined as a confined space by OSHA—are fully trained with these procedures and abide by all regulations. We also adhere to all OSHA confined space protocols and requirements pertaining to monitoring the internal atmosphere. Prior to a SUEZ crew member entering a confined space, the confined space's internal atmosphere is thoroughly tested by using a calibrated direct-reading instrument that tests for oxygen content, flammable gasses and vapors, and potential toxic contaminants within the air—in that specific order. No hazardous atmosphere is permitted in a space when an employee is inside that space. All SUEZ crews also follow continuous forced air ventilation procedures—constantly monitoring atmospheres within any confined spaces throughout the course of work.



A full copy of the formal SUEZ Safety & Health Program is included on a USB flash drive with this submission.

QUALITY ASSURANCE

All work, surface preparations, and coatings applied are completed in accordance with:

- Manufacturer's Recommendations
- Occupational Safety & Health Administration (OSHA) Regulations
- American Water Works Association (AWWA) D100 & D102 Specifications
- National Association of Corrosion Engineers (NACE) Standards
- Society for Protective Coatings (SSPC) Standards
- National Sanitation Foundation (NSF) Standard 61 Requirements
- American National Standards Institute (ANSI) Standard 61 Requirements

All work will be completed in adherence with all federal and state OSHA, AWWA, NACE, SSPC, NSF, and ANSI standards—as well as all State of Wisconsin rules and regulations pertaining to potable water storage tanks. We also provide ongoing support and direction to meet these ever-changing environmental regulations.

ISO 9001:2015 CERTIFICATION

Additionally, we are very proud to announce that we were awarded the ISO 9001:2015 Certification from Bureau Veritas. This certificate affirms that our operation and quality management systems adhere to the requirements as set forth by the International Organization for Standardization (ISO).

The ISO 9001:2015 Certification validates that we take a systematic approach to managing operational processes and activities in order to consistently satisfy our clients' quality expectations—as well as all contractual requirements for the rehabilitation and maintenance services that we provide.

Many organizations will get certified to this higher standard in order to demonstrate their ability to consistently provide products and services that meet client, statutory, and regulatory requirements. Implementing this type of Quality Management System (QMS) assists organizations in consistently meeting client requirements, enhancing client satisfaction, and meeting business objectives—while also addressing risks and opportunities. The ISO 9001:2015 QMS standard is based on a variety of quality management principles, including: Client Focus, Leadership, the Engagement of People, Process Approach, Improvement, Evidence-based Decision Making, and Relationship Management.

ISO 9001:2015 Certification is granted by accredited certification bodies—or registrars—that will audit an organization at planned intervals to confirm conformance to the ISO 9001:2015 standard. This international standard specifies a collection of necessary requirements for an ISO 9001:2015 Certified QMS—which are contained within seven (7) clauses, including:

1. Context of the Organization
2. Leadership
3. Planning
4. Support
5. Operation
6. Performance Evaluation
7. Improvement



Please find a copy of our ISO 9001:2015 Certification in the Appendix section

Partnership for Safe Drinking Water

The Partnership for Safe Drinking Water is a voluntary effort between six (6) different drinking water organizations—as well as more than 300 water utilities. The goal of the Partnership is to provide a new measure of public health protection to millions by encouraging utilities to voluntarily improve performance beyond current regulatory requirements. These preventative measures are based around optimizing treatment plant performance and distribution system operation. The results include the production and delivery of superior quality water to all utility clients.

The Partnership for Safe Drinking Water is comprised of an unprecedented alliance of six (6) of the most prestigious drinking water organizations:

1. American Water Works Association (AWWA)
2. Association of Metropolitan Water Agencies (AMWA)
3. Association of State Drinking Water Administrators (ASDWA)
4. National Association of Water Companies (NAWC)
5. United States Environmental Protection Agency (USEPA)
6. Water Research Foundation (WRF)

Regulatory requirements for surface water filtration plants and drinking water distribution systems are becoming increasingly stringent. Accordingly, the Partnership for Safe Drinking Water program provides operators, field staff, managers, and administrators with tools to assess the performance of treatment plants and distribution systems and develop plans to improve performance even beyond the proposed regulatory levels.

There are four (4) phases to the Partnership program:

1. Phase I: Commitment
2. Phase II: Baseline Data Collection
3. Phase III: Self-Assessment
4. Phase IV: Optimized System (Optional)

Participation in the Partnership for Safe Drinking Water program demonstrates utility commitment to water quality and public health protection. Progress through the program's four (4) phases earns awards which can be highlighted to demonstrate utility accomplishments.

As a certified **AWWA Member (#1973)**, SUEZ is committed to maintaining the AWWA performance standards associated with the Partnership for Safe Drinking Water. As a member, SUEZ also has full access to best practices, alerts, and advisories—as well as other critical information to support the efforts of the City of De Pere to meet Partnership for Safe Drinking Water goals and objectives.

Additionally, our parent company—SUEZ Groupe—has invested over $80 million in both research and innovation to deliver the most innovative, sustainable, and effective water quality solutions to our clients on a continual basis. Our goal is to assist our clients in improving their water systems, assets, and the well-being of their communities. Our team works to provide the City of De Pere with all reporting and documentation associated with water storage tank maintenance to support them in their compliance efforts.

CORONAVIRUS DISEASE 2019 (COVID-19) RESPONSE

We are committed to supporting our clients and their projects during the COVID-19 outbreak. We are working diligently to provide a safe work environment for SUEZ employees and are complying with federal, state, and local laws, regulations, ordinances, and executive orders while meeting the demands of our valued clients. Pursuant to guidance issued by the Cybersecurity and Infrastructure Sector Agency (CISA) of the United States Department of Homeland Security (DHS), the water sector—which includes water distribution systems (water storage tanks, reservoirs, and wells)—is designated as a critical infrastructure sector that provides essential services to the public. In addition, water utility systems are designated as critical infrastructure under federal law (42 U.S. Code § 5195c). Taking these sector designations into account, we are moving forward with our projects for the renovation, maintenance, and/or repair of critical water infrastructure because our work is essential to ensuring that our clients continue providing water utility services to their customers and local communities.

With the fluid situation surrounding COVID-19 and government efforts to slow the spread, we have modified our Business Continuity Plan to include a section on COVID-19. In addition to the COVID-19 section for corporate operations, each region also prepared a specific Business Continuity Plan for its business operations during the pandemic. The Business Continuity Plan, the COVID-19 section for corporate operations, and the region-specific plans are all CONFIDENTIAL.

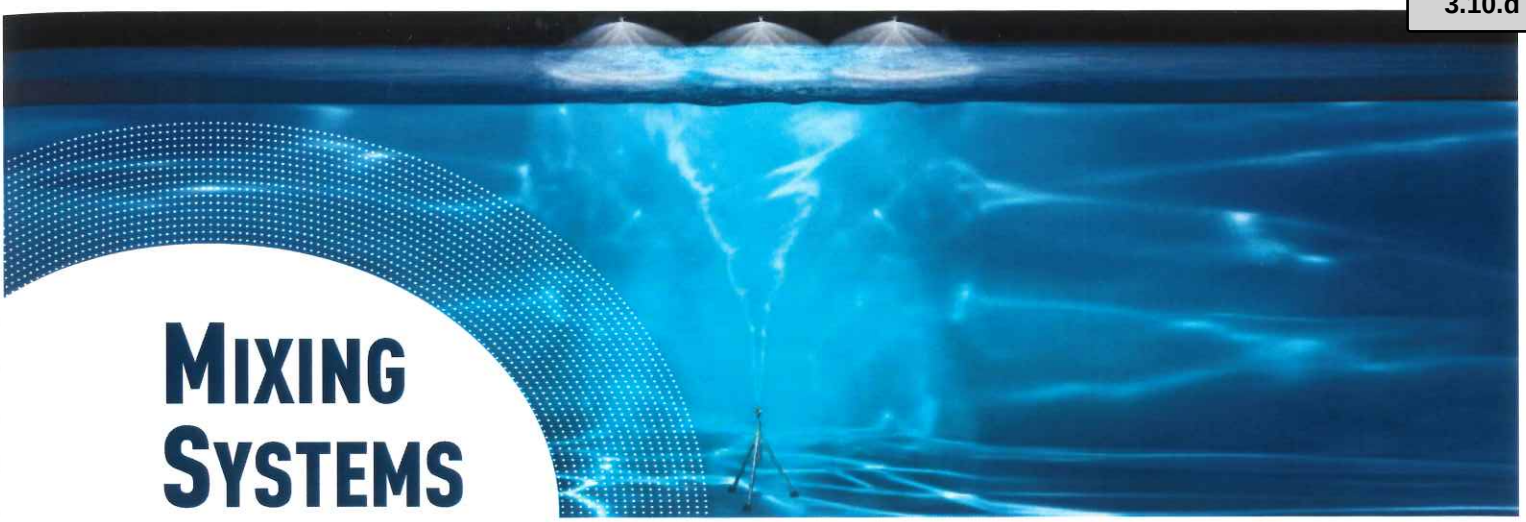
While we cannot guarantee that our performance on a project will not be stopped in the future, we are committed to continuing the performance of work on our client's projects—in accordance with our Business Continuity Plan—unless:

1. The City of De Pere's Board determines that our work is non-essential;
2. A governmental authority issues an executive order—or similar type of ruling—that prohibits our performance of work; or
3. The performance of work in the locality where the project is located is deemed by the company to be unsafe for work to continue due to the community spread of COVID-19 in the area.

As for what we are doing to manage the impact of COVID-19 on our client's projects, our operational team, supply chain, and support teams across the entire company are taking proactive measures to maintain sufficient staffing to perform and support ongoing projects, which includes:

- Leveraging both our scale and relationships with our key suppliers to ensure that we have the resources—labor and materials—necessary, based on availability. The northern region of the company has access to over 40 internal and external field crews. Additionally, the company—as a whole—has over 100 field crews with the capabilities necessary to complete the project.
- Monitoring our suppliers on a frequent basis to ensure that we can proactively address and/or communicate disruption when appropriate.
- Ensuring that we have alternatives for products and materials that could be impacted due to the pandemic. We have key supplier relationships with numerous coating manufacturers, and each manufacturer has confirmed their ability to fill our orders without disruption.

In this difficult time, we are committed to focusing on the safety of the many residents in our clients' communities—as well as our employees' safety. If a SUEZ employee develops COVID-19 symptoms, we have a system in place to ensure that we take immediate action to limit the spread of the virus. SUEZ is ready and willing to address any additional concerns you may have related to COVID-19.



MIXING SYSTEMS

Water quality is a rather significant factor in the operational performance of both water systems and water storage tanks. Without the proper solution, water systems may experience a variety of unfavorable outcomes. For example, when stratification occurs, it allows old, stale water to enter water distribution systems, resulting in taste and odor complaints from customers. With water quality regulations increasing and operational resources decreasing, water systems need a cost-effective solution offering maximum performance.

The in-tank active water mixers are motorized pieces of equipment that will create a powerful vortex flow inside of the water storage tank to circulate the entire volume from top to bottom. PAX Water Technologies active mixing systems are exclusive to SUEZ clients. Typically, within 24 hours of installing the mixer, water systems reach their equilibrium—ultimately improving the overall water quality with rapid efficiency and effectiveness.

Other issues affecting water quality in storage tanks include any disinfection byproducts, ice damage, nitrification, increased water age, and residual loss. EPA regulations for permissible levels of disinfection byproducts and THMs in water systems and water storage tanks continue to increase, adding pressure on water system managers to regulate and control standards in their system. The submersible mixers' powerful vortex flow pattern inside water storage tanks creates water circulation from top to bottom, reducing thermal stratification and water age.

The consistent water age may reduce old, stale water from entering distribution systems and—in some cases—may reduce associated taste or odor issues. Maintaining a continuous and powerful water circulation reduces nitrification, prevents ice formation in colder climates, and eliminates thermal and chemical stratification even during the periods of lower demand and increasing water age.

Mixing also allows for the even distribution of chlorine and disinfectant chemicals, which can result in a reduction of chemical usage. Within colder climates, the active mixers will reduce ice formation, which prevents tank expansion and contraction, as well as the loss of any water storage resources. Our active mixing solutions are customized to the water storage tank size, capacity, and type—specific to the climate and geographic variables of the system—to ensure optimum performance.

Active mixing systems are not simply a product; they are a comprehensive solution that is built to the specifications of a water system to provide optimal support. Mixers can be installed while some tanks are in service, but others may need to be drained depending on the storage tank's specifications.

We install and service in-tank water mixers to help utilities meet AWWA and EPA regulations and maintain the quality of treated water. The PAX active mixing system installation, servicing, and constant maintenance can be fully covered under the SUEZ asset maintenance program as an additional service.

SUEZ is a Pioneer in In-Tank Water Quality Solutions

In 2012, there were limited solutions available to address the increased enforcement of Maximum Contamination Level (MCL) Compliance at STAGE 2 sampling locations for the EPA Disinfection By-Product (DBP) Rule. In response to this industry demand, SUEZ formed a partnership with UGSI Solutions | PAX Water Technologies to develop in-tank water quality and THM removal solutions that meet the compliance goals of water systems. This partnership combines proprietary design and performance modeling software, innovative NSF-61 certified technology, and the practical expertise of the United States' premier tank maintenance company. The result is a highly efficient and cost-effective solution for improving water quality and reducing THM levels in distribution systems.

Proven Approach to Assessing Water System THM Removal

SUEZ's THM Removal Solutions utilize a proven stage-driven design and implementation process that takes the client from a field data collection and software-based desktop analysis to a refined, mature solution that meets all regulatory needs. This solution is designed to minimize the initial installation costs—as well as ongoing maintenance burdens. This staged approach ensures that all process-specific details are finalized and understood prior to moving to the next step. The SUEZ ISO 9001:2015 Certification reinforces this concept that we will execute the implementation process as defined. Our main goal is to provide the best solution, equipment, services, and support to the City of De Pere, and we stand by that solution with a performance guarantee.

The SUEZ WSC and water quality team will initiate the design analysis process with the City of De Pere, and SUEZ is aware of the challenges associated with the existing DBP compliance directives. The design and implementation teams are sensitive to the desired deployment timeline for this project to ensure continued regulatory compliance.



SUEZ DESIGN PROCESS

We execute a careful discovery/design process to ensure the proposed solution meets specific goals:

1. The system is suitable for installation in the existing distribution system infrastructure.
2. The system will meet all regulatory compliance requirements as outlined by the EPA.
3. The solution will meet the performance guarantee as contracted, but it will also result in a positive water quality impact for the community served.

The design process begins with a thorough discovery process to understand how the utility treats and distributes the finished water. SUEZ will evaluate available data related to the following items:

Treatment Process:

- Source Water
- Pretreatment Techniques
- Sedimentation / Filtration
- Advanced Treatment Techniques
- Post-Treatment Disinfection
- Corrosion Inhibition
- Re-Chlorination in Distribution

Distribution System Assets

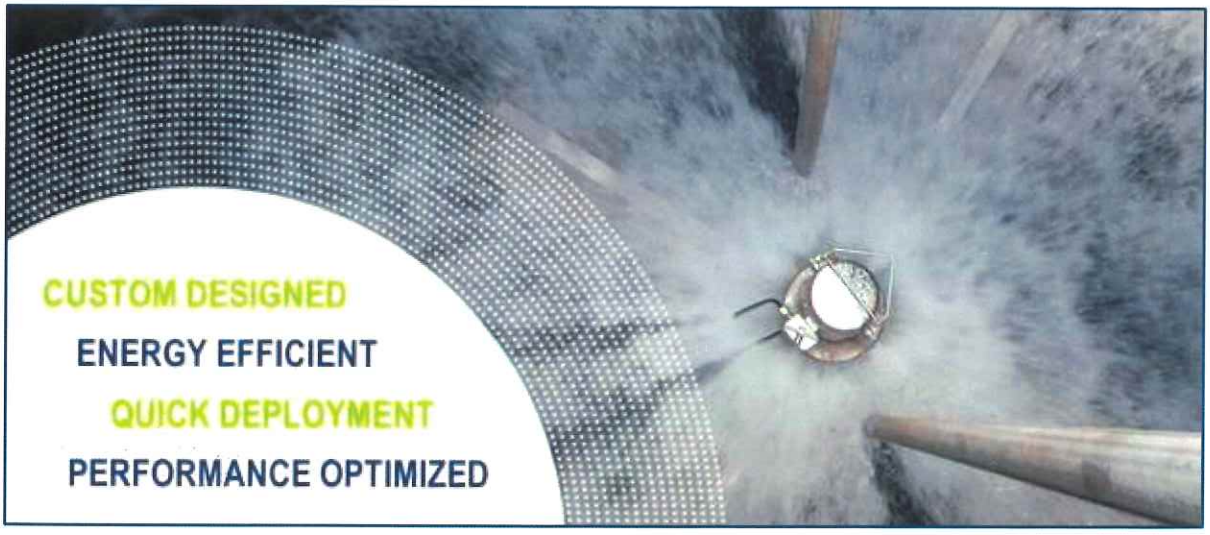
- System Mapping / GIS
- Pressure Zones
- WTP Clearwells
- Distribution Storage Tanks
- Pump Stations
- Auto-Flushing Equipment
- Large Water Users

Water System Operational Controls

- EPA Sample Locations
- Typical Water Quality Parameters
- Hydraulic Model
- Water Age Study
- Tank Turnover Data
- Pump Station Activity
- Unidirectional Flushing Program

Historical Water Quality Data

- Quarterly TTHM Reportable Data
- Supplementary TTHM Data
- Chlorine Residual in Distribution
- pH Measurements in Distribution
- Alkalinity Levels in Distribution
- Water Quality Compliance Violations
- Lead & Copper Compliance Data



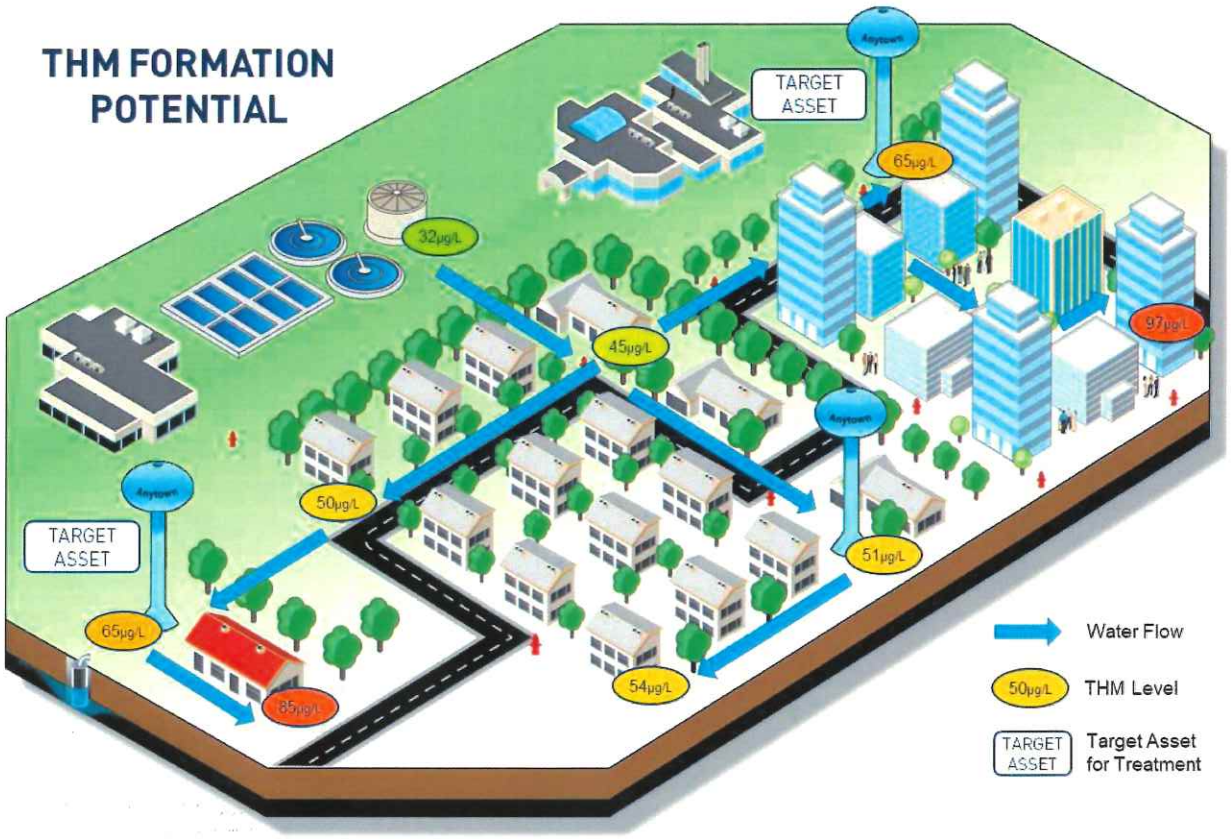
THM Formation Potential

Analysis of the available THM data—including subspecies variation—from throughout the calendar year will be analyzed to determine those areas where THM levels are in danger of non-compliance or already in excess of the MCL. If insufficient data is available, supplementary sampling may be performed in order to provide a complete data set for evaluation.

Once sufficient data is available, the information is mapped in conjunction with existing distribution system assets to:

1. Determine the THM formation potential of finished water moving through the water distribution system.
2. Assess whether the existing treatment or hydraulic controls can be utilized to reduce the THM formation potential or water age.
3. Apply any additional process controls to the system and collect supplemental THM data to finalize and map THM formation potential throughout the distribution system.
4. Identify existing distribution system assets that can be targeted to reduce THM levels using the THM removal solutions detailed and outlined on the following pages.

The THM Formation Potential figure that is illustrated below portrays how mapping THM formation potential can identify target assets for a THM Removal solution.



Development of a THM Removal Solution

Once the distribution system analysis has identified a suitable candidate asset for a THM Removal solution, a cost-benefit analysis of the solutions is performed for the asset. The process involves:

1. The optimization and confirmation of the turnover associated with a water storage tank or flow rate of a targeted water main. Additional data such as hydraulic parameters, tank geometries, and pipeline sizes are also verified.

2. Agreement on the target THM removal percentage at the target asset in order to achieve the desired THM reduction to meet compliance goals or utility expectations. This decision is made in the context of the THM formation potential for the water distribution system to ensure THM reduction at the asset will extend to benefit the community.

3. A proprietary software package is then used to develop performance models utilizing SUEZ's available THM Removal solutions, and the most cost-efficient model is then selected. If a more complex design model is required, we work with UGSI Solutions | PAX Water Technologies to expand system modeling using their NEPTUNE software package based on Computation Fluid Dynamics (CFD) modeling for water storage tanks.

4. Based on the selected design, the required water and air circulation parameters are translated into equipment specifications by the Product Line Manager and our engineering team. SUEZ's team of experienced tank and water distribution system specialists then determine the most cost-effective and maintenance-friendly method of installing and operating the TRS.

5. The approved set of equipment needs—as well as installation recommendations—are then used by our engineering team to generate a set of construction drawings and submittals for review and approval by the City of De Pere. Any additional feedback from the City of De Pere's operations team can then be incorporated into the installation and maintenance process.

6. Once the final set of construction drawings is approved, our engineering team will submit the permit application to the EPA for approval and will work with the City of De Pere to address any additional details or requirements that develop from the permitting process.

7. During the permitting process, our operations team will begin developing an installation plan and associated schedule. Phasing for the project will include:
   - Design Review & Approval
   - Permitting & Procurement
   - Site Preparation & Electrical Install
   - Tank or Piping Designed Modifications
   - Tank or Pipe Cleaning
   - Equipment Installation
   - Equipment Startup & Testing
   - System Validation

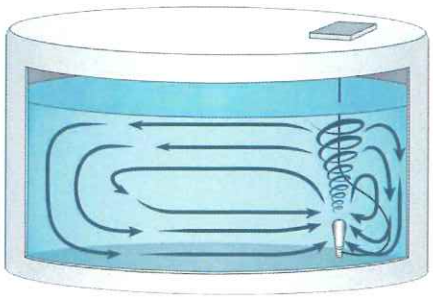
8. Following system startup and validation, we will continue to work with the City of De Pere to optimize the performance of the THM Removal Solution in order to provide the most significant impact to the water distribution system.

For any water quality and THM Removal solutions in distribution to be successful, the utility must ensure that the existing infrastructure is as free as possible of sediment accumulation and biofilm growth to reduce the overall demand for disinfection chemicals that directly result in DBP formation. To this end, SUEZ recommends a full interior cleaning of all water storage tanks to remove sediment, and then cleaning the interior shell and floor of the tank with an NSF-61 approved chemical agent to inhibit the potential for biofilm formation. In some applications, we may also recommend increase flushing, ice pigging, or water main lining—or replacement—as some additional steps to eliminate biofouling and ensure minimal disinfection chemical dosing in distribution.

Once the asset is suitably prepared for equipment installation, one (1) of the THM Removal Solutions outlined below will be employed to promote THM reduction through volatilization. In some cases, a varied set of solutions may be deployed throughout the distribution system in a phased approach to ensure acceptable water quality throughout. These solutions may also require additional flushing programs or automatic flushing systems to introduce the higher quality water generated to areas of low turnover.

In addition to the THM Removal Solutions outlined below, SUEZ may also identify situations where single-point disinfection is a significant contributing factor to high levels of DBP formation. In those situations, a designed solution may also include the use of Residual Control Systems (RCS) that are strategically positioned within the distribution system. These targeted systems will contribute to lower overall disinfection chemical usage and—therefore—ultimately reduce the total THMs formed within the water distribution system.

The aforementioned THM Removal Solutions include the following:



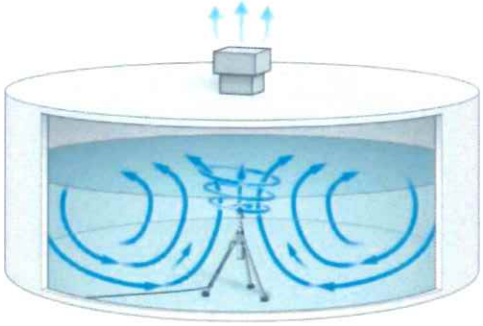
Tank Active Mixing
PWM-100 Mixer Shown

Tank Mixing Solutions

The active water tank mixer is the primary tool for improving water quality in a water distribution system. Active mixing prevents temperature and chlorine residual stratification in storage tanks to both improve the consistency of the water and reduce water age. Mixing can also contribute to THM reduction through two (2) mechanisms:

1. Reduction in chlorine usage through better chemical blending and reduced stratification of water.
2. Passive volatilization of THMs in the water chamber into the headspace as tank mixing continuous exposes new, THM laden water present lower in the tank to the air in the tank headspace.

SUEZ performs over 200 tank mixing installations and maintenance checkups each year.



Tank Active Mixing with PPV-400 Bidirectional PowerVent

Forced Air Ventilation Systems

The addition of forced air ventilation on the roof of a storage tank will further enhance the THM removal by improving THM volatilization in the tank headspace. Volatilized THMs are removed from the tank through rapid circulation of the air inside the water chamber. Removing the THM-laden air and replacing it with fresh air will shift the equilibrium of the THM levels and allow for increased volatilization from the water supply. The newly THM laden air is then further evacuated from the tank headspace, allowing this process to continue.

Forced air ventilation can be achieved through the installation of separate active and passive vent assemblies, a bidirectional vent design, or use of an alternate air handling system.

SUEZ has installed over 70 mixing and forced-air ventilation systems across the country, with THM reduction between 5-35% observed.



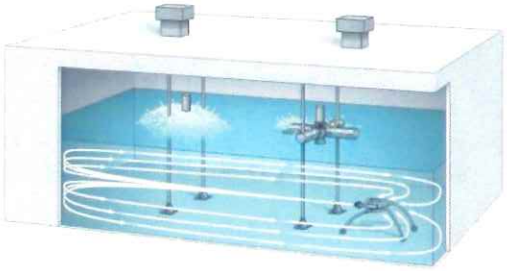
Spray Aeration System Designs—in both Ground Storage Tanks & Elevated Tanks

Spray Aeration Systems

In the cases where tank turnover is too rapid for tank mixing and forced ventilation to effectively reduce the THM levels, the increased exposure of finished water to the rapidly circulated air in the tank headspace will dramatically increase the volatilization of THMs from the water supply.

The installation of water circulation systems and spray nozzles within the tank headspace is one (1) mechanism to increase the exposure of THM-laden water surface area to fresh air by utilizing distributed water droplets. The combined surface area of all water droplets provides a dramatically expanded air-to-water interface for volatilization of THMs from the water supply.

SUEZ has installed 30+ spray aeration systems across the country, with THM reduction between 20-95% observed.



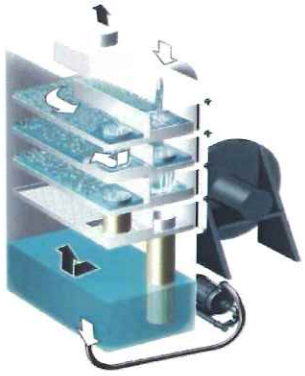
Surface Aeration System Designs—as shown in a Ground Storage Tank

Surface Aeration Systems

In cases where tank turnover is too rapid, or the tank configuration is conducive to the installation, surface aeration is a preferred method to reduce THM levels. The increased exposure of finished water to the rapidly circulating air in the water tank asset headspace will dramatically increase volatilization of THMs from the water supply.

Also, the installation of floating diffusion systems into the water chamber provides the maximum exposure volume of the THM-laden water to fresh air through a rapid mixing at the water surface. The combined surface area of all water droplets provides an expanded air to water interface for volatilization of THMs from the water supply.

SUEZ has installed 30+ surface aeration systems across the country, with ten (10) of the systems currently being installed or in operation within the State of Ohio—with THM reduction observed between 40-95%.



Example of a sliding tray air stipper that can be utilized for THM removal

Non-Tank Solutions

While SUEZ specializes in the design, installation, and maintenance of aeration systems in water storage tanks, there is not always an existing tank in the correct location in order to meet the THM reduction needs. In these cases, we still evaluate all treatment solutions that we—or our technology partners—believe provide cost-effective options for our clients.

Sliding-tray air-stripper units and aeration towers also provide a significant THM reduction potential in the right circumstances and will be evaluated alongside in-tank aeration solutions—particularly in situations where water storage tanks are not present in distribution.

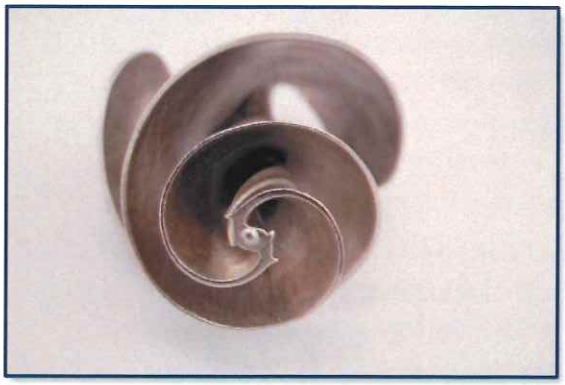
We—along with our technology partners—have experience with in-line treatment solutions.



SCHEDULE, SCOPE OF WORK, & PRICING

SUEZ ensures financial stability—providing our many clients with the option to spread the cost of renovations and rehabilitation over an extended period of time. We also offering long-term financial assistance and operational sustainability—as well as the protection of the water assets.

The following section details the schedule, scope of work, and pricing associated with the City of De Pere's 2021 reservoir mixers project. The schedule has been developed internally by SUEZ. The scope of work has been provided by the City of De Pere in the *RFP* and is detailed on the following page. The pricing has been developed utilizing the *2021 Reservoir Mixer Proposal* form included in the *RFP* issued by the City of De Pere and is based on our experience and knowledge of active mixing and TRS systems. SUEZ evaluated this information to determine the best methods of successfully installing the THM removal solution.









SCHEDULE

SUEZ will begin work once the permitting is both available and approved. The projected schedule for the 2020 Water Tower Mixers Project is as follows:

- **Permit Approval & Signed Agreement:** Up to 60 days
  - *SUEZ will be responsible for the permitting of the 2021 reservoir mixers project*
- **Installation Time:** Four (4) Work Days per Reservoir

The installation of the reservoir mixers shall be completed by December 1, 2021 (12/01/2021). No work shall be performed prior to 7:00 a.m. and shall be completed by 5:00 p.m. Normal working days shall be Monday through Friday. No work will be allowed for any reason on Saturday, Sunday, or Holidays unless weather issues throughout the work requires for Saturday work. Work on weekends or holidays must be approved by the City.

SCOPE OF WORK

1. Review existing drawings and as-built of reservoirs and any other pertinent information pertaining to each reservoir in order to complete the scope of work for the project.

2. Provide submersible reservoir mixer for potable water.
   a. Reservoir mixer will completely mix the reservoir to maintain a consistent water temperature and chlorine residual. In addition, the reservoir mixer will completely mix the reservoir so ice does not form inside the tank during the winter months.
   b. The reservoir mixer will be fully submersible, designed for potable water, and can be installed without reservoir entry.
   c. The reservoir mixer will operate continuously, all day and all night, using 120 VAC as the power source. The reservoir mixer will not have a gearbox and will not require lubrication.
   d. The reservoir mixer will have no visible defects, and have high quality welds, assembly, and corrosion resistant finish.
   e. The reservoir mixer will have a stainless steel cable or retrieval chain.
   f. The reservoir mixer shall be the manufacturer's latest model and design.
   g. Installation of each reservoir mixer shall include any accessories necessary for proper operation of each reservoir mixer.
   h. Installation of each reservoir mixer shall include control box and SCADA monitoring system for each reservoir mixer.
   i. Installation of each reservoir mixer shall include installation of all electrical necessary for operation of each reservoir mixer including any trenching to connection to the City's electrical panel. All electrical work shall meet all State and municipal codes.
   j. The reservoir mixer will be certified to ANSI/NSF Standard 61 and will be compliant with all aspects of the Safe Drinking Water Act (SDWA).
   k. The manufacturer of the reservoir mixer will have extensive experience in the production of such equipment, and the equipment will be manufactured in the United States.
   l. The reservoir mixer will be warranted to be free of defects for a period of five (5) years.

PRICING

The following *2021 Reservoir Mixer Proposal* Pricing Form has been pulled directly from the *RFP:*

City of De Pere Water Utility
2021 Reservoir Mixer Proposal

The following proposal is submitted to: City of De Pere Water Utility, in accordance with the written proposal to furnish all labor, materials, tools, equipment and incidentals necessary for the installation of the reservoir mixers to meet all Wisconsin Department of Natural Resources (WDNR), Wisconsin Statutes, and other code requirement as specified in this proposal.

The undersigned FIRM agrees, if this proposal is accepted, to enter into an agreement with the City of De Pere to perform and furnish all work as specified in this proposal. The undersigned firm will meet and adhere to the City of De Pere's requirements as indicated in the proposal.

Based on the details provided in this proposal, the undersigned firm agrees they are able to meet the City of De Pere's requirements and that the prices per reservoir mixer installation to meet said requirements are as follows:

Lump Sum Price for 9th Street Reservoir Mixer: **$64,984.85**

Lump Sum Price for Scheuring Road Reservoir Mixer: **$37,303.03**

Total Lump Sum Price for 9th Street Reservoir Mixer and Scheuring Road Reservoir Mixer: **$102,287.88**

Utility Service Co., Inc. (a SUEZ company)
Name of Firm

1230 Peachtree Street NE, Suite 1100, Atlanta, GA 30309
Address of Firm

(855) 526-4413
Telephone Number

6



CLIENT REFERENCES

SUEZ has completed over $600 million in water asset projects over the last five (5) years. Our goal is to provide comprehensive asset management solutions to ensure the long-term success of our many clients, as well as their water system assets. Our expertise in rehabilitation and preventative maintenance extends the usable life of assets and eliminates the risks associated with the run-to-failure approach. Per the requirements of the RFP, we have listed three (3) project references of similar nature in the State of Wisconsin—as well as in the northern region of the United States:

PROJECT REFERENCES (STATE OF WISCONSIN)

TANK OWNER	STATE	CONTACT	PHONE | EMAIL	PROJECT SCOPE / SUMMARY
Village of Slinger	WI	Greg Moser	(262) 644-5265 gmoser@vi.slinger.wi.gov	Two (2) Water Towers on SUEZ Tower and Mixer Maintenance Program since 2004
Geneva National Resort & Club	WI	Pat Prahl	(262) 949-7715 pat@gnpropertymgmt.com	PAX 100 Mixer installed for freeze protection and water quality
City of Sturgeon Bay	WI	Cliff White	(920) 746-2820 cwhite@wppienergy.org	Member of SUEZ Maintenance Program since 2009

ADDITIONAL PROJECT REFERENCES (NORTH REGION)

TANK OWNER	STATE	CONTACT	PHONE
Municipal Authority of Westmoreland County (MAWC)	PA	Mark Stoner	(724) 755-5882
City of Youngstown	OH	Dan Blakely	(330) 743-5340
City of Warren	OH	Valerie Meyers	(330) 841-2942

➢ *Please refer to the Appendix section for SUEZ's Case Study of the Water Tank Mixing Project conducted for the Municipal Authority of Westmoreland County (MAWC), PA.*



CONCLUSIONS

This *Proposal* describes SUEZ's organizational structure with a focus on the products and services provided to our valued clients—owners and operators of potable water systems. This description acknowledges our people, who—together with the resources available to our valued clients—make our business function.

SUEZ is uniquely positioned to provide the City of De Pere with the highest quality of maintenance services available. Also, our unique team of experts, resources, and focus on providing the most comprehensive, cost-effective, and sustainable services to our clients have made us leaders in the asset management and potable water industry. SUEZ's maintenance services provide long-term, structured, and financially-sustainable solutions with no unplanned expenditures and provide one (1) source of responsibility for all the services, repairs, and maintenance.

The SUEZ team is backed by our parent company—SUEZ Groupe. SUEZ Groupe is an international leader in the water industry that has generated over $17 billion in revenue in 2015 and invests $80 million in both research and innovation. We are truly committed to delivering the most innovative, sustainable, and effective asset management solutions to our clients to improve their water systems, assets, and the well-being of their communities. Our reputation is built on reliability; our expertise is built on experience. More than 5,000 municipal and industrial clients in the United States trust us to manage and maintain their most important water distribution system resources and assets. Together with SUEZ, let us build your comprehensive water management system on a foundation of continuous improvement and innovation.

We look forward to meeting with the City of De Pere in anticipation of discussing our qualifications, competencies, and project details—as well as scheduling any visits to our facilities. We welcome questions or comments—as well as the opportunity to elaborate on our capabilities. Please direct any questions you may have to:

Mr. Paul Schumi
Director of Sales (Great Lakes Region)
Phone: (312) 909-4410
Email: paul.schumi@suez.com

Mr. Cortez Rankin
Water Quality Product Manager (TRS/RCS)
Phone: (404) 673-9229
Email: cortez.rankin@suez.com



APPENDIX

This Appendix provides the City of De Pere with the executed documents, submittal requirements, and additionally relevant information associated with this *Proposal for 2021 Reservoir Mixers;* the required forms and additionally relevant information include:

- 2021 Reservoir Mixer Proposal Form
- Summary Resumes
- Certificate of Authority (State of Wisconsin)
- Certificate of Insurance
- ISO 9001:2015 Certification
- Case Study (Municipal Authority of Westmoreland County, PA)

SUEZ also acknowledges that the City of De Pere did not issue any Addenda associated with the *RFP for 2021 Reservoir Mixers.*

In addition to the items included in the Appendix section, SUEZ has provided the City of De Pere with additional information submitted on an external USB flash drive; this information includes:

- SUEZ Safety & Health Program

2021 Reservoir Mixer Proposal Form



City of De Pere Water Utility
2021 Reservoir Mixer Proposal

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Utility Service Co., Inc. (a SUEZ company)
Name of Firm

1230 Peachtree Street NE, Suite 1100, Atlanta, GA 30309
Address of Firm

(855) 526-4413
Telephone Number

The undersigned bidder, being duly sworn, does depose and say that he is an authorized

representative of: **Utility Service Co., Inc. (a SUEZ company)** and that the said bidder has examined and carefully prepared his bid from the Proposal Requirements, and has checked the same in detail before submitting said proposal or bid; and that said bidder or his agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in an collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

Edward Faust

Signature of Bidder

March 31, 2021 (03/31/2021)
Date

Ed Faust
Print or Type Name of Bidder

Vice President (North Region)
Title

Estimated Start Date: **Lead Time:**
Our Standard lead time is six (6) weeks from the receipt of the purchase order (if no submittals are required) or four (4) weeks after the receipt of the approved submittals (if submittals are required).

Submittals:
Submittals will be provided by SUEZ within two (2) weeks from the receipt of the purchase order.

Estimated Work Days to Complete: **Eight (8) Work Days – Four (4) Work Days per Reservoir**

SUMMARY RESUMES



PAUL SCHUMI

DIRECTOR OF SALES (GREAT LAKES REGION)

YEARS OF EXPERIENCE

- 15+ Years Total
- 15 Years in the Water and Wastewater Industry

EDUCATION

- Bachelor of Arts, Marquette University.

AREAS OF SPECIALIZATION

- Sales
- Operations
- Management
- Lines of Business (LOBs)
  - Water
  - Wastewater
  - Environmental
  - Energy
  - Oil
  - Gas
  - BioSolids
  - Manufacturing
  - Government
  - Municipal
  - Private Sector

PROFESSIONAL ASSOCIATIONS

- American Water Works Association (AWWA)
- Water Environmental Federation (WEF)
- National AWWA Asset Management Committee
- Water Main Rehabilitation Committee

OFFICE ADDRESS

- 6955 North Keating Avenue, Chicago, IL 60712

KEY QUALIFICATIONS

Mr. Paul Schumi serves as a Director of Sales (Great Lakes Region) for SUEZ Advanced Solutions | Utility Service Co., Inc. He specializes in both condition assessment and asset management programs for aging water and wastewater infrastructure. Over the last 15 years, Mr. Schumi has developed conveyance assessment and renewal programs for agencies across the United States, focusing on advancing new technologies to drive efficiency and cost-effective results. Mr. Schumi specializes in supporting both municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines, ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's many valued clients. His extensive experience qualifies him to conduct the work associated with the requested services.

PROFESSIONAL EXPERIENCE

SUEZ ADVANCED SOLUTIONS | UTILITY SERVICE CO., INC.

Director of Sales (Great Lakes Region) **2017–Present**

- Asset management and maintenance for all facets and components for water and wastewater infrastructure in the industrial and municipal markets
- Profit and loss (P&L) responsibilities, maintaining safe work practices for direct reports, maintaining both margins and proper staffing levels, budgeting, forecasting, developing acquisition targets, participating in quarterly strategy and review sessions with senior management peers
- Directly responsible for all recruiting and training of sales team
- Manage top line revenue performance through organic growth and account acquisitions
- Recruit, hire, train, and mentor direct reports to exceed sales objectives
- Exceed regional sales targets with SUEZ Advanced Solutions | Utility Service Co., Inc.
- Develop strategies to differentiate company's services and products by value added selling

CORTEZ RANKIN

WATER QUALITY PRODUCT MANAGER (TRS/RCS)

YEARS OF EXPERIENCE

- 17 Years Total
- Nine (9) Years in the Water, Wastewater, and Asset Maintenance Industry

EDUCATION

- B.S.Ch.E, Chemical Engineering, University of Tennessee — Chattanooga, 2004.

AREAS OF SPECIALIZATION

- Water Quality Modeling
- Water Quality Product Management
- Trihalomethane (THM) Removal Systems (TRS)
- Residual Control Systems (RCS)
- Hydraulic Modeling
- Total Maximum Daily Load (TMDL) Modeling

PROFESSIONAL CERTIFICATIONS

- Occupational Safety and Health Administration (OSHA)

PROFESSIONAL ASSOCIATIONS

- American Water Works Association (AWWA)
- National Water Resources Association (NWRA)
- United States Environmental Protection Agency (USEPA)

PROFESSIONAL TRAINING

- OSHA
- First Aid | CPR

OFFICE ADDRESS

- 1230 Peachtree Street NE, Suite 1100, Atlanta, GA 30309

KEY QUALIFICATIONS

Mr. Cortez Rankin serves as a Water Quality Product Manager for SUEZ Advanced Solutions | Utility Service Co., Inc. He is responsible for all mixers, active mixing systems, trihalomethane (THM) removal systems (TRS), and residual control systems (RCS). Mr. Rankin specializes in supporting municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet all established deadlines—ultimately providing specialized services in a method that will produce the high-quality results that are expected from SUEZ's many valued clients. His extensive experience qualifies him to conduct the work associated with the requested services.

PROFESSIONAL EXPERIENCE

SUEZ ADVANCED SOLUTIONS | UTILITY SERVICE CO., INC.

Water Quality Product Manager (TRS/RCS) — **2012–Present**

- Analysis, modeling, design, pricing, and proposals related to the TRS product line
- Generation of design, pricing, and proposals related to the RCS product line
- Line of business (LOB) leader for all water quality associated products and services

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Chemical Engineer | Environmental Scientist | Project Manager — **2004–2012**

- Water Quality Assessment Division — Total Maximum Daily Load (TMDL) Modeling:
  - Utilized various hydrologic models to calculate TMDL for impaired water bodies throughout the State of Louisiana
  - Created TMDL technical reports that identified the links between the waterbody impairments and the reduction of the pollutant load to mitigate the impairments and maintain compliance with the standards of the United States Environmental Protection Agency (USEPA)
- Business Community Outreach & Incentives Division — Nonpoint Source Pollution:
  - Managed numerous water quality improvement projects throughout the State of Louisiana from water quality monitoring projects to determine if all water quality standards are being met
  - Coordinated and oversaw projects to determine all areas of high pollutants within watersheds—ensuring all tasks were completed with at least three (3) variations of conditions with allotted time and budget
  - Generated implementation plans detailing the corrective actions needed to reduce pollution and remediate an impaired waterbody

PROJECT EXPERIENCE

Direct experience with mixer, TRS, and RCS asset management and maintenance services for an abundance of clients within both the industrial and municipal water and wastewater industries; some of these clients include the:

- Municipal Authority of Westmoreland County (MAWC), PA
- Borough of West View, PA
- Town of Ocean City, MD
- Village of Ottawa, OH

ANDREW J. LENZIE

SERVICE CENTER PROJECT MANAGER (NEW LENOX, IL | MAXCOR, INC.)

YEARS OF EXPERIENCE

- Four (4) Years Total

EDUCATION

- B.A., Computer Science, Brown College, 2014.

AREAS OF SPECIALIZATION

- Project Management
- Storage Tank Renovation
- Tank Asset Maintenance
- Water Quality
- Personnel Supervision

PROFESSIONAL TRAINING

- Occupational Safety and Health Administration (OSHA) Construction, Safety, and Health (30-Hour Program)
- First Aid | CPR
- Confined Space Awareness
- Fall Protection
- Hazardous Communications
- Hazardous Material Handling
- Disposal of Hazardous Waste Materials

OFFICE ADDRESS

- 900 Country Creek Drive, New Lenox, IL 60451

KEY QUALIFICATIONS

Mr. AJ Lenzie serves as a Service Center Project Manager (New Lenox, IL | Maxcor, Inc.) for SUEZ Advanced Solutions | Utility Service Co., Inc. He is responsible for the daily operation and management of approximately thirteen (13) field personnel. Mr. Lenzie specializes in supporting both municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines, ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's many valued clients. His experience qualifies him to conduct the work associated with the requested services.

PROFESSIONAL EXPERIENCE

SUEZ ADVANCED SOLUTIONS | UTILITY SERVICE CO., INC.

Service Center Project Manager (New Lenox, IL | Maxcor, Inc.)

- Provide a safe working environment for employees and ensure that all operations meet OSHA, corporate, and industry standards for safety, health, and environmental compliance
- Allocate utilization of available resources to maximum operating efficiency, achieve client satisfaction, and successfully complete the projects assigned to the Service Center
- Hire, train, and supervise direct reporting staff
- Delegate work duties to staff
- Project management for over 300 SUEZ clients

PROJECT EXPERIENCE

Direct experience with water storage tank asset management and maintenance services for an abundance of clients within both the industrial and municipal water and wastewater industries; some of these clients include:

- Village of Birch Run, MI
- Wisconsin Rapids Water Works and Lighting Commission, WI
- Village of Waterford, WI

JOHN SULLIVAN

SERVICE CENTER MANAGER (NEW LENOX, IL | MAXCOR, INC.)

YEARS OF EXPERIENCE

- 30 Years Total

EDUCATION

- B.A., Finance Computer Science, St. Joseph's College, Rensselaer, IN.

AREAS OF SPECIALIZATION

- Storage Tank Renovation Projects
- Water Quality
- Contract Development
- Bidding/Contract Management
- Personnel Supervision

PROFESSIONAL TRAINING

- Occupational Safety and Health Administration (OSHA) Construction Health and Safety (30-Hour Program)
- Confined Space Awareness
- Confined Space Access
- Fall Protection
- Hazardous Communications
- Hazardous Material Handling and Disposal
- First Aid | CPR

OFFICE ADDRESS

- 900 Country creek Drive, New Lenox, IL 60451

KEY QUALIFICATIONS

Mr. John Sullivan serves as a Service Center Manager (New Lenox, IL | Maxcor, Inc.) for SUEZ Advanced Solutions | Utility Service Co., Inc. He is responsible for the daily operation of the Illinois Service Center and manages approximately 40 office and field personnel. Mr. Sullivan specializes in supporting both municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines, ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's many valued clients. His extensive experience qualifies him to conduct the work associated with the requested services.

PROFESSIONAL EXPERIENCE

SUEZ ADVANCED SOLUTIONS | UTILITY SERVICE CO., INC.

Service Center Manager (New Lenox, IL | Maxcor, Inc.)

- Provide a safe working environment for employees and ensure that all operations meet OSHA, corporate, and industry standards for safety, health, and environmental compliance
- Allocate utilization of available resources to maximize operating efficiency, achieve client satisfaction, and successfully completing projects assigned to the Illinois Service Center
- Hiring, training and supervising direct reporting staff
- Delegating work duties to staff
- Project estimating, contract administration, and project management

PROJECT EXPERIENCE

Direct experience with water storage tank asset management and maintenance services for an abundance of clients within both the industrial and municipal water and wastewater industries; some of these clients include:

- Village of Franklin Park, IL: Storage Tank Renovation
- City of Ottawa, OH: Trihalomethane Removal System (TRS)
- DuPage Water Commission | DuPage County, IL: Water Quality Improvements – Acting Mixing Systems

KURT KWIATKOWSKI

NACE LEVEL III (3) CERTIFIED COATINGS INSPECTOR (#57908)

YEARS OF EXPERIENCE

- 35 Years Total
- Seven (7) Years in the Water, Wastewater, and Asset Maintenance Industry

AREAS OF SPECIALIZATION

- Application and inspection of coatings on both steel and concrete structures
- Condition assessments of steel and concrete water and wastewater assets
- Quality Control (QC)

PROFESSIONAL CERTIFICATIONS

- National Association of Corrosion Engineers (NACE) Level III (3) Certified Coatings Inspector (#57908)
- Society for Protective Coatings (SSPC) C3 Competent Lead Removal Supervisor (#113717)
- Federal Aviation Administration (FAA) Drone Pilot Certification

PROFESSIONAL ASSOCIATIONS

- NACE
- SSPC
- FAA
- National Security Council (NSC)
- Occupational Safety and Health Administration (OSHA)

PROFESSIONAL TRAINING

- NSC First Aid, CPR, & AED
  - 2020 Course
- Annual Environmental, Health, and Safety Training
  - 2019 Course (#19003)
- OSHA Construction and Safety Outreach Training Course
  - v3 2014 (10-Hour Course)

OFFICE ADDRESS

- 900 Country Creek Drive, New Lenox, IL 60451

KEY QUALIFICATIONS

Mr. Kurt Kwiatkowski serves as a NACE Level III (3) Certified Coatings Inspector (#57908) for SUEZ Advanced Solutions | Utility Service Co., Inc. He is responsible for conducting the condition assessments on newly acquired sales—along with annual sanitary condition assessments for SUEZ maintenance clients. He is also responsible for providing oversite on jobsite safety—as well as quality control on all working projects. Mr. Kwiatkowski specializes in supporting both municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines—ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's many valued clients. His extensive experience qualifies him to conduct all of the work associated with the requested services.

PROFESSIONAL EXPERIENCE

SUEZ ADVANCED SOLUTIONS / UTILITY SERVICE CO., INC.

NACE Level III (3) Certified Coatings Inspector (#57908) — 2014–Present

- Keeping daily reports for each assigned project. The daily reports consist of taking and documenting ambient conditions and what the crews are working on each day—as well as what degree of work they are performing.
- Communicating with clients on the progress of their projects and answering any questions and concerns they may have. This includes communication with upper management on the progress of these projects so that issues—if any—are resolved in a timely manner.
- Completing annual SUEZ visual inspections for clients and gathering information—via pictures and reports—for the annual tank assessment reports.

SYMET, INC.

Manager / Supervisor — 1986-2014

- Responsible for the production and quality control of blasting and coating operations
- Responsible for all shipping and receiving
- Responsible for all new employee training

PROJECT EXPERIENCE

Direct experience with water storage tank asset management and maintenance services for an abundance of clients within both the industrial and municipal water and wastewater industries; some of these clients include the:

- Village of Palatine, IL—Public Works Department
- Village of Franklin Park, IL—Water Department
- City of Algoma, WI—Wastewater Treatment Plant (WWTP)
- City of Monroe, WI—Water Department

ED FAUST

SENIOR VICE PRESIDENT (NORTH REGION)

YEARS OF EXPERIENCE

- 30 Years Total

EDUCATION

- M.B.A., Marketing, University of Connecticut, 1983.
- B.S., Chemistry, New York State University, 1978.

AREAS OF SPECIALIZATION

- Strategic Marketing
- Tactical Marketing
- Business Planning
- Product Management
- Business Development
- Technology Assessment
- Technology Deployment
- Product Commercialization
- Operations Management
- Market Development
- Market Research
- Innovative Product Development
- Joint Ventures & Partnerships
- Sales Management
- Relationship Building
- Account Cultivation
- Ethnographic Research
- Voice of the Customer
- Manufacturing Operations
- Manufacturing Processes
- Leadership Skills
- Talent Development
- Metrics-Based Performance Measurement

PROFESSIONAL TRAINING

- Stage Gate-based Product Development
- Six (6) Sigma Green Belt
- Continuous Improvement
- Lean Concepts
- Voice of the Customer
- Sales and Operations Planning (S&OP)

OFFICE ADDRESS

- 461 From Road, Suite 400, Paramus, NJ 07652

KEY QUALIFICATIONS

Mr. Ed Faust serves as a Senior Vice President (North Region) for SUEZ Advanced Solutions | Utility Service Co., Inc. He is an accomplished professional in areas such as strategic marketing, product management, business development, and sales with broad based business to business (B2B), business to government (B2G), and business to consumer experience (B2C). Mr. Faust specializes in supporting municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines—ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's many valued clients. He has proven expertise in profit and loss (P&L) management—as well as an impressive track record of success in both the identification and commercialization of new technologies, products, and services gained through managing projects for more than 55 new product offerings and 15 new service offerings.

PROFESSIONAL EXPERIENCE

SUEZ ADVANCED SOLUTIONS / UTILITY SERVICE CO., INC.

Senior Vice President (North Region) — 2014–Present

- Responsible for all sales and operations activities in the 16 comprising the North Region of SUEZ—including five (5) service centers providing products and services to enhance the distribution and treatment systems for municipal water and wastewater handling assets and a 14-person sales team of territory managers and in-field technical personnel

SIEMENS DRIVES TECHNOLOGIES

Manager (Product Market Assessment & Planning) — 2011–2014

- Responsible for business case development, market assessment, new product road-map strategy, development of product market requirement specifications
- Responsibility extends to full portfolio of medium voltage drive products; products are marketed into oil/gas, chemical/petrochemical, metals, mining, and water/wastewater

Manager (Global Strategic Marketing)

- Implement new program to provide market intelligence and develop strategic insights to guide direction of Siemens Drive technologies to improve both strategic planning and development new business opportunities
- Lead a staff of four (4) Marketing Analysts and Project Managers with support from regional companies around the globe
- Efforts span all regions and all markets on a global basis.
- Concentration on oil and gas, power generation, metals, mining, water and wastewater, pulp and paper
- Led strategic efforts to identify, develop, and implement improvements to the process that addresses customer support, marketing, sales process and external communications
- Accelerated progress and reduced planned project completion by over six (6) months

SIEMENS WATER TECHNOLOGIES

Project Manager & Construction Engineer — 2010–2011

- Responsible for strategy development and cross-functional implementation across the marketing, sales and product management activities
- Held lead and sponsorship roles in development of new programs to drive revenues, critical and actionable market information, product portfolio and product positioning and directional drive

MARK COOSE

DIRECTOR OF OPERATIONS (NORTH REGION)

YEARS OF EXPERIENCE

- 30 Years Total

EDUCATION

- Bachelor of Science, Biology, Old Dominion University.

AREAS OF SPECIALIZATION

- Executive Operations Management
- Profit and Loss (P&L)
- Strategic Planning
- Organizational Building
- Process Improvement
- Process Efficiency
- Operational Efficiency
- Visionary Leadership
- Collaboration
- Organizational Restructuring
- Innovative Problem-Solving
- Digital Integration
- Team-Building
- Margin Improvement
- Partnership Development

PROFESSIONAL ASSOCIATIONS

- Environmental Health & Safety (EH&S) Award for Innovation (2008)

PROFESSIONAL TRAINING

- General Electric (GE) Management Development Training – Crotonville Leadership Training
  - Managers Development (Three [3]-Week Course)
  - Leadership Innovation
  - Leadership Growth
  - Public Relations Leadership

OFFICE ADDRESSES

- 517 Terrace Avenue, Virginia Beach, VA 23451

KEY QUALIFICATIONS

Mr. Mark Coose serves as a Director of Operations (North Region) for SUEZ Advanced Solutions | Utility Service Co., Inc. He is accomplished executive manager with domestic and Caribbean experience in operations, profit and loss (P&L) oversight, organizational building, and process efficiencies using digital integration in start-up and growth operations. Mr. Coose specializes in supporting both municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines, ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's many valued clients. His extensive experience qualifies him to conduct the work that is associated with the requested services.

PROFESSIONAL EXPERIENCE

SUEZ ADVANCED SOLUTIONS / UTILITY SERVICE CO., INC.

Director of Sales (North Region) — 2019–Present

- Effectively manages North Region operations to provide quality water storage tank services
- Responsible for the performance of the North Region service centers
- Provides coaching/assistance to optimize operational efficiency/quality of service delivery
- Ensures service centers administer yearly safety training and follow the proper safety protocols throughout all work stages and processes
- Introduces and sustains operational efficiencies while managing operational costs

SUEZ WATER TECHNOLOGIES AND SOLUTIONS (FORMERLY GE WATER)

Senior Network Asset Management (NAM) Fulfillment Director — 2016–2018

- Provide assessment of antiquated department supporting 120 million in sales revenue
- Developed and created the customer loyalty concept and restructured the department to a more customer centric, profitable and efficient organization
- Developed a customer loyalty organization through a process of assess, visual, and plan; executed delivery and an operational department in 12 months
- Developed digital and human interface to better support clients and regain market share
- Increased growth with two (2) largest back-to-back quarters for total sales in the mobile water division in seven (7) years.

GE WATER

NAM & Caribbean Service Leader — 2007–2016

- Orchestrated the integration of a $45M service division by combining five (5) acquired service departments—Ecolochem, Ionics, Glegg, Betz, and Zenon—into one (1) highly efficient service organization
- Combined/developed service organization for 350 employees—including regional, area, and site managers; EH&S; technical service; procurement; and training
- Provide and lead vision, direction, safety, and change management during transition
- Provide OCPH reduction and margin increases in two (2) major product lines
- Continued process improvements and productivity once the organization stabilized
- Integrated digital tools for better operations and cost savings
- Created "human performance" field model to allow remote workers to peer-manage themselves and ultimately improve work quality and safety
- Managed a team of 90 field service personnel supporting various product lines
- Delivered operating plan and improvements for product lines within GE water
- Created process improvements that allowed continuous productivity gains and visibility to operations plan
- Developed several tools—membrane push device and cap remover—to speed repairs and decrease safety risk

BRYAN MORROW

DIRECTOR OF QUALITY (NORTH REGION)

YEARS OF EXPERIENCE

- 21 Years Total

PROFESSIONAL CERTIFICATIONS

- National Association of Corrosion Engineers (NACE) Level III (3) Certified Coatings Inspector (#9135)
- NACE Certification for the Coatings Inspector Program for all certification levels—including Peer Review
- NACE Level II (2) Protective Coating Specialist (Advanced)
- Administration Certification for Subsurface Boring, Sampling, and Testing
- Geotechnical Engineering Certified Level I (1) Inspector
- Society for Protective Coatings (SSPC) C3 Competent Lead Removal Supervisor

PROFESSIONAL TRAINING

- Occupational Safety and Health Administration (OSHA) Compliance
- SSPC C-5 Trained Supervisor/ Competent Person for the De-leading of Industrial Structures

OFFICE ADDRESS

- 6150 Center Road, Lowellville, OH 44436

KEY QUALIFICATIONS

Mr. Bryan Morrow serves as the Director of Quality (North Region) for SUEZ Advanced Solutions | Utility Service Co., Inc. He is responsible for the effective execution of the Quality Assurance/ Quality Control (QA/QC) Program within the North Region of the United States. Mr. Morrow has extensive experience in operations, QA/QC, management, and industry technical knowledge in both the potable water and asset management industry. He is passionate about both quality and client satisfaction, and he has a proven record of improving efficiency from end-to-end delivery for maximum profitability and consistency. Mr. Morrow specializes in supporting both municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines—ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's many valued clients. He has been in the industry for over 21 years working in production—as well as 18 years in QA/QC. His extensive experience qualifies him to conduct the work associated with the requested services.

PROFESSIONAL EXPERIENCE

SUEZ Advanced Solutions | Utility Service Co., Inc.

Director of Quality (North Region) — 2020–Present

- Responsible for the effective execution of the QA/QC Program in the North Region of the United States—including the District of Columbia and the following states: Connecticut, Delaware, Massachusetts, Maryland, Maine, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Wisconsin, Illinois, Indiana, Michigan, Ohio, and Northern West Virginia.

Regional Inspection Manager (North Region) — 2005–2020

- Manages the day-to-day operations of inspection and condition assessment teams
- Technical reviews of inspection and condition assessment reports
- Writes paint and repair specifications
- Assisting in the design of the new SUEZ Safety & Health Program
- Provides technical assistance for all SUEZ inspectors dealing with field-related issues
- Provides guidance for successful completion of NACE and computer-related issues
- Developed companywide computer-based forms to transition to a paperless operation to reduce budget spending and quickly streamline the flow of paperwork to clients
- Inspected complex military installation and Department of Corrections (DOC) projects

Tank Industry Consultants

Field Inspector | Quality Assurance — 2003–2005

- Aided in the successful completion through inspection, site supervision, and technical assistance of several complex projects—each worth over $600,000

Navarro & Wright Consulting Engineers

Field Inspector — 2003–2005

- Successful completion—on time and in budget—of numerous water tower rehabilitation projects as both a site supervisor and inspector
- Supervised and inspected several complex DOC and hazardous lead abatement jobs
- Participated as a key speaker at Pennsylvania Rural Water meetings and conferences

Mid-South Tank Consultants

Field Inspector — 2003–2004

- Gained the respect of senior management while working for CPS as both a foreman and supervisor on Mid-South's projects throughout the years

JONATHAN CATO

SENIOR VICE PRESIDENT (LINES OF BUSINESS, OPERATIONS, & ENGINEERING)

YEARS OF EXPERIENCE

- 25 Years Total
- 15 Years in Water Storage Tank Asset Maintenance and Management
- Ten (10) Years of Chemical Engineering – Mining Industry

EDUCATION

- B.S. Materials and Fiber Engineering, Georgia Institute of Technology.

AREAS OF SPECIALIZATION

- Steel Water Storage Tank Asset Management and Maintenance
- Concrete Asset Management and Maintenance
- Construction Management and Maintenance
- Contract Management
- Financial Analysis
- Financial Estimating

PROFESSIONAL ASSOCIATIONS

- American Water Works Association (AWWA)
- Society for Protective Coatings (SSPC)
- National Association of Corrosion Engineers (NACE)
- American Concrete Institute (ACI)

OFFICE ADDRESS

- 1230 Peachtree Street NE, Suite 1100, Atlanta, GA 30309

KEY QUALIFICATIONS

Mr. Jonathan Cato serves as a Senior Vice President (Lines of Business [LOBs], Operations, and Engineering) for SUEZ Advanced Solutions | Utility Service Co., Inc. His experience pertaining to all aspects of executive and project management—coupled with his engineering background and tank maintenance experience—provide him with the ability to manage multiple areas of existing product offerings and direct clients toward the future and SUEZ's new service offerings. Mr. Cato specializes in supporting both municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines, ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's many valued clients. His extensive experience qualifies him to conduct the work associated with the requested services.

PROFESSIONAL EXPERIENCE

SUEZ ADVANCED SOLUTIONS | UTILITY SERVICE CO., INC.

Senior Vice President (Lines of Business, Operations, & Engineering) — 2019–Present

- Responsible for all lines of business, operations, and engineering services across all regions of the company

Senior Vice President (Lines of Business) — 2012–2019

- Responsible for all lines of business across all regions of the company

Vice President (Operations) — 2009–2012

- Responsible for the operations of all Service Centers across all regions of the company

General Manager (Contracting Division) — 2002–2009

- Responsible for all estimating and project management for publicly bid tank projects nationwide

Project Manager | Lead Estimator — 2000–2002

- Responsible for all estimating and project management for publicly bid tank projects nationwide

THIELE KAOLIN COMPANY

Chemical Process Engineer — 1990–1999

- Process improvement, new product development, and new process development—as well as water and wastewater environmental management

PROJECT EXPERIENCE

Direct experience with water storage tank asset management and maintenance services for an abundance of clients within both the industrial and municipal water and wastewater industries; some of these clients include:

- City of Atlanta, GA
- Birmingham Water Works Board, AL
- City of Philadelphia, PA

DAVID FORRESTER

VICE PRESIDENT (TANKS & WATER QUALITY)

YEARS OF EXPERIENCE

- 26 Years Total
- 13 Years in Asset Maintenance

EDUCATION

- B.S. Civil Engineering, Georgia Institute of Technology, 1989.
- A.S., Engineering Technology, Middle Georgia College, 1984.

OFFICE ADDRESS

- 1230 Peachtree Street NE, Suite 1100, Atlanta, GA 30309

KEY QUALIFICATIONS

Mr. David Forrester serves as a Vice President (Tanks & Water Quality) for SUEZ Advanced Solutions | Utility Service Co., Inc. His experience with all aspects of project management—coupled with his engineering background and tank maintenance experience—provide him with the ability to manage multiple areas of our existing product offerings and direct our clients toward the future and SUEZ's new service offerings. Mr. Forrester specializes in supporting both municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines, ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's many valued clients. His extensive experience qualifies him to conduct all of the work associated with the requested maintenance services.

PROFESSIONAL EXPERIENCE

SUEZ ADVANCED SOLUTIONS | UTILITY SERVICE CO., INC.

Vice President (Tanks & Water Quality) — 2012–Present

- Profit and Loss (P&L) responsibility for all service lines covering eight (8) states in the southeastern region of the United States—over 2,500 potable water tanks representing 800+ municipalities currently under tank maintenance contracts, including renovations, repairs, inspections, condition assessment and emergency services

General Manager (Tank Maintenance) — 2008–2012

- Managed condition assessment and asset maintenance activities for 5,000+ potable water storage tanks across the United States
- Led collaborative efforts to develop water quality improvement solutions in potable water storage tank assets

Vice President (Communications Construction) — 2002–2008

- Responsible for a division the providing design and installation of engineered cellular installation solutions on elevated water towers across the eastern United States

KAOLIN MINING INDUSTRY

General Manager (Operations Management & Engineering) — 1989–2002

- Managed the operations and engineering of mining for Kaolin within the State of Georgia

PROJECT EXPERIENCE

Direct experience with water storage tank asset management and maintenance services for an abundance of clients within both the industrial and municipal water and wastewater industries; some of these clients include:

- City of Raleigh, NC
- Fauquier County Service Authority, VA
- Prince William County Service Authority, VA
- City of Franklin, VA
- City of Winchester, VA
- Town of Warrenton, VA

ROBERT WEAVER

DIRECTOR OF ENVIRONMENTAL HEALTH & SAFETY (EH&S)

YEARS OF EXPERIENCE

- 15 Years Total
- 15 Years in the Water, Wastewater, and Asset Maintenance Industry

EDUCATION

- B.S., Engineering, Southern Polytechnic University.

AREAS OF SPECIALIZATION

- Safety Practices
- Qualifying Party for Holding General Contractor's License for 15 States
- Lead Removal Competency License

PROFESSIONAL CERTIFICATIONS

- National Association of Corrosion Engineers (NACE) Level III (3) Certified Coating Inspector (#17372)
- Society for Protective Coatings (SSPC) C-3 & C-5 Supervisor/Competent Person for Deleading of Industrial Structures (#99461)

PROFESSIONAL ASSOCIATIONS

- NACE
- SSPC

OFFICE ADDRESS

- 535 Courtney Hodges Blvd, Perry, GA 31069

KEY QUALIFICATIONS

Mr. Robert Weaver serves as the Director of Environmental Health & Safety (EH&S) for SUEZ Advanced Solutions | Utility Service Co., Inc. He is primarily responsible for all aspects and standard practices regarding EH&S. Mr. Weaver specializes in supporting both municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines, ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's many valued clients. His extensive experience qualifies him to conduct the work associated with the requested services.

PROFESSIONAL EXPERIENCE

SUEZ ADVANCED SOLUTIONS / UTILITY SERVICE CO., INC.

Director of Environmental Health & Safety (EH&S) — 2014–Present

- Responsible for all aspects and standard practices regarding EH&S
- Implements safety practices and procedures across the entire company

Director of Operations (South Region) — 2012–2014

- Responsible for the performance of the South Region Service Centers
- Managed South Region operations to provide quality water storage tank services
- Provided coaching/assistance to optimize operation efficiency/quality of service delivery
- Ensured South Region Service Centers administer yearly safety training and follow the proper safety protocols throughout all work states and processes
- Introduced and sustained operational efficiencies while managing operational costs
- Worked closely with many clients to verify that all project needs are met as a foundation for business growth

Engineering Technical Manager & Safety Director — 1998–2012

- Managed all maintenance programs—over 6,000 included analyzing annual inspection reports, quality, and safety for all of the paint renovations

PROJECT EXPERIENCE

Direct experience with water storage tank asset management and maintenance services for an abundance of clients within both the industrial and municipal water and wastewater industries; some of these clients include the:

- City of Atlanta, GA | Eight (8) Tank Renovation Package
- City of Raleigh, NC | Twenty-Two (22) Tanks on Maintenance Program

JASON G. SAYLOR, P.E.

DIRECTOR OF ENGINEERING

YEARS OF EXPERIENCE

- 26 Years in the Water, Wastewater, and Asset Maintenance Industry

EDUCATION

- B.S., Civil Engineering, Pennsylvania State University (Penn State), 1995.

AREAS OF SPECIALIZATION

- Asset Management/Maintenance
- Infrastructure Improvement
- Construction Engineering
- Demolition/Field Engineering
- Building/Facility Engineering
- Quality Assurance/Quality Control (QA/QC)
- Budgeting & Cost Controls
- Contract Development
- Bidding/Contract Management
- Environmental Permitting
- Personnel Supervision

PROFESSIONAL CERTIFICATIONS

- Licensed Professional Engineer (P.E.)
- Construction Specifications Institute (CSI) Construction Document Technologist

PROFESSIONAL ASSOCIATIONS

- American Water Works Association (AWWA)
- Georgia Association of Water Professionals (GAWP)
- American Society of Civil Engineers (ASCE)
- Water Environment Federation (WEF)

PROFESSIONAL TRAINING

- Occupational Safety and Health Association (OSHA) Construction Safety and Health Compliance
- Confined Space Awareness
- Hazardous Communications
- First Aid | CPR

OFFICE ADDRESS

- 1230 Peachtree Street NE, Suite 1100, Atlanta, GA 30309

KEY QUALIFICATIONS

Mr. Jason Saylor, P.E., serves as the Director of Engineering for Utility Service Co., Inc. He is responsible for leading and directing the engineering team in supporting both municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines, ultimately providing engineering support services that produce the high-quality results expected from our many valued clients. Mr. Saylor and the engineering team provide full support of asset management and maintenance programs through:

- Assisting clients with completion of required documents to gain local, state, and federal approvals of projects.
- Developing technical and operational improvements to enhance delivery of services.
- Preparation and review of project designs, specifications, installation details, engineering reports, and condition assessment reports.
- Review and support of both operational and project delivery plans
- Coordinating the engineering department with the Lines of Business (LOBs), Product Managers, and Regional Management Teams to develop project plans.
- Coordinating the procurement, design, and improvement of specialized equipment with the LOB Leaders and the Director of Operations (DOS).
- Assisting the LOB Leaders and Sales Teams to negotiate project scope, specifications, and costs with external and internal customers, engineering firms and others.
- Reviewing permits, submittals, drawings, and providing PE approval.
- Developing departmental budgets and monitoring performance to budget.

PROFESSIONAL EXPERIENCE

UTILITY SERVICE CO., INC.

Director of Engineering — **2013–Present**

- Direct oversight and leadership of engineering team
- Technical support for asset management/maintenance projects
- Corporate engineering engagement in LOB development, project delivery, QA/QC, capital improvements, and operational planning.

HERBERT, ROWLAND, AND GRUBIC, INC.

Regional Service Group Manager — **2001–2013**

- Provided oversight and leadership to regional engineering team for project planning, proposal development, project designs, and project delivery.
- Provided oversight and direction to project field personnel for construction project delivery
- Developed company-wide standards and documents for control and management of construction projects.

PROJECT EXPERIENCE

Mr. Jason Saylor, P.E., has direct experience with water storage tank asset management and maintenance services for an abundance of clients within both the industrial and municipal water and wastewater industries. He and his engineering team provide related engineering services for all aspects of the asset management program, including—but not limited to:

- Condition Assessments
- Evaluation of Asset Performance
- Development of Asset Maintenance and Repair Plans
- QA/QC of Asset Maintenance and Management Project Scopes

PETAR KOVACEVIC, E.I.T.

PROJECT ENGINEER III (3)

YEARS OF EXPERIENCE

- Eight (8) Years Total

EDUCATION

- B.S., Civil Engineering Technology, Southern Poly-Technical State University, 2012.
  - GPA: 3.24

AREAS OF SPECIALIZATION

- Engineering Services
- Strategic Planning
- Strategic Analysis
- Leadership

PROFESSIONAL ASSOCIATIONS

- American Society of Civil Engineers (ASCE)

AREAS OF SPECIALIZATION

- AutoCAD (Computer-Aided Design)
- AutoCAD Piping & Instrumentation Design (P&ID)
- Russian and Montenegrin Fluency in AutoCAD Civil
- Autodesk Inventor
- GT-Strudl 31
- Q Basic
- Nitro PDF
- STARK ES (2009)
- Microsoft Office

OFFICE ADDRESS

- 1230 Peachtree Street NE, Suite 1100, Atlanta, GA 30309

KEY QUALIFICATIONS

Mr. Petar Kovacevic serves as a Project Engineer III (3) for Utility Service Co., Inc. He is an eager and motivated Engineer with experience in both managerial and technical positions. Mr. Kovacevic has a demonstrated ability to work independently with limited supervision, while also thriving in team settings. He also excels under pressure in environments that require both attention-to-detail and adherence to deadlines. Mr. Kovacevic specializes in supporting both municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines, ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's many valued clients. His extensive experience qualifies him to conduct the work associated with the requested asset maintenance services.

PROFESSIONAL EXPERIENCE

UTILITY SERVICE CO., INC.
Project Engineer III (3) — **2015–Present**

- Responsible for obtaining the construction permits for potable water storage tank asset renovations and upgrades in the United States
- Perform inspections and evaluate structural integrity of existing water storages
- Create new permitting procedures/standards to increase productivity/avoid costly delays
- Coordinate installation and perform startup of dewatering equipment upgrades at the Cedar Creek Wastewater Treatment Plant (WWTP) in New York—improving dewatering capability of belt filter press and reducing sludge hauling costs
- Provide both aeration and mixing systems recommendations for water storage assets, improving Trihalomethane (THM) by-product levels to an acceptable range
- Provide ongoing technical support and help with troubleshooting of dewatering equipment

AWNEX, INC.
Project Engineer — **2014–2015**

- Created/reviewed full fabrication drawings for architectural enhancement bolt-on systems
- Finished product evaluations—structural weld inspections, laboratory material tests, etc.
- Finalized installation drawings with engineering specifications for canopy/awning systems
- Aided in development of new products for clients—McDonald's, Taco Bell, Chick-fil-A, etc.
- Provided technical support for installation crews

SATKO ALLIANCE, LLC (MOSCOW, RUSSIAN FEDERATION)
Structural Engineer — **2013–2014**

- Completed structural drawings and calculations for a ten (10) story residential building (K-12) and a 20-story residential building (K-4)
- Rebar inspections, review of site super reports, and 3-D structural analysis
- Prepared structural drawing sets and engineering specifications
- Adhered to all of the latest structural standards and codes in Moscow (СНИП)

ECOLOGIX ENVIRONMENTAL SYSTEMS, LLC
Project Engineer | Civil Engineer — **2012–2013**

- Managed initiatives for a diverse range of clientele; projects ranged from $100K–$2.3M
- Full programming and installation of the secondary waste water treatment system
- Prepared proposals for packaged waste water treatment plants and equipment
- Completed a turnkey WWTP for Indiana's Fair Oaks Dairy Farms and a secondary WWTP for a mining camp in West Guinea
- Structural design of pump stations, hydraulic design/analysis, concrete slab design, P&ID drawings, installation drawings, equipment control logic, and supervision of all resources

CHRISTIE L. HOUSEMAN, P.E.

PROJECT ENGINEER II (2)

YEARS OF EXPERIENCE

- Seven (7) Years in the Water, Wastewater, and Asset Maintenance Industry

EDUCATION

- M.S., Environmental Engineering, Mercer University, 2015.
  - GPA: 3.812
- B.S., Environmental Engineering, Mercer University, 2015.
  - Minor: Sociology
  - GPA: 3.884

AREAS OF SPECIALIZATION

- Gravity Sewer Design
- Industrial Pretreatment
- Proposal Drafting
- Utility Permitting
- Process Experience
- Strong Technical Writing
- Erosion, Pollution, and Sediment Control
- Construction Plan Production

PROFESSIONAL CERTIFICATIONS

- Licensed Professional Engineer (P.E.)
- Georgia Soil and Water Conservation Commission (GSWCC) Level II (2) Certified Plan Reviewer

SOFTWARE PROFICIENCIES

- AutoCAD (Computer-Aided Design)
- ArcGIS (Geographic Information System)
- Civil 3D
- Microsoft Office

OFFICE ADDRESS

- 1230 Peachtree Street NE, Suite 1100, Atlanta, GA 30309

KEY QUALIFICATIONS

Mrs. Christie Houseman serves as a Project Engineer II (2) for Utility Service Co., Inc. She is an ambitious, hardworking, and dependable project engineer with four (4) years of experience in the municipal sector. Mrs. Houseman consistently completes projects within budget and ahead of schedule. She has also officially earned her Professional Engineer (P.E.) designation after passing the P.E. Exam in 2019. Mrs. Houseman specializes in supporting both municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet established deadlines, ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's many valued clients. Her extensive experience qualifies her to conduct the work associated with the requested services.

PROFESSIONAL EXPERIENCE

UTILITY SERVICE CO., INC.

Project Engineer II (2) — 2018–Present

- Prepare project designs, technical documents, drawings and permit applications
- Evaluate regulatory standards related to principle businesses and communicate with Operations and Service Centers to convey necessary utility renovations/rehabilitation
- Support implementation of Engineering Department strategies to standardize processes, procedures, and designs
- Work directly with State agencies to obtain approvals for proposed utility construction
- Assist utilities with project management of capital improvement projects

RINDT-MCDUFF ASSOCIATES, INC. (RMA)

Project Engineer I (1) – Municipal Water & Wastewater — 2017–2018

- Served the design and drafting needs of several project managers within the municipal water and wastewater team
- Developed construction designs, drawings and utility system maps
- Accompanied project managers on site visits, bid openings, and client meetings
- Assembled competitive proposals to win additional work for the team
- Prepared programs, reports, and ordinances, as requested by clients
- Coordinated with and provided instruction to electrical and mechanical subcontractors
- Worked with vendors to select equipment best-suited for project designs

INTEGRATED SCIENCE AND ENGINEERING, INC. (ISE)

Engineer I (1) – Water & Wastewater — 2016–2017

- Worked under the direction of project manager to address the research and design needs of both government and private clients
- Developed construction designs and drawings
- Conducted field investigations and prepare reports
- Participated in the research and selection of design equipment
- Prepared contract documents and technical specifications for bid
- Developed project cost estimates, as requested by client
- Secured all necessary permits, including—but not limited to—EPD permit for erosion, sedimentation, and pollution control, as well as railroad permits for utility crossings
- Assisted project manager in preparing preliminary assessments and designs to secure new company clients

KERRI DEFRIESS

CUSTOMER SERVICE MANAGER

YEARS OF EXPERIENCE

- 16 Years Total
- 16 Years in Customer Service
- One (1) Year in the Water and Wastewater Industry
- Seven (7) Years in Asset Maintenance
- 15 Years in Sales and Marketing
- 14 Years in Accounting, Finance, and Contract Management
- Seven (7) Years in Capital Projects and Expenses Management

EDUCATION

- B.B.A., Marketing, University of Georgia, 2004.

AREAS OF SPECIALIZATION

- Customer Service
- Sales
- Marketing
- Contract Management
- Accounting
- Finance
- Capital Projects
- Expenses Management
- Process Improvement
- Project Management

PROFESSIONAL CERTIFICATIONS

- Certified Apartment Manager (CAM)
- Real Estate License
- Fair Housing

PROFESSIONAL TRAINING

- First Aid

OFFICE ADDRESS

- 535 General Courtney Hodges Boulevard, Perry, GA 31069

KEY QUALIFICATIONS

Ms. Kerri deFriess serves as a Customer Service Manager for SUEZ Advanced Solutions | Utility Service Co., Inc. She is responsible for managing our team of Customer Account Specialists—who serve all SUEZ clients across all regions of the United States. Ms. deFriess specializes in supporting municipal and industrial water system clients with a sense of urgency to accomplish tasks in a timely manner and meet all established deadlines—ultimately providing specialized services in a method that will produce the high-quality results expected from our many valued clients. Her rather extensive experience qualifies her to conduct the work associated with the requested services.

PROFESSIONAL EXPERIENCE

SUEZ ADVANCED SOLUTIONS / UTILITY SERVICE CO., INC.

Customer Service Manager — 2020–Present

- Guide a team of Customer Account Specialists in evaluating client needs and encouraging a client-focused approach in problem solving
- Create and provide training resources and develop new tools to improve efficiency
- Collaborate with all other departments to streamline processes and develop or improve policies and procedures that ultimately improve our effectiveness in meeting client needs
- Create reporting to communicate client activity to upper management team and sales to provide data that will be of value in terms of trends, strategy, and financial impact

Site Management Coordinator — 2013–2020

- Contracted management for telecommunication collocations on water tower structures—including reviewing and processing contracts, amendments, exhibits, and addendums
- Performed accounts receivable (AR), accounts payable (AP), collections, reconciliations, and invoicing functions—in addition to managing annual, multi-million-dollar client split
- Streamlined processes and reduced costs in order to increase operational efficiency

ELEMENT NATIONAL MANAGEMENT / RAM PARTNERS, LLC

Property Manager — 2006–2013

- Performed all aspects of multi-family real estate management—including the staffing, finances, accounting functions, marketing, customer relations, vendor bids, negotiations, training, resolving conflicts, and capital project management
- Managed revenue and expenses to meet controllable net operating income (CNOI) goals and adhere to approved budgets
- Identified all new developments and evaluated existing competition to compare property performance and adjust business strategies to remain competitive

JOB CORPS

Career Transition Specialist — 2004–2006

- Provided post-program career services, transition assistance, and follow-up for the Job Corps graduates—servicing 70-100 graduates in up to 26 countries
- Evaluated the graduates' job skills and readiness and made recommendations for their successful transition into the workforce, school, or military
- Networked with local employers to facilitate placement opportunities for graduates

CAROLYN GRINER

CUSTOMER ACCOUNT SPECIALIST (NORTH REGION)

YEARS OF EXPERIENCE

- 25 Years Total

AREAS OF SPECIALIZATION

- Communication
- Interpersonal Skills
- Leadership
- Problem Solving
- Budget Planning
- Regulatory Reporting
- Regulatory Compliance
- Sense of Urgency
- Ability to Accomplish Tasks
- Ability to Meet Deadlines
- Strong Verbal Skills
- Strong Writing Skills
- Issue Assessment
- Proactive Solutions

SOFTWARE PROFICIENCIES

- Oracle Database
- Salesforce
- Microsoft Office
  - Microsoft Excel
  - Microsoft OneDrive
  - Microsoft Outlook
  - Microsoft PowerPoint
  - Microsoft SharePoint
  - Microsoft Teams
  - Microsoft Word

OFFICE ADDRESS

- 535 Courtney Hodges Boulevard, Perry, GA 31069

KEY QUALIFICATIONS

Ms. Carolyn Griner serves as a dedicated Customer Account Specialist (North Region) for SUEZ Advanced Solutions | Utility Service Co., Inc. She is responsible for providing all of the financial information based on each client's fiscal year to aid with budget planning. She also serves as the point of contact for emergency repairs and service requests outside of regularly scheduled maintenance work. Ms. Griner provides insurance, inspection reports, service records, contract documents, and safety information—as well as additional documentation to assist clients with all regulatory reporting and compliance. Mrs. Griner specializes in supporting both municipal and industrial water system clients with a sense of urgency to accomplish all tasks in a timely manner and meet established deadlines, ultimately providing specialized services in a method that will produce the high-quality results expected from SUEZ's valued clients. Her extensive experience qualifies her to conduct the work associated with the requested services.

PROFESSIONAL EXPERIENCE

SUEZ ADVANCED SOLUTIONS | UTILITY SERVICE CO., INC.

Customer Account Specialist (North Region) — **2019–Present**

- Respond to all client inquiries—external and internal—for information
- Provide additional support to Customer Service Team and Sales Team
- Provide customized support and specialized, effective solutions
- Keep client information current in IT systems and conduct proactive programs to ensure client satisfaction with products and service offerings
- Enter tasks in ERP (Oracle) and CRM (Salesforce) immediately after contact with client to ensure all departments have current info on clients.
- Prepare budget letters and send six (6) months prior to each client's fiscal year
- Provide forms of documentation to assist clients with regulatory reporting and compliance
- Prepare welcome letters to new clients
- Liaise with Sales Representatives to provide needed information to satisfy existing and prospective clients
- Incorporate salvaging efforts for clients considering canceling business
- Expedite the scheduling of any requested client meetings
- Liaise with Field Account Managers to ensure all needed actions are provided to satisfy clients' needs
- Follow up on complaints to ensure corrective actions are defined and the client is aware of our planned actions within 48 hours of complaint
- Liaise with Accounts Receivable and contact clients about delinquent billing
- Proactively contact clients according to standard operating procedures
- Prepare and monitor completion of needed addendums to contracts
- Liaise with the Operations Team—including Service Centers—as appropriate
- Perform administrative tasks for the department and the Sales Development Manager
- Provide reporting of Customer Service-related items to Manager on monthly basis
- Continually educate internal clients and peers on best practices

CERTIFICATE OF AUTHORITY

(STATE OF WISCONSIN)



United States of America

State of Wisconsin

DEPARTMENT OF FINANCIAL INSTITUTIONS

CERTIFICATE OF AUTHORITY or REGISTRATION

Issued to

U.S.C., INC. (FICT NAME) UTILITY SERVICE CO., INC. (CORP NAME)

an organization formed under the laws of **GEORGIA**,

authorizing the organization to transact business in this state, effective **December 28, 2001**,

as a

☐ Foreign limited liability partnership, under sec. 178.45, Wis. Stats.

☐ Foreign limited partnership, under sec. 179.82, Wis. Stats

☒ Foreign corporation, under sec. 180.1503, 180.1504, 181.1503 or 181.1504, Wis. Stats.

☐ Foreign limited liability company, under sec. 183.1004 or 183.1006, Wis. Stats.

Date of Issue: **January 7, 2002.**

RAY ALLEN, Administrator
Division of Corporate & Consumer Services
Department of Financial Institutions

See reverse for more information

DFI/CORP/22(R 2/00)

CERTIFICATE OF INSURANCE



ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 03/19/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER MARSH USA, INC. 445 SOUTH STREET MORRISTOWN, NJ 07962-1966 Attn: Morristown.CertRequest@marsh.com Fax: 212-948-0979 CN102425067-USG.-GAWUP-21-22	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED Suez Advanced Solutions, LLC Utility Service Co., Inc. PO Box 1350 Perry, GA 31069	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : Everest National Insurance Company — 10120 INSURER B : Everest Premier Insurance Company — 16045 INSURER C : Berkley Assurance Company — 39462 INSURER D : XL Insurance America, Inc. — 24554 INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** NYC-011065016-01 **REVISION NUMBER:** 2

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [X] POLICY [ ] PRO-JECT [ ] LOC OTHER:			RM5GL00017-211	01/01/2021	01/01/2022	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ 5,000,000 $ 5,000,000 $ 10,000 $ 5,000,000 $ 5,000,000 $ 5,000,000 $
A A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY			RM5CA00013-211 (AOS) FM5CA00025-211 (MA)	01/01/2021 01/01/2021	01/01/2022 01/01/2022	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ 5,000,000 $ $ $ $
D	X UMBRELLA LIAB [X] OCCUR EXCESS LIAB [ ] CLAIMS-MADE DED [X] RETENTION $ 10,000			US00097547LI21A	01/01/2021	01/01/2022	EACH OCCURRENCE AGGREGATE $	$ 2,000,000 $ 2,000,000 $
B B B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N [N] N / A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			RM5WC00021-211 (AOS) RM5WC00022-211 (MA, WI) RM5WC00047-211 (FL, ME, NJ)	01/01/2021 01/01/2021 01/01/2021	01/01/2022 01/01/2022 01/01/2022	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 2,000,000 $ 2,000,000 $ 2,000,000
C	CONTRACTORS POLLUTION AND ERRORS & OMISSIONS			PCAB-5013504-0321 SIR - $500,000	03/02/2021	01/01/2022	PER OCCURRENCE: AGGREGATE:	1,000,000 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

2021 Reservoir Mixers

Contractual Liability is included in General Liability subject to policy terms and conditions.

CERTIFICATE HOLDER

City of De Pere
ATTN: Scott J. Thoresen P.E., Director of Public Works
925 South Sixth Street
De Pere, WI 54115

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE of Marsh USA Inc.

Manashi Mukherjee Manashi Mukherjee

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AGENCY CUSTOMER ID: CN102425067
LOC #: Morristown

ADDITIONAL REMARKS SCHEDULE

AGENCY	NAMED INSURED
MARSH USA, INC.	Suez Advanced Solutions, LLC Utility Service Co., Inc. PO Box 1350 Perry, GA 31069
POLICY NUMBER	
CARRIER / NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

Excess Pollution
Carrier: Axis Surplus Insurance Company
Policy: ELZ651650/01/2021
Policy Dates: 3/2/2021 to 1/1/2022
Limits: $10,000,000 Aggregate: $10,000,000

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ISO 9001:2015 CERTIFICATION



BUREAU VERITAS
Certification

SUEZ ADVANCED SOLUTIONS

1230 PEACHTREE ST NE, SUITE 1100
ATLANTA, GA 30309 USA

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

PROVIDES REHABILITATION SERVICES AND ASSET MAINTENANCE PROGRAMS FOR MUNICIPAL AND INDUSTRIAL WATER DISTRIBUTION SYSTEMS

Original cycle start date: **January 12 2018**

Certification / Recertification cycle start date: **January 12 2018**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **January 11 2021**

Certificate No. ***US011018*** Version: **1**

Signed on behalf BVCH SAS – UK Branch

*Certification body address: **5th Floor, 66 Prescot Street, London E1 8HG, United Kingdom***
*Local office: **16800 Greenspoint Park Drive, Suite 300S, Houston, TX 77060***

*Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization. To check this certificate validity please call: **+(800) 937-9311***

UKAS MANAGEMENT SYSTEMS
0008

BUREAU VERITAS
Certification

SUEZ ADVANCED SOLUTIONS

APPENDIX TO CERTIFICATE NO. : US011018-1

ISO 9001:2015

Sites Certified

SITE	ADDRESS	SCOPE
SUEZ ADVANCED SOLUTIONS – HQ (UTILITY SERVICE)	1230 PEACHTREE ST NE, SUITE 1100 , ATLANTA, GA, 30309, USA	PROVIDES REHABILITATION SERVICES AND ASSET MAINTENANCE PROGRAMS FOR MUNICIPAL AND INDUSTRIAL WATER DISTRIBUTION SYSTEMS
PROCTOR, ARKANSAS – SERVICE SITE	12748 US HWY 70 , PROCTOR, AR, 72376, USA	CLEANING, BLASTING AND PAINTING
PERRY, GEORGIA – SERVICE SITE	141 HICKS DRIVE , PERRY, GA, 31069, USA	CLEANING, BLASTING AND PAINTING
NEW LENOX, ILLINOIS – SERVICE SITE	900 COUNTRY CREEK DR , NEW LENOX, IL, 60451, USA	CLEANING, BLASTING AND PAINTING
LOWELVILLE, OHIO – SERVICE SITE	6150 CENTER RD , LOWELVILLE, OH, 44436, USA	CLEANING, BLASTING AND PAINTING
PITTSBURG, KANSAS – SERVICE SITE	1259 S 220TH STREET , PITTSBURG, KS, 66762, USA	CLEANING, BLASTING AND PAINTING

Certificate No. ***US011018*** *Version:* **1**

Signed on behalf BVCH SAS – UK Branch

UKAS MANAGEMENT SYSTEMS
0008

Certification body address: ***5th Floor, 66 Prescot Street, London E1 8HG, United Kingdom***
Local office: ***16800 Greenspoint Park Drive, Suite 300S, Houston, Texas USA***

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.
To check this certificate validity please call: ***+(800) 937-9311***

BUREAU VERITAS
Certification

SUEZ ADVANCED SOLUTIONS

APPENDIX TO CERTIFICATE NO. : US011018-1

ISO 9001:2015

Sites Certified

SITE	ADDRESS	SCOPE
NEW YORK - BRIDGEWATER, MASSACHUSETS – SERVICE SITE	128 ELM STREET , BIRDGEWATER, MA, 02324, USA	CLEANING, BLASTING AND PAINTING
MA / MERITHEW – BRIDGEWATER, MASSACUSETS - INSPECTION	128 ELM STREET , BRIDGEWATER, MA, 02324, USA	CLEANING, INSPECTION
MADISON, NORTH CAROLINA – SERVICE SITE	200 OLD COVERED BRIDGE RD , MADISON, NC, 27025, USA	CLEANING, BLASTING AND PAINTING
CYPRESS, TEXAS – SERVICE SITE	16002 KITZMAN ROAD , CYPRESS, TX, 77429, USA	CLEANING, BLASTING AND PAINTING
ADMINISTRATIVE PERRY OFFICE	535 COURTNEY HODGES BLVD , PERRY, GA, 31069, USA	ADMINISTRATIVE
SAN JACINTO, CALIFORNIA – SERVICE SITE	711 W ESPLANDE AVE, STE G , SAN JACINTO, CA, 92582, USA	CLEANING, BLASTING AND PAINTING

Certificate No. ***US011018*** *Version:* **1**

Signed on behalf BVCH SAS – UK Branch

UKAS MANAGEMENT SYSTEMS
0008

Certification body address: ***5th Floor, 66 Prescot Street, London E1 8HG, United Kingdom***
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To check this certificate validity please call: ***+(800) 937-9311***

CASE STUDY

(MUNICIPAL AUTHORITY OF WESTMORELAND COUNTY, PA)



CASE STUDY
WATER TANK MIXING

Municipal Authority of Westmoreland, PA



Project Summary

Customer:
Municipal Authority of Westmoreland, PA

Type of Project:
Water quality and tank compliance focused projects adding PAX Mixings Systems and PowerVents to the systems distribution storage tanks

Date: 2017

Results:
- Maintained chlorine residual
- Prevented icing in winter
- Prevented stratification in summer
- Reduced disinfection byproducts (DBPs)



> **"This combined solution helps maintain a consistent residual disinfectant level along with a reduction in water age in our large regional storage tanks. It has also decreased disinfection byproducts."** - *Mark Stoner, Water Quality Superintendent*

Westmoreland County is located in Pennsylvania's Laurel Highlands, 30 miles southeast of downtown Pittsburgh and within 200 miles of major metropolitan areas like Baltimore, Cleveland and Washington, D.C. It is home to major companies like Kennametal, Elliott Group, Philips Respironics and Siemens. And it boasts a number of tourist attractions like Fort Ligonier, Historic Hanna's Town, West Overton Village and Bushy Run Battlefield.

The Municipal Authority of Westmoreland County (MAWC) provides water service and wastewater treatment for 125,000 of the county's 350,000 residents, maintaining 70 plus water tanks and three water treatment plants. In 2016, the authority launched a $130 million reinvestment program, including a water quality proactive initiative.



Staying proactive

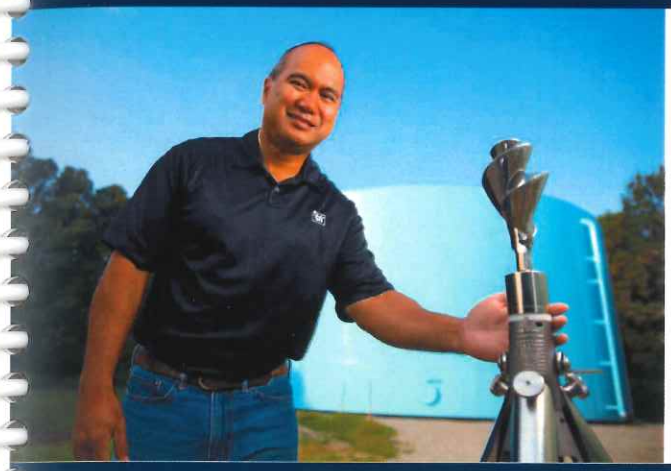
The county has always been very proactive in maintaining the quality of the drinking water it delivers to its customers.

As a result, the authority has always been in compliance with water quality standards enforced by the Pennsylvania Department of Environmental Protection (DEP).

However, MAWC recognized that those standards are constantly changing. And the authority wanted to make sure it complied with the regs and avoided the fines and other sanctions DEP could impose if it didn't.

"The comprehensive PAX solution we implemented allows us to accomplish our primary goal of maintaining excellent water quality and providing customers with safe and affordable drinking water." - *Mark Stoner, Water Quality Superintendent*





Dealing with stratification

The main issue the authority needed to deal with was stratification of the water in the tanks. And the problem was significant, according to Dan Frum, water system consultant for SUEZ Advanced Solutions. In a yearlong test, he says, temperatures varied by 10 degrees from the top of the tank to the bottom, enough to cause problems. Like icing in the winter or poor water quality in the summer that occurs when the chlorine disinfectant migrates to the bottom and leaves old water – with relatively low chlorine levels – at the top of the tank.

SUEZ proposed the installation of a PAX mixer to circulate water inside the tank and treat the entire volume, adding PAX Mixing/PowerVent Combo Systems to remove disinfection byproducts like trihalomethanes (THM) that accumulate in the tank headspace as the chlorine reacts with naturally occurring organic matter. In the test mentioned above, the PAX Mixing/PowerVent Combo Systems installed by SUEZ maintained a constant temperature equilibrium throughout the tank, keeping chlorine levels consistent and maximizing THM removal while minimizing cost.



Without tank mixing, there is significant temperature stratification – up to 10 degrees difference between the temperature at the top of the tank and the bottom of the tank.

Standardizing the approach

After a brief trial, the authority standardized on the PAX Mixing/PowerVent Combo solution and has equipped 30 of its 70 plus tanks with the updated technology. It plans to update the remaining tanks in the next few years.

As a result of the changes, the authority is providing better service and better water quality, while meeting DEP standards for minimum chlorine residual now and in the future.

In fact, the American Water Works Association recently recognized the authority for having the best tasting water in Pennsylvania.

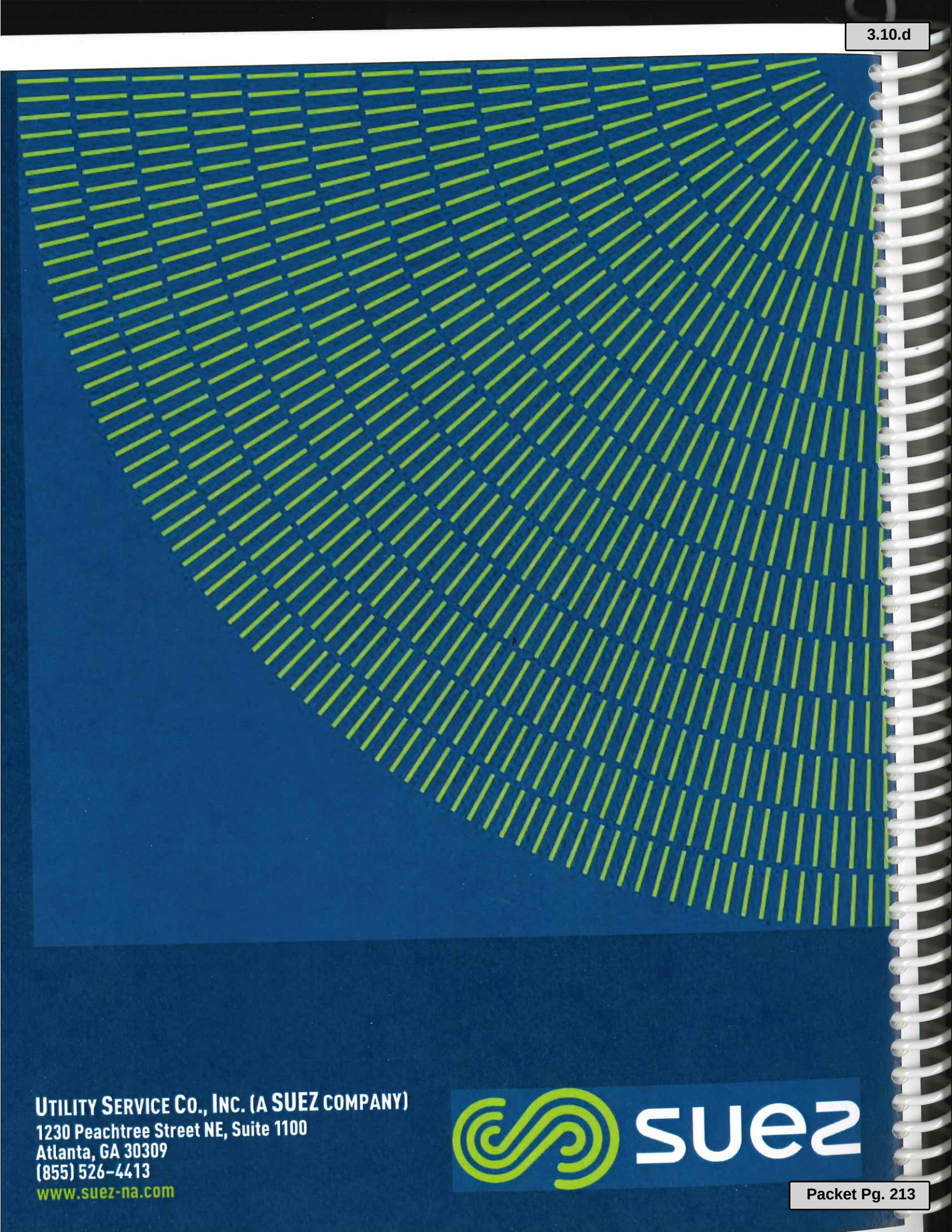


With the PAX PowerVent system, temperatures are much more consistent.

CS_MIX_Rev0_2017 | © Utility Service Co., Inc.

Utility Service Co., Inc.
1230 Peachtree Street, NE
Suite 1100 | Promenade Building
Atlanta, GA 30309
Tel: 855-526-4413 | www.utilityservice.com

suez



UTILITY SERVICE CO., INC. (A SUEZ COMPANY)
1230 Peachtree Street NE, Suite 1100
Atlanta, GA 30309
(855) 526-4413
www.suez-na.com

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE: **April 12, 2021**

DEPARTMENT: **Public Works**

FROM: **Scott Thoresen**

SUBJECT: **Consideration and possible action on Leak Detection Survey***

The City currently is experiencing approximately an 18% water loss per the 2019 Public Service Commission report in the system. In order to determine where the water loss is, staff has requested proposals from firms that perform leak detection surveys. The intent of the survey is to locate where the leaks are in the system so that they can be fixed and reduce our water loss. The last leak detection survey was done in 2019 which found 22 leaks for an estimated loss of 64.6 gallons per minute. Estimated annual savings once leaks were repaired was $168,410.

During our planning of this project, staff talked to other communities in the area to see if they had any plans for performing a leak detection survey for the upcoming year. It turns out that the Village of Allouez and the Village of Bellevue intended to do the same. Therefore, the City bid this project as a joint project with the Village of Allouez and the Village of Bellevue (See attached proposal) The intent of bidding the projects together were to try to achieve some cost savings for each community.

Staff solicited six (6) companies for proposals and has received (See attached proposals received) the following quotes for performing the leak detection survey:

Ferguson Waterworks Services, Appleton, WI	= $ 17,500
ME Simpson Company, Waukegan, IL	= $ 65,884.50
AECOM, Milwaukee, WI	= No Bid
Utility Service Associates, Seattle, WA	= No Bid
Westrum Leak Detection, Stratford, IA	= No Bid
Waterworks Services, Wausau, WI	= No Bid

After reviewing the proposals, it is recommended that City hire Ferguson Waterworks Services, of Appleton, WI to perform the water leak detection survey in the amount of $ 17,500. The funding for this project was approved under the 2021 water utility budget under capital projects in the amount of $30,000.

If you should have any questions or concerns regarding this matter, feel free to contact my office.

ATTACHMENTS:

- 2021 Leak Detection RFP (DOC)
- Consultant Agreement Template 12-8 -2020 (PDF)
- Ferguson Proposal (PDF)
- M.E. Simpson Proposal (PDF)

CITY OF DE PERE

Public Works Department

925 S. Sixth Street, De Pere, WI 54115 | 920-339-4060 | www.de-pere.org

February 22, 2021

RE: Request for Proposals
2021 Leak Detection Survey

The Village of Allouez, Village of Bellevue, and the City of De Pere are requesting a proposal from your firm to perform a comprehensive leak detection survey for the water distribution system in each community. The work under this proposal includes the labor and equipment to undertake the leak detection survey for each community to pinpoint any and all leaks on the water mains, valves, hydrants, service boxes, and services of the distribution system listed for each community under "system description".

Village of Allouez System Description

Watermain Material Type	Feet
AC	56,901
Metal	86,398
PVC	195,150
TOTAL=	**338,449**

Village of Bellevue East Side System Description

Type of Main	Size	Footage
AC	4"	173.8
AC	6"	6,084.12
AC	8"	13,332.82
AC	10"	14,296.16
AC	12"	1,221.55
AC	14"	2,559.31
CAST	4"	3.4
CAST	10"	1,994.03
CAST	14"	1,383.83

DI	8"	950.42
DI	10"	247.8
PVC	6"	16,035.06
PVC	8"	82,869.29
PVC	10"	23,662.12
PVC	12"	6,465.49
PVC	16"	5,791.37
PVC	20"	487
TOTAL		**177557.57**

Hydrants	397
Curb Stops	2,041
Water Valves	798
Water Laterals	3,382

City of De Pere System Description

Watermain Diameter			**Watermain Material**	
Diameter	**Feet**		**Type**	**Feet**
4” or less	12,519		Asbestos Cement	6,248
6”	156,197		Cast Iron	148,410
8”	209,512		Ductile Iron	143,556
10”	100,350		PVC	332,532
12”	147,659		Unknown	1,785
16”	6,294			
TOTAL=	**632,531**		**TOTAL=**	**632,531**

Hydrants	1,314
Curb Stops	7,494
Water Valves	2,143

Scope of Work:

1. Review existing water distribution system maps, street maps, and pertinent water system reports for each community.

2. Contractor shall utilize equipment and methodology to listen and identify potential leaks on Water Utility’s distribution system as listed above under “system description”. All equipment used will be non-intrusive. The leak detection survey shall include the water main, valves, hydrants, services, and curb boxes. Contact shall be made with pipe

appurtenances at intervals no greater than 350 feet where contact points are available and accessible. All hydrants and main line valves shall be listened to. All water services shall be listened to including 100% of the curb boxes which includes those on the PVC portion of the distribution system.

3. Contractor is responsible to provide all equipment, manpower, materials, and transportation required to conduct accurate leak detection survey.

4. The Contractor shall conduct the leak detection survey with limited disruption to the current operation of the Water Utility's water distribution system. The Contractor shall coordinate the survey with the Water Utility. The Water Utility staff shall operate all valves, hydrants, and curb stops.

5. The Contractor shall conduct the leak detection survey with minimal disruption to traffic. The Contractor personnel shall comply with all traffic regulations and Manual of Uniform Traffic Control Device requirements for working within the street.

6. With prior approval, the Contractor is permitted to perform the leak detection survey during weekends and abnormal working hours, to avoid heavy traffic and/or noise. Note that the Water Utility is only available to provide guidance and answer questions during the following hours:

    - Village of Allouez: Monday – Thursday 6:30 AM to 3:30 PM; Friday 6:30 AM to 10:30 AM

    - Village of Bellevue: Monday – Friday 7:00 AM to 3:30 PM

    - City of De Pere: Monday – Friday 7:00 AM to 3:30 PM

7. When a leak is suspected on a water service, the Water Utility shall turn off the water at the curb stop box and the contractor shall listen to determine if the leak is on the homeowner's side of the curb box.

8. Contractor shall prepare an inventory of defective system components such as valves, hydrants, meters, and curb stops, which are noted in the course of field investigation and activities. Contractor shall also note any map errors in the course of carrying out the leak detection survey.

9. The contractor shall prepare a final report showing the results of the leak detection and location survey. The report shall include a summary of the project and a list of leakage located by type, location, and estimated quantity of leakage. The final report will contain recommendations for future work based on the results of this survey.

10. The proposal should reflect the necessary effort to perform the above-mentioned work and any additional efforts the firm feels are necessary to complete the project.

Payment:

Payment shall be made when the following conditions have been met:

1) The Water Utility has received the final report showing the results of the leak detection survey.

2) A detailed invoice is submitted to Water Utility for the work has been completed.

Schedule:

It is intended that the entire water distribution system be surveyed in one mobilization for each Water Utility. The survey for each Water Utility shall be completed by September 30, 2021.

Indemnification:

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify, and hold harmless the Water Utility of each municipality, its officials, agents and employees against all injuries, deaths, loss, damages, claims, patent claims, suits, liabilities, judgments, cost and expenses, which may in any way accrue against the Water Utility of each municipality, its officials, agents, employees and volunteers arising in whole or in part or in consequence of the performance of this work by the Contractor, its employees, or subcontractors, or which may in any way result therefore, except that arising out of the sole legal cause of the Water Utility of each municipality, its officials, agents, or employees, the Contractor shall, at its own expense appear, defend, and pay all charges of attorneys and all costs and other expenses arising therefore or incurred in connection therewith, and, if any judgment shall be rendered against the municipality, its officials, agents, and employees, in any such action, the Contractor shall, at its own expense, satisfy and discharge the same. Contractor expressly understands and agrees that any performance bond or insurance protection required by the contract, or otherwise provided by contractor, shall in no way limit the responsibility to indemnify, keep and save harmless, and defend the Water Utility of each municipality as herein provided.

Insurance Requirements:

The firm shall be required to provide the following minimum public liability and property damage insurance to cover claims for injuries, including accidental death, as well as from claims for property damages which may arise from the performance of work as stated below:

1. Comprehensive general liability insurance, including personal injury liability, blanket contractual liability and broad form property damage liability. The combined single limit for bodily injury and property damage shall not be less than $1,000,000; with additional umbrella liability insurance coverage to a total of not less than $2,000,000.

2. Automobile bodily injury and property damage liability insurance covering owned, non-owned, rented and hired cars. The combined single limit for bodily injury and property damage shall be not less than $1,000,000.

3. Statutory workers compensation and employers' liability insurance as required by the state having jurisdiction.

4. Professional liability insurance covering damages resulting from errors and omissions of the Consultant. The limit of liability shall be $1,000,000 or the total engineers and/or surveyor's fee on the project, whichever is greater.

Additional Information:

- Sample consultant agreement is attached

All proposals should include the following information:

1) Description of Methodology: The proposals must include a brief description of the methodology proposed to perform the leak detection survey. The description should include a description of the technology and equipment to be used to detect the leak (acoustic, ultrasonic, tracer, etc.) and the means to estimate leak volume. Include any innovative methods and their benefit to the project.

2) References: The proposals shall include the Contractor's experience. At a minimum, three (3) similar projects shall be included as references.

3) Cost: Firm shall submit prices on proposal sheets for each community provided with this proposal to complete all work mentioned above.

4) Schedule: Firm shall submit the number of days to complete the survey and the anticipated start date on proposal sheet for each community provide with this proposal to complete all work mentioned above.

Sealed proposals marked **"2021 Leak Detection Survey"** on envelope is to be delivered or mailed to:

Scott J. Thoresen P.E.,
Director of Public Works
City of De Pere
925 South Sixth Street
De Pere, WI 54115

All proposals shall be received no later than 2 p.m. Central Standard Time on March 31, 2021.

The Village of Allouez, Village of Bellevue, and City of De Pere reserves the right to reject any or all proposals, to waive any informality in bidding and to accept any proposal which the respective City Council or Village Boards deems most favorable to the best interest of their community;

If you have any questions regarding Village of Allouez's water distribution system or leak detection survey please call Mike Mahloch, Water Foreman, at (920)-621-8745.

If you have any questions regarding Village of Bellevue's water distribution system or leak detection survey please call Shawn Geiger at (920) 593-5517.

If you have any questions regarding City of De Pere's water distribution system leak detection survey, or this proposal, please call Eric Zygarlicke at (920) 339-4063.

Questions may also be emailed to sthoresen@deperewi.gov.

Sincerely,

DEPARTMENT OF PUBLIC WORKS

Scott Thoresen, P.E.
Director of Public Works

Village of Allouez Water Utility
2021 Leak Detection Survey Proposal

The following proposal is submitted to: Village of Allouez Water Utility, in accordance with the written proposal to furnish all labor, materials, tools, equipment and incidentals necessary to perform a water distribution leak detection survey

The undersigned FIRM agrees, if this proposal is accepted, to enter into an agreement with the Village of Allouez to perform and furnish all work as specified in this proposal. The undersigned firm will meet and adhere to the Village of Allouez's requirements as indicated in the proposal.

Based on the details provided in this proposal, the undersigned firm agrees they are able to meet the Village of Allouez's requirements and that the prices for the leak detection survey to meet said requirements are as follows:

Lump Sum Price for Leak Detection Survey: $ _____

_____
Name of Firm

_____
Address of Firm

_____
Telephone Number

_____
Fax Number

_____
Email Address

The undersigned bidder, being duly sworn, does depose and say that he is an authorized

representative of:_____ and that the said bidder has examined and carefully prepared his bid from the Proposal Requirements, and has checked the same in detail before submitting said proposal or bid; and that said bidder or his agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in an collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

_____	_____
Signature of Bidder	Date
_____	_____
Print or Type Name of Bidder	Title
_____	_____
Signature of Owner	Date
_____	_____
Print or Type Name of Owner	Title

Estimated Start Date: _____

Estimated Work Days to Complete: _____

Village of Bellevue Water Utility
2021 Leak Detection Survey Proposal

The following proposal is submitted to: Village of Bellevue Water Utility, in accordance with the written proposal to furnish all labor, materials, tools, equipment and incidentals necessary to perform a water distribution leak detection survey

The undersigned FIRM agrees, if this proposal is accepted, to enter into an agreement with the Village of Bellevue to perform and furnish all work as specified in this proposal. The undersigned firm will meet and adhere to the Village of Bellevue's requirements as indicated in the proposal.

Based on the details provided in this proposal, the undersigned firm agrees they are able to meet the Village of Bellevue's requirements and that the prices for the leak detection survey to meet said requirements are as follows:

Lump Sum Price for Leak Detection Survey: $ _____

_____
Name of Firm

_____
Address of Firm

_____
Telephone Number

_____
Fax Number

_____
Email Address

The undersigned bidder, being duly sworn, does depose and say that he is an authorized

representative of:_____ and that the said bidder has examined and carefully prepared his bid from the Proposal Requirements, and has checked the same in detail before submitting said proposal or bid; and that said bidder or his agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in an collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

_____ _____

Signature of Bidder Date

_____ _____

Print or Type Name of Bidder Title

Estimated Start Date: _____

Estimated Work Days to Complete: _____

City of De Pere Water Utility
2021 Leak Detection Survey Proposal

The following proposal is submitted to: City of De Pere Water Utility, in accordance with the written proposal to furnish all labor, materials, tools, equipment and incidentals necessary to perform a water distribution leak detection survey

The undersigned FIRM agrees, if this proposal is accepted, to enter into an agreement with the City of De Pere to perform and furnish all work as specified in this proposal. The undersigned firm will meet and adhere to the City of De Pere's requirements as indicated in the proposal.

Based on the details provided in this proposal, the undersigned firm agrees they are able to meet the City of De Pere's requirements and that the prices for the leak detection survey to meet said requirements are as follows:

Lump Sum Price for Leak Detection Survey: $ _____

_____
Name of Firm

_____
Address of Firm

_____
Telephone Number

_____
Fax Number

_____
Email Address

The undersigned bidder, being duly sworn, does depose and say that he is an authorized

representative of:_____ and that the said bidder has examined and carefully prepared his bid from the Proposal Requirements, and has checked the same in detail before submitting said proposal or bid; and that said bidder or his agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in an collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

_____ _____

Signature of Bidder Date

_____ _____

Print or Type Name of Bidder Title

Estimated Start Date: _____

Estimated Work Days to Complete: _____

AGREEMENT FOR SERVICES BETWEEN THE
CITY OF DE PERE AND _____(CONSULTANT NAME)_____
(Project Name)

THIS AGREEMENT made and entered into this ___ day of _____, 2021, by and between the City of De Pere, a Wisconsin municipal corporation ("City"), and _____ _____("Consultant").

WITNESSETH

WHEREAS, the City is in need of_____(project description)_____ _____; and

WHEREAS, the Consultant has available and offers to provide qualified personnel and facilities necessary to accomplish the work within the required timeframe.

NOW THEREFORE, City and Consultant agree as follows:

I. DESCRIPTION OF PROJECT

The project is as described in the __(date)___ City Request for Proposals (Exhibit A) and Consultant's Proposal thereto dated (date)__ (Exhibit B), both of which are attached hereto and incorporated by reference. If a conflict exists between Exhibit A and Exhibit B, the terms of Exhibit A shall prevail. If there is a conflict between the terms and conditions of Exhibit A and this Agreement, the terms of this Agreement shall prevail. No standard terms or conditions of Consultant's Proposal are incorporated into this Agreement unless such term is specifically written into the Agreement.

If, during the course of performing the work, City and Consultant agree that it is necessary to make changes in the project as described in the exhibits, such changes will be incorporated into this Agreement only by written amendment, signed by the parties.

II. SCOPE OF CONSULTING SERVICES

Consultant agrees to perform those services described Exhibits A and B. Any change to the scope of services as identified therein shall be defined in writing and authorized by both parties prior to performing such work. Such writing shall include the scope of work to be done, schedule for commencing and completing the work and the basis for compensation for such work.

SAMPLE

III. SCOPE OF CITY SERVICES

City agrees to provide the Consultant items such as existing plans, standard specifications, and other information concerning the project that may be applicable in the design of the project, as are available.

IV. AUTHORIZATION, PROGRESS, AND COMPLETION

In signing this Agreement, the City grants the Consultant specific authorization to proceed with the work described herein.

For special services, the authorization by the City shall be in writing and shall include the definition of the work to be done, the schedule for commencing and completing the work, and the basis for compensation for the work, all as agreed upon by the City and the Consultant.

V. OWNERSHIP AND FORM OF DOCUMENTS

All documents created, maintained or received during the course of this Agreement, including those in electronic form, shall be deemed the property of City and Consultant shall not be considered the owner of any such document nor shall the Consultant retain any common law, statutory, or other right therein, including copyright, patent, or trademark. To that end, Consultant agrees to and hereby does assign and transfer to City all rights, title, and other interests in such drawings, specifications, or other documents, which rights shall include copyright, trademark, or patent rights therein, unless City fails to pay Consultant for such drawings, specifications and other documents, in which case the ownership and all rights shall revert to the Consultant.

City hereby grants Consultant a non-exclusive license to use the documents created pursuant to this Agreement, including any standard details used herein.

Consultant acknowledges that, as the Consultant to City, a Wisconsin municipality, Wis. Stats. §19.36(3) applies to it and records produced by it pursuant to this contract are subject to the public records law to the extent they would otherwise be if maintained by the City. Consultant agrees that, within 10 business days of a written request of City, it shall forward to City any such contract or records maintained by Consultant as are requested by City. Such records shall be in the format requested by City provided that such records are kept and maintained in that format. City shall reimburse Consultant for its reasonable costs incurred in complying with this paragraph.

Consultant further agrees to indemnify the City from all costs City incurs should Consultant fail to comply with these requirements.

SAMPLE

VI. CONFIDENTIALITY OF INFORMATION

Consultant understands that, during the course of work under this contract, Consultant may become privy to confidential information of City. Consultant shall maintain the confidentiality of all information specifically designated confidential by City unless withholding such information would violate the law, create a significant harm to the public, or create a risk of significant harm to the public.

VII. TIME FOR COMPLETION

The parties hereto agree that time is of the essence in completion of the project. Should Consultant encounter any circumstances, which, in the Consultant's opinion, will delay their response time, Consultant shall so inform the City as soon as the delay in response time is known.

VIII. COMPENSATION

The City agrees to pay, and the Consultant agrees to accept, compensation as identified in Exhibit B, to be paid in a lump sum at the conclusion of the work. Payment to the Consultant is due upon receipt of invoice by the City. Compensation for special services shall be as agreed upon by the City and Consultant and set forth in the written authorization for special services.

IX. RESPONSIBILITY OF CONSULTANT

The Consultant is employed to render a professional service only, and any payments made to the Consultant are compensation solely for such services rendered and recommendations made in carrying out the work. The Consultant shall follow the practice of its profession to make findings, opinions, factual presentations, and professional advice and recommendations, consistent with the standard of care expected of professionals in the industry performing similar services on projects of like size and complexity.

X. NON-DISCRIMINATION

The Consultant agrees that, in performing under this Agreement with the City, it will not discriminate against any employee, applicant for employment or any other person or member of the public on the basis of age, race, creed, color, disability, marital status, sex, national origin, ancestry, arrest record, conviction record, military service, use or non-use of lawful products off the employer's premises during nonworking hours, declining to attend a meeting or to participate in any communication about religious matters or political matters, or any other basis provided under Wis. Stats. §111.321.

XI. INSURANCE

A. The Consultant shall maintain during the life of the Agreement, the following

SAMPLE

minimum public liability and property damage insurance to cover claims for injuries, including accidental death, as well as from claims for property damages which may arise from the performance of work under the Agreement as stated below:

1. Comprehensive general liability insurance, including personal injury liability, blanket contractual liability and broad form property damage liability. The combined single limit for bodily injury and property damage shall not be less than $1,000,000; with additional umbrella liability insurance coverage for a total of not less than $2,000,000.

2. Automobile bodily injury and property damage liability insurance covering owned, non-owned, rented and hired cars. The combined single limit for bodily injury and property damage shall be not less than $1,000,000.

3. Statutory workers compensation and employers' liability insurance as required by the state having jurisdiction.

4. Professional liability insurance covering damages resulting from errors and omissions of the Consultant. The limit of liability shall be $1,000,000 or the total consultant's fee on the project, whichever is greater.

B. Proof of Insurance. The Consultant shall furnish the City with a Certificate of Insurance and additional insured endorsement countersigned by a Wisconsin Resident Agent or Authorized Representative of the insurer indicating that the Consultant meets the insurance requirements identified above. The Certificate of Insurance shall include a provision prohibiting cancellation of said policies except upon 30 days' prior written notice to the City and shall name the City as an additional insured under Consultant's general and professional liability policies for the specific contract or project covered. A copy of the Certificate of Insurance and endorsement shall be delivered to the City prior to execution of the agreement for final approval.

XII. ALLOCATION OF RISKS

To the fullest extent permitted by law, the Consultant shall indemnify and hold harmless the City, City's officers, directors, partners, and employees from and against any and all costs, losses, and damages (including, but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) caused by the negligent acts or omissions of Consultant or Consultant's officers, directors, partners, employees, and Consultant's Consultants in the performance and furnishing of Consultant's services under this Agreement.

To the fullest extent permitted by law, Consultant's total liability to City and anyone claiming by, through or under City for any cost, loss or damages caused in part by the negligence of Consultant or Consultant's subcontractor and in part by the negligence of City or

SAMPLE

any other negligent entity or individual, shall not exceed the percentage share that Consultant's or Consultant's subcontractor negligence bears to the total negligence of City, Consultant and all other negligent entities and individuals.

XIII. SUBCONTRACTS

The Consultant shall obtain the written consent of the City prior to subcontracting any portion of the work to be performed under this project. The Consultant shall be responsible to the City for the actions of person and firms performing subcontract work.

XIV. ASSIGNMENT

This Agreement is binding on the heirs, successors, and assigns of the parties hereto. This Agreement is not to be assigned by either the City or Consultant without the prior written consent of the other.

XV. INTEGRATION

This Agreement represents the entire understanding of the City and Consultant as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered hereunder. This Agreement may not be modified or altered except in writing signed by both parties.

XVI. JURISDICTION

This Agreement shall be administered and interpreted under the laws of the State of Wisconsin. Jurisdiction of litigation arising from this Agreement shall be in that state. If any part of this Agreement is found to be in conflict with applicable laws, such part shall be inoperative, null and void insofar as it is in conflict with said laws, but the remainder of this Agreement shall be in full force and effect.

XVII. SUSPENSION OF WORK

The City may suspend, in writing, all or a portion of the work under this Agreement in the event unforeseen circumstances beyond the control of the Consultant make normal progress in the performance of the work impossible. The Consultant may request that the work be suspended by notifying the City, in writing, of circumstances which are interfering with normal progress of the work. If agreed, the time for completion of the work shall be extended by the number of days the work is suspended. In the event that the period of suspension exceeds 90 days, the terms of this Agreement are subject to renegotiation and both parties are granted the option to terminate work on the suspended portion of the project in accordance with Article XVIII.

SAMPLE

XVIII. TERMINATION OF WORK

The City may terminate all or a portion of the work covered by this Agreement for its convenience. Either the City or the Consultant may terminate work in the event the other party fails to perform in accordance with the provisions of this Agreement. Termination of this Agreement is accomplished by 15 days prior written notice from the party initiating termination to the other. Notice of termination shall be delivered by certified mail with receipt for delivery returned to the sender.

In the event of termination, the Consultant shall perform such additional work as is necessary for the orderly filing of documents and closing of the project. The additional time for filing and closing shall not exceed 10 percent of the total time expended on the completed portion of the project prior to the effective date of termination.

The Consultant shall be compensated for the completed portion of the work on the basis of work actually performed prior to the effective date of termination plus the work required for filing and closing. Charges for the latter work are subject to the 10 percent limitation described in this Article.

XIX. MEDIATION

All claims, disputes and other matters in question between the parties of this Agreement arising out of or relating to this Agreement or breach thereof, which are not disposed of by mutual agreement of the parties, shall be subject to mediation as a condition precedent to the institution of legal proceedings by either party. If such claim, dispute or other matter involves a lien arising out of the Consultant's services, the Consultant may proceed in accordance with applicable law to comply with lien notice and filing deadlines prior to resolution of the matter by mediation.

The City and Consultant shall attempt to resolve claims, disputes and other matters in question between them by mediation. A request for mediation shall be filed in writing with the other party to this Agreement. The request may be made concurrently with the filing of a civil action, but mediation shall proceed in advance of legal proceedings.

The parties shall share the mediator's and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

XX. NOTICES

Any notification required or needed under the contract shall be sent via First Class Mail to the following:

SAMPLE

If to City:

If to Consultant:

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written.

(COMPANY NAME) CITY OF DE PERE, WISCONSIN

By: _____ By: _____
Name: _____ James G. Boyd, Mayor

By: _____ By: _____
Name: _____ Carey E. Danen, City Clerk

J:\Law\Agreements\Consultant Agreement Template12-8-20.docx

SAMPLE

DAVIES WATER
A division of
FERGUSON
a WOLSELEY company

Leak Detection Survey Proposal

3/29/2021

A. Scope

Services to be provided for the project are as follows:

1. Conduct a leak detection and location survey with **sonic detection equipment and computer correlation equipment** on the entire water distribution system. The survey will be conducted utilizing the following two methods

2. After the initial sonic leak survey of a portion of the system is completed, indications of leaks will be verified a second time, after which leaks will be located with a computer programmed leak correlator

3. This survey will be conducted primarily during normal working hours with additional leak detection being conducted during late evening and/or early morning hours in areas of high traffic volume.

4. A daily report of any leaks will be provided. Hydrant leaks will need to be fixed in a timely manner so areas may be rechecked for underlying leaks.

5. Prepare a final report with the results of our findings. The final report will contain recommendations for future work based on the results of this survey. An estimated water loss will be given this will be based on experience, type of leak and pressure of main. **Note**. GPM is an estimate only.

B. Client's Responsibilities Apply for all Scopes of work.

DAVIES WATER
A division of
FERGUSON
a WOLSELEY company

3-29-2021

Experience.
John Paalman **23 years in water leak detection. Plastic and iron**
Steve Neumann **17 years in water leak detection. Plastic and iron**

CUSTOMER REFERENCES

Mark Nollenburg	Waupaca Water	715-258-4423
Bill Caberly	Nekoosa Water	715-459-1857
Eric Zagyrlicke	Depere Water	920-574-1443
Travis Thull	West Bend	262-483-4186
Vance Henning	Brandon Water Utilities	920-960-9727

More references available upon request.

More references available upon request.

Sincerely,

John Paalman
Davies Services

Client, at its expense, shall provide Davies Services the following information and assistance in a timely manner so as not to delay the project.

1. All available street maps, water distribution system maps, available plans of existing facilities, and similar information which may be required for the project.

2. Clearly mark and provide access to valves and curb stops by uncovering and cleaning valves and curb boxes where required prior to initiation of field activities.

Best regards,

John Paalman
Division Manager

CITY OF DE PERE

Public Works Department

925 S. Sixth Street, De Pere, WI 54115 | 920-339-4060 | www.de-pere.org

February 22, 2021

RE: Request for Proposals
2021 Leak Detection Survey

The Village of Allouez, Village of Bellevue, and the City of De Pere are requesting a proposal from your firm to perform a comprehensive leak detection survey for the water distribution system in each community. The work under this proposal includes the labor and equipment to undertake the leak detection survey for each community to pinpoint any and all leaks on the water mains, valves, hydrants, service boxes, and services of the distribution system listed for each community under "system description".

Village of Allouez System Description

Watermain Material Type	Feet
AC	56,901
Metal	86,398
PVC	195,150
TOTAL=	**338,449**

Village of Bellevue East Side System Description

Type of Main	Size	Footage
AC	4"	173.8
AC	6"	6,084.12
AC	8"	13,332.82
AC	10"	14,296.16
AC	12"	1,221.55
AC	14"	2,559.31
CAST	4"	3.4
CAST	10"	1,994.03
CAST	14"	1,383.83

DI	8"	950.42
DI	10"	247.8
PVC	6"	16,035.06
PVC	8"	82,869.29
PVC	10"	23,662.12
PVC	12"	6,465.49
PVC	16"	5,791.37
PVC	20"	487
TOTAL		**177557.57**

Hydrants	397
Curb Stops	2,041
Water Valves	798
Water Laterals	3,382

City of De Pere System Description

Watermain Diameter			**Watermain Material**	
Diameter	**Feet**		**Type**	**Feet**
4" or less	12,519		Asbestos Cement	6,248
6"	156,197		Cast Iron	148,410
8"	209,512		Ductile Iron	143,556
10"	100,350		PVC	332,532
12"	147,659		Unknown	1,785
16"	6,294			
TOTAL=	**632,531**		**TOTAL=**	**632,531**

Hydrants	1,314
Curb Stops	7,494
Water Valves	2,143

Scope of Work:

1. Review existing water distribution system maps, street maps, and pertinent water system reports for each community.

2. Contractor shall utilize equipment and methodology to listen and identify potential leaks on Water Utility's distribution system as listed above under "system description". All equipment used will be non-intrusive. The leak detection survey shall include the water main, valves, hydrants, services, and curb boxes. Contact shall be made with pipe

appurtenances at intervals no greater than 350 feet where contact points are available and accessible. All hydrants and main line valves shall be listened to. All water services shall be listened to including 100% of the curb boxes which includes those on the PVC portion of the distribution system.

3. Contractor is responsible to provide all equipment, manpower, materials, and transportation required to conduct accurate leak detection survey.

4. The Contractor shall conduct the leak detection survey with limited disruption to the current operation of the Water Utility's water distribution system. The Contractor shall coordinate the survey with the Water Utility. The Water Utility staff shall operate all valves, hydrants, and curb stops.

5. The Contractor shall conduct the leak detection survey with minimal disruption to traffic. The Contractor personnel shall comply with all traffic regulations and Manual of Uniform Traffic Control Device requirements for working within the street.

6. With prior approval, the Contractor is permitted to perform the leak detection survey during weekends and abnormal working hours, to avoid heavy traffic and/or noise. Note that the Water Utility is only available to provide guidance and answer questions during the following hours:

    - Village of Allouez: Monday – Thursday 6:30 AM to 3:30 PM; Friday 6:30 AM to 10:30 AM
    - Village of Bellevue: Monday – Friday 7:00 AM to 3:30 PM
    - City of De Pere: Monday – Friday 7:00 AM to 3:30 PM

7. When a leak is suspected on a water service, the Water Utility shall turn off the water at the curb stop box and the contractor shall listen to determine if the leak is on the homeowner's side of the curb box.

8. Contractor shall prepare an inventory of defective system components such as valves, hydrants, meters, and curb stops, which are noted in the course of field investigation and activities. Contractor shall also note any map errors in the course of carrying out the leak detection survey.

9. The contractor shall prepare a final report showing the results of the leak detection and location survey. The report shall include a summary of the project and a list of leakage located by type, location, and estimated quantity of leakage. The final report will contain recommendations for future work based on the results of this survey.

10. The proposal should reflect the necessary effort to perform the above-mentioned work and any additional efforts the firm feels are necessary to complete the project.

Payment:

Payment shall be made when the following conditions have been met:

1) The Water Utility has received the final report showing the results of the leak detection survey.

2) A detailed invoice is submitted to Water Utility for the work has been completed.

Schedule:

It is intended that the entire water distribution system be surveyed in one mobilization for each Water Utility. The survey for each Water Utility shall be completed by September 30, 2021.

Indemnification:

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify, and hold harmless the Water Utility of each municipality, its officials, agents and employees against all injuries, deaths, loss, damages, claims, patent claims, suits, liabilities, judgments, cost and expenses, which may in any way accrue against the Water Utility of each municipality, its officials, agents, employees and volunteers arising in whole or in part or in consequence of the performance of this work by the Contractor, its employees, or subcontractors, or which may in any way result therefore, except that arising out of the sole legal cause of the Water Utility of each municipality, its officials, agents, or employees, the Contractor shall, at its own expense appear, defend, and pay all charges of attorneys and all costs and other expenses arising therefore or incurred in connection therewith, and, if any judgment shall be rendered against the municipality, its officials, agents, and employees, in any such action, the Contractor shall, at its own expense, satisfy and discharge the same. Contractor expressly understands and agrees that any performance bond or insurance protection required by the contract, or otherwise provided by contractor, shall in no way limit the responsibility to indemnify, keep and save harmless, and defend the Water Utility of each municipality as herein provided.

Insurance Requirements:

The firm shall be required to provide the following minimum public liability and property damage insurance to cover claims for injuries, including accidental death, as well as from claims for property damages which may arise from the performance of work as stated below:

1. Comprehensive general liability insurance, including personal injury liability, blanket contractual liability and broad form property damage liability. The combined single limit for bodily injury and property damage shall not be less than $1,000,000; with additional umbrella liability insurance coverage to a total of not less than $2,000,000.

2. Automobile bodily injury and property damage liability insurance covering owned, non-owned, rented and hired cars. The combined single limit for bodily injury and property damage shall be not less than $1,000,000.

3. Statutory workers compensation and employers' liability insurance as required by the state having jurisdiction.

4. Professional liability insurance covering damages resulting from errors and omissions of the Consultant. The limit of liability shall be $1,000,000 or the total engineers and/or surveyor's fee on the project, whichever is greater.

Additional Information:

- Sample consultant agreement is attached

All proposals should include the following information:

1) Description of Methodology: The proposals must include a brief description of the methodology proposed to perform the leak detection survey. The description should include a description of the technology and equipment to be used to detect the leak (acoustic, ultrasonic, tracer, etc.) and the means to estimate leak volume. Include any innovative methods and their benefit to the project.

2) References: The proposals shall include the Contractor's experience. At a minimum, three (3) similar projects shall be included as references.

3) Cost: Firm shall submit prices on proposal sheets for each community provided with this proposal to complete all work mentioned above.

4) Schedule: Firm shall submit the number of days to complete the survey and the anticipated start date on proposal sheet for each community provide with this proposal to complete all work mentioned above.

Sealed proposals marked **"2021 Leak Detection Survey"** on envelope is to be delivered or mailed to:

Scott J. Thoresen P.E.,
Director of Public Works
City of De Pere
925 South Sixth Street
De Pere, WI 54115

All proposals shall be received no later than 2 p.m. Central Standard Time on March 31, 2021.

The Village of Allouez, Village of Bellevue, and City of De Pere reserves the right to reject any or all proposals, to waive any informality in bidding and to accept any proposal which the respective City Council or Village Boards deems most favorable to the best interest of their community;

If you have any questions regarding Village of Allouez's water distribution system or leak detection survey please call Mike Mahloch, Water Foreman, at (920)-621-8745.

If you have any questions regarding Village of Bellevue's water distribution system or leak detection survey please call Shawn Geiger at (920) 593-5517.

If you have any questions regarding City of De Pere's water distribution system leak detection survey, or this proposal, please call Eric Zygarlicke at (920) 339-4063.

Questions may also be emailed to sthoresen@deperewi.gov.

Sincerely,

DEPARTMENT OF PUBLIC WORKS

Scott Thoresen, P.E.
Director of Public Works

Village of Allouez Water Utility
2021 Leak Detection Survey Proposal

The following proposal is submitted to: Village of Allouez Water Utility, in accordance with the written proposal to furnish all labor, materials, tools, equipment and incidentals necessary to perform a water distribution leak detection survey

The undersigned FIRM agrees, if this proposal is accepted, to enter into an agreement with the Village of Allouez to perform and furnish all work as specified in this proposal. The undersigned firm will meet and adhere to the Village of Allouez's requirements as indicated in the proposal.

Based on the details provided in this proposal, the undersigned firm agrees they are able to meet the Village of Allouez's requirements and that the prices for the leak detection survey to meet said requirements are as follows:

Lump Sum Price for Leak Detection Survey: $ 9,600.00

Ferguson Waterworks
Name of Firm

5350 N Richmond St. / Appleton, WI 54913
Address of Firm

(920) 731-3252 | (920)-740-3131-Cell
Telephone Number

(920) 731-2305
Fax Number

John.Paalman@ferguson.com
Email Address

The undersigned bidder, being duly sworn, does depose and say that he is an authorized

representative of: Ferguson Waterworks and that the said bidder has examined and carefully prepared his bid from the Proposal Requirements, and has checked the same in detail before submitting said proposal or bid; and that said bidder or his agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in an collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

Signature of Bidder

3/29/21
Date

John Paalman
Print or Type Name of Bidder

Services Manager
Title

Signature of Owner

Date

Print or Type Name of Owner

Title

Estimated Start Date: May - July

Estimated Work Days to Complete: May - July

Village of Bellevue Water Utility
2021 Leak Detection Survey Proposal

The following proposal is submitted to: Village of Bellevue Water Utility, in accordance with the written proposal to furnish all labor, materials, tools, equipment and incidentals necessary to perform a water distribution leak detection survey

The undersigned FIRM agrees, if this proposal is accepted, to enter into an agreement with the Village of Bellevue to perform and furnish all work as specified in this proposal. The undersigned firm will meet and adhere to the Village of Bellevue's requirements as indicated in the proposal.

Based on the details provided in this proposal, the undersigned firm agrees they are able to meet the Village of Bellevue's requirements and that the prices for the leak detection survey to meet said requirements are as follows:

Lump Sum Price for Leak Detection Survey: $ 7,500.00

Ferguson Waterworks
Name of Firm

5350 N Richmond St. | Appleton, WI 54913
Address of Firm

920-731-3252 | cell 920-740-3131
Telephone Number

920-731-2305
Fax Number

John.paalman@ferguson.com
Email Address

The undersigned bidder, being duly sworn, does depose and say that he is an authorized

representative of: Ferguson Waterworks and that the said bidder has examined and carefully prepared his bid from the Proposal Requirements, and has checked the same in detail before submitting said proposal or bid; and that said bidder or his agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in an collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

Signature of Bidder

3/29/21
Date

John Paalman
Print or Type Name of Bidder

Services Manager
Title

Estimated Start Date: June - August

Estimated Work Days to Complete: 5

City of De Pere Water Utility
2021 Leak Detection Survey Proposal

The following proposal is submitted to: City of De Pere Water Utility, in accordance with the written proposal to furnish all labor, materials, tools, equipment and incidentals necessary to perform a water distribution leak detection survey

The undersigned FIRM agrees, if this proposal is accepted, to enter into an agreement with the City of De Pere to perform and furnish all work as specified in this proposal. The undersigned firm will meet and adhere to the City of De Pere's requirements as indicated in the proposal.

Based on the details provided in this proposal, the undersigned firm agrees they are able to meet the City of De Pere's requirements and that the prices for the leak detection survey to meet said requirements are as follows:

Lump Sum Price for Leak Detection Survey: $ 17,500.00

Ferguson Waterworks
Name of Firm

5350 N Richmond St | Appleton, WI 54913
Address of Firm

(920) 740-3131 (cell) | (920) 731-3252 (office)
Telephone Number

(920) 731-2305
Fax Number

John.padlman@ferguson.com
Email Address

The undersigned bidder, being duly sworn, does depose and say that he is an authorized

representative of: Ferguson Waterworks and that the said bidder has examined and carefully prepared his bid from the Proposal Requirements, and has checked the same in detail before submitting said proposal or bid; and that said bidder or his agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in an collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

Signature of Bidder

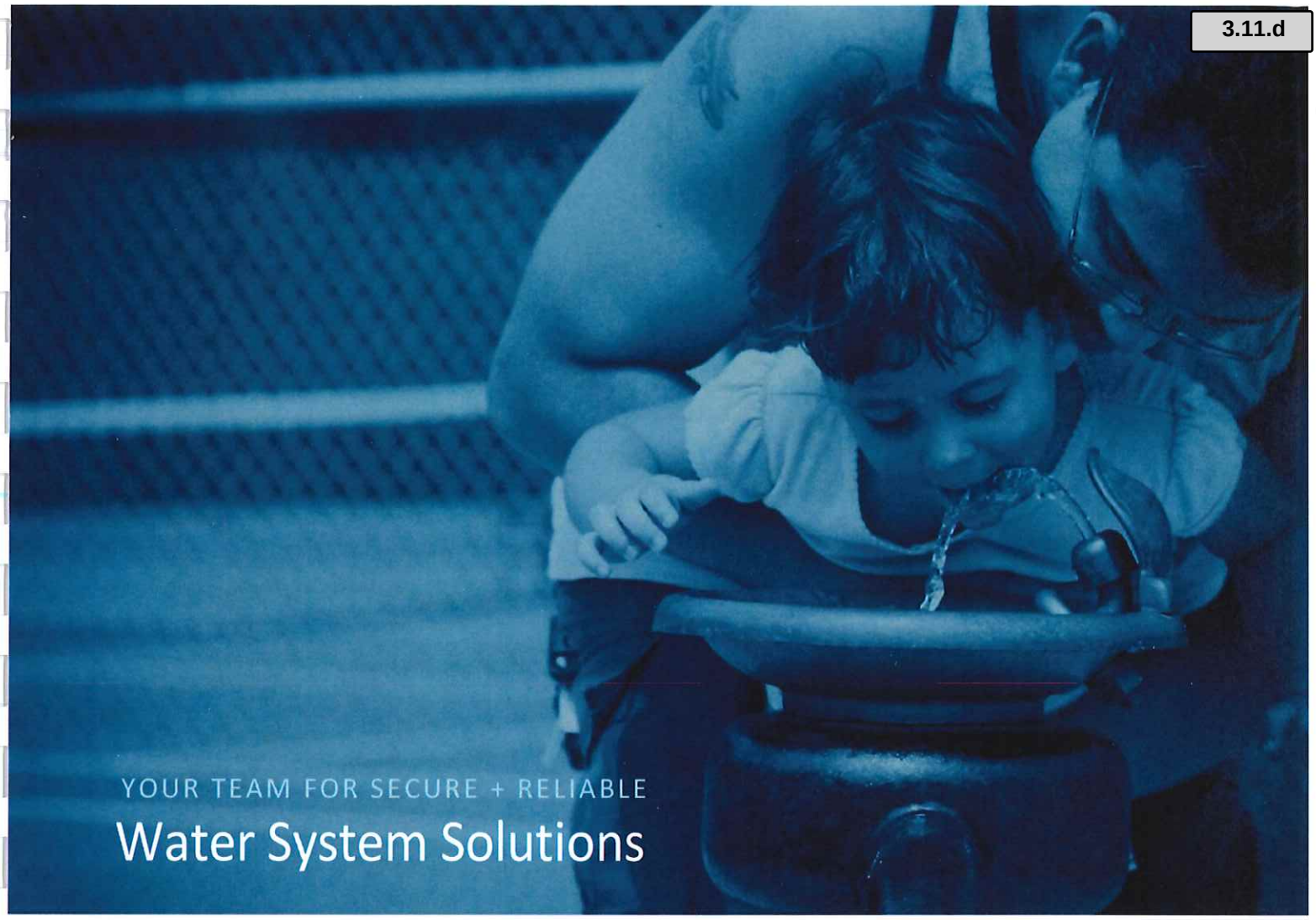
3/29/21
Date

John Paalman
Print or Type Name of Bidder

Services Manager
Title

Estimated Start Date: July - August

Estimated Work Days to Complete: 20









RFP TO PROVIDE

The Village of Allouez, Village of Bellevue & City of De Pere, Wisconsin

2021 Leak Detection Survey

Due: March 31, 2021 at 2:00 PM

M.E. SIMPSON Co., Inc.

M.E. SIMPSON Co., Inc.

March 31, 2021

Scott J. Thoresen P.E.
Director of Public Works
City of De Pere
925 S. Sixth Street
De Pere, WI 54115

RE: PROPOSAL FOR A 2021 LEAK DETECTION SURVEY

Dear Mr. Thoresen,

M.E. Simpson Co., Inc. is pleased to present the Village of Allouez, Village of Bellevue and the City of De Pere, Wisconsin our proposal for a 2021 Leak Detection Survey. We are honored to be considered for this work and are confident our team will help make the project a success.

M.E. Simpson Co., Inc. is a Professional Services Firm dedicated to developing and providing programs and services designed to maximize peak performance for our clients' water distribution systems. Many of these programs are universally recognized as a part of "Best Management Practices" (BMPs) for utilities. We pride ourselves on delivering solid solutions using the highest quality technical and professional services by way of state-of-the-art technology and a skilled and well-trained staff of professionals. Our highly educated engineers and technical team are committed to the success of this project. They will be ready at a moment's notice to relieve your staff's burden and ensure a seamless continuation of your services.

Our services were developed and refined to provide utilities with programs that can be customized to meet their needs. From complete "Turn-Key" services to assisting with the development of "in-house" programs for utilities, M.E. Simpson Co., Inc. serves our clients with this ultimate goal: to deliver to the public the implicit faith that **"the water is always safe to drink"**.

Thank you for your consideration and this opportunity to acquaint you with our FELL services and offer this response. We are committed to exceeding your expectations.

Sincerely,

Joe Nepras
Regional Manager

Joe Nepras
Regional Manager

3406 Enterprise Avenue
Valparaiso, IN 46383

800.255.1521 P
888.531.2444 F

Joen@mesimpson.com

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Village of Allouez Water Utility
2021 Leak Detection Survey Proposal

The following proposal is submitted to: Village of Allouez Water Utility, in accordance with the written proposal to furnish all labor, materials, tools, equipment and incidentals necessary to perform a water distribution leak detection survey

The undersigned FIRM agrees, if this proposal is accepted, to enter into an agreement with the Village of Allouez to perform and furnish all work as specified in this proposal. The undersigned firm will meet and adhere to the Village of Allouez's requirements as indicated in the proposal.

Based on the details provided in this proposal, the undersigned firm agrees they are able to meet the Village of Allouez's requirements and that the prices for the leak detection survey to meet said requirements are as follows:

Lump Sum Price for Leak Detection Survey: $35,255.00

M.E. Simpson Co., Inc.
Name of Firm

3406 Enterprise Ave., Valparaiso, Indiana 46383
Address of Firm

(800) 255-1521
Telephone Number

(888) 531-2444
Fax Number

joen@mesimpson.com
Email Address

The undersigned bidder, being duly sworn, does depose and say that he is an authorized

representative of: M.E. Simpson Co., Inc. and that the said bidder has examined and carefully prepared his bid from the Proposal Requirements, and has checked the same in detail before submitting said proposal or bid; and that said bidder or his agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in an collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

Signature of Bidder — Date: 3/23/21

Joe Nepras — Print or Type Name of Bidder

Regional Sales Manager — Title

Signature of Owner — Date: 3/29/21

Michael D. Simpson — Print or Type Name of Owner

Chief Executive Officer — Title

Estimated Start Date: 7/5/21

Estimated Work Days to Complete: 35

Village of Bellevue Water Utility
2021 Leak Detection Survey Proposal

The following proposal is submitted to: Village of Bellevue Water Utility, in accordance with the written proposal to furnish all labor, materials, tools, equipment and incidentals necessary to perform a water distribution leak detection survey

The undersigned FIRM agrees, if this proposal is accepted, to enter into an agreement with the Village of Bellevue to perform and furnish all work as specified in this proposal. The undersigned firm will meet and adhere to the Village of Bellevue's requirements as indicated in the proposal.

Based on the details provided in this proposal, the undersigned firm agrees they are able to meet the Village of Bellevue's requirements and that the prices for the leak detection survey to meet said requirements are as follows:

Lump Sum Price for Leak Detection Survey: $18,491.00

M.E. Simpson Co., Inc.
Name of Firm

3406 Enterprise Ave., Valparaiso, Indiana 46383
Address of Firm

(800) 255-1521
Telephone Number

(888) 531-2444
Fax Number

Joen@mesimpson.com
Email Address

The undersigned bidder, being duly sworn, does depose and say that he is an authorized

representative of: M.E. Simpson Co., Inc. and that the said bidder has examined and carefully prepared his bid from the Proposal Requirements, and has checked the same in detail before submitting said proposal or bid; and that said bidder or his agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in an collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

Signature of Bidder

3/23/21
Date

Joe Nepras
Print or Type Name of Bidder

Regional Sales Manager
Title

Estimated Start Date: 7/5/21

Estimated Work Days to Complete: 35

City of De Pere Water Utility
2021 Leak Detection Survey Proposal

The following proposal is submitted to: City of De Pere Water Utility, in accordance with the written proposal to furnish all labor, materials, tools, equipment and incidentals necessary to perform a water distribution leak detection survey

The undersigned FIRM agrees, if this proposal is accepted, to enter into an agreement with the City of De Pere to perform and furnish all work as specified in this proposal. The undersigned firm will meet and adhere to the City of De Pere's requirements as indicated in the proposal.

Based on the details provided in this proposal, the undersigned firm agrees they are able to meet the City of De Pere's requirements and that the prices for the leak detection survey to meet said requirements are as follows:

Lump Sum Price for Leak Detection Survey: $65,884.50

M.E. Simpson Co., Inc.
Name of Firm

3406 Enterprise Ave., Valparaiso, Indiana
Address of Firm

(800) 255-1521
Telephone Number

(888) 531-2444
Fax Number

Joen@mesimpson.com
Email Address

representative of: M.E. Simpson Co., Inc. and that the said bidder has examined and carefully prepared his bid from the Proposal Requirements, and has checked the same in detail before submitting said proposal or bid; and that said bidder or his agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in an collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

Signature of Bidder

3/23/21
Date

Joe Nepras
Print or Type Name of Bidder

Regional Sales Manager
Title

Estimated Start Date: 7/5/21

Estimated Work Days to Complete: 35

FIRM HISTORY

M.E. Simpson Co., Inc. was founded in 1979 by Marvin E. Simpson. We are based out of Valparaiso, Indiana, near Chicago, Illinois. Our firm has become the industry leader in developing and providing water loss assessment and distribution system asset management programs and services, aiding our clients in maximizing their peak performance for their water distribution systems. We offer the highest quality Technical and Professional Services, using state-of-the art technologies and highly skilled and trained professionals. Our staff has developed a host of high-tech programs that will ensure that your Utility will be proactive in dealing with your water distribution systems. "Crumbling infrastructure, inaccurate records, conservation, sustainability, water quality, water loss, economic conditions, revenue shortfalls, being green, having enough water"; these are all statements and buzz words in today's society. Currently in the water industry, these words are our reality, thus making them our responsibility.

We've maximized distribution system performance and optimized distribution system data, records, and mapping for all our clients. To date, we have provided Water Loss Control programs that have included over 80,000 Large Water Meters serviced (including several utilities in Georgia), 100,000 miles of Leak Detection services and numerous water audit programs. Our Asset Management services have documented over 500,000 valves located and exercised. Our Fire Hydrant Flow testing program has recorded 80,000 fire hydrants inspected, flow tested, and water main capacity information developed.

Leak Detection History

M.E. Simpson Co., Inc. developed its Water Distribution Leak Survey services in 1987. Since then, we've improved the program so now it is a fundamental water loss control program for our clients.

Our Water Distribution Leak Survey services have been employed since 1987 in a majority of municipalities around the Chicago Metro Area and the Midwest and have spread to other utilities across the US. These programs have benefited municipalities from small systems consisting of 5 miles of pipe to systems with several thousands of miles of pipe. Additionally, our crews have been deployed to several locations throughout the United States including Georgia, California, and overseas to help utilities with their distribution system leakage issues. Our crews have the unique ability to be able to respond to individual Utility requests because of the cross training they have received performing all the services M.E. Simpson Co. Inc. provides.

Our project manager and personnel have all the equipment and abilities necessary to perform your leak survey and respond to any needs that the Utility may have. We are proud of the work we have performed using the latest technology and meeting the needs of "our customer" the Water Works Industry. We have played an important role in educating utilities about the need for and efficiency of annual water loss programs.

Leak Survey Project Understanding

The Utilities are seeking a qualified firm to provide services for a Water Distribution Leak Detection Survey. The program is needed to be able to identify and quantify specific leakage issues that are occurring in the water distribution system with the end aim of being able to provide specific directions for location and ultimate repair of the leaks and an overall reduction in the system's water losses.

SCOPE OF WORK

Leak Detection Survey

The Field Scope of Service for the Leak Detection Survey is understood to be the following:

M.E. Simpson Co., Inc. will furnish all labor, material, transportation, tools, and equipment necessary to survey the water distribution system areas selected by the Utility. M.E. Simpson Co., Inc. shall be required to provide such skilled and trained personnel and equipment necessary to complete the work herein specified. **There will be a minimum of Two Persons per team working on the survey at all times.**

- Work in an orderly and **safe** manner to ensure protection of the local residents, Utility employees, and the Field Staff so that no **avoidable** accidents occur.
- All Field Staff will have readily observable identification badges worn while in the field.
- The leak detection equipment to be used will be that which was described in the "Equipment to be used" section.
- Initially listen to **all fire hydrants, all accessible main line valves**, and when necessary, selected service connections in the entire distribution system by making physical contact with the valve, hydrant, pipe, or B-box. (Listening points that are not accessible will be given to the Utility and when corrected they will be listened to.)
- Listening points of contact will be valves, hydrants, service valves or meter settings. The preference of listening points in order as follows, direct contact with the pipe, main line valves, hydrant valves, hydrants, then service valves or meter settings.
- Specific listening distances will be determined by pipe material. Metallic type pipes; no greater than 500' between listening points. Non-Metallic AC/Concrete type pipes; no greater than 300' between listening points. Non-Metallic PVC/HDPE type pipes; no greater than 150' between listening points.
- A "suspected leak" log shall be maintained indicating all areas where suspected leak noise was heard. This log will be reviewed when the Project Team is verifying the suspected leak area for confirmation of the actual existence of a leak. This log will be a part of the periodic reports turned into the Utility regardless of an actual leak located in the area or not, with an explanation of the noise source.
- When leak noise has been detected and or suspected, the Project Team will verify the suspected area a second time to confirm the noise. At least four hours will pass between the initial listening of the area before a second listen and confirmation is attempted.
- The Project Team will line locate the water main and service lines in the immediate area so the correct pipe distances can be input into the leak correlator and also so that the Water Utility will have an idea of where the water main is located prior to excavation. Non-metallic pipe locations will be "interpolated" as best that can be identified, given the line location of metallic services, Utility knowledge of the area, or other information regarding the actual location of the main.
- The Project Team will use "State of the Art" Electronic Leak Correlators to determine if a leak is present and use the same equipment to pinpoint the leak.
- For PVC water mains only the Echologics LeakFinder-ST w/hydrophones leak correlator or Fluid Conservation Systems (FCS) TriCorr Touch leak correlator, will be used for correlations because of the

ability for these correlators to be able to analyze the particular sound frequencies inherent to PVC pipe.

- The leak location will be marked in the field (on the surface) using environmentally formulated Precautionary Blue paint.
- The Project Team will document all leak locations with a diagram indicating the location of the leak. Other information related to that correlation will be included as part of the field sheet such as the filters used for the correlation, line locations, distances between sensors, etc.
- The locations of leaks requiring immediate attention (immediate threat to life, injury or traffic) will be turned in as quickly as possible to facilitate the repair process.
- The Project Team will report daily or per request of the Utility, to assigned Utility Professional and go over the progress of the previous day, as well as cover what will be surveyed the current day.
- It may be necessary to conduct parts of the Leak Survey during "off hours" such as at night. This may be required in areas of high traffic volume where traffic noise may affect the ability to detect leak noise, and traffic volume may affect the ability of the Project Team to be able to safely access main line valves in the middle of the street. The Project Team will give 24-hour advanced notice of intent to survey a particular area that may require after hours surveying or nighttime surveying. This is so the Utility can plan for the area to be surveyed, give notification to the Police department, as well as other Public Works Divisions as to the activity that will take place.
- As a part of the leak program, mapping discrepancies found, distribution assets found in disrepair will be noted and turned into the utility.
- Leaks verified on the customer's side of a service shut-off will not be located beyond the shut-off. If a leak appears to be on the Customers' side, the Utility will be notified first, then the customer notified and permission granted prior to the water being shut off even for short periods of time where possible and as time allows, as well as the ability for the customer to respond.
- If the Utility requests leak locations beyond the service shut off on the customer's side of the service line, this will result in an additional charge to the leak survey based on an hourly rate and this service must be agreed upon between the Utility and M.E. Simpson Co., Inc. prior to the start of the survey.
- Valves and hydrants will not be operated without Utility permission. Valves and hydrants that break during this type of operation are the sole responsibility of the Utility. M.E. Simpson Co., Inc. cannot be responsible for valves and hydrants that break due to pre-existing conditions.
- The Utility is encouraged to dig up and repair the leaks located as soon as possible so that the area may be re-surveyed while the Project Team is still working on the survey in that general geographical location to ensure no other leaks are present in that area.

Equipment List

- FCS **S30** Gutermann **AquaScope** electronically enhanced listening device.
- Echologics **LeakFinder-ST w/hydrophones**; FCS **AC Digital**, **TriCorr Touch** or Vivax-Metrotech **HL6000X** leak correlator systems.
- **RADIO Detection** Line Locators.
- **Chicago Tape**, **Fisher M-Scope** or **Schonstedt** magnetic locators.
- **All necessary valve keys and hand tools.**
- Truck mounted arrow board/signage and warning lights.
- Traffic control equipment, including properly sized traffic cones with reflective stripes.

Quality Control and Accuracy of Leak Locations

The level of accuracy of leak detection is a matter of taking in all the above considerations and applying those considerations to each individual potential leak location as it is being evaluated. Any statement made as to the level of accuracy of leak locations must be considered based on the individual conditions of each leak.

Locating leaks on a distribution system can be very challenging. It is not a perfect science. Pipes and fittings can leak for a variety of reasons (age, poor installation, material failures, bad soils, etc.), and the ability to locate leaks is dependent on the stated variables listed in the "Project Approach". By employing a strict methodology in the field for conducting a leak survey, these variables can be accounted for and mitigated. The depth of experience of the Project Team is extremely important to maintaining the ability to have accurate locations of leaks. Additionally, crews work as Two-Person Teams in the field, double checking the progress of the work as the survey progresses. The systematic procedure for leak confirmation has been stated in the Scope of Field Service and is restated here.

"Suspected leak areas are always listened to a second time, preferably at a different time of day than originally listened to. The mains and services will be line located to ensure correct pipe distances are used for the correlations. Correlations may need to be performed several times with several configurations to ensure all the possible scenarios have been covered. Sewer manholes may need to be opened and flows observed. If there is any doubt as to the existence of a leak, the area may be checked and correlated at different times to rule out water usage or other factors. The progress of the survey will be monitored by the use of daily logs and a progression map with suspected leak noise indications marked and possible leak locations will be maintained. Field leak location forms will be turned into the Utility according to the agreed schedule. The Project Team will follow up on leak locations by monitoring the repair schedule of the Utility. That way in case a potential leak location is wrong, the Project Team can return to the site and determine why the leak location was incorrect and correct it. This means maintaining a good level of communication between the Project Team in the field, and the Utility.

As a matter of Quality Control for leaks in the field, our Correlators, FCS TriCorr Touch and Echologics LeakFinder-ST have the distinct ability to be able to detect and pinpoint more than one leak in the same relative area, thus allowing better leak coverage and insuring that one leak is not "masking" another leak in the same area. The use of progress reports and meetings will allow for open discussions of problems encountered so solutions can be examined."

Utility Observations

The M.E. Simpson Co., Inc. Project Team will welcome having staff of the Utility observe field procedures while the Leak Survey is in progress. They will be happy to explain and demonstrate the equipment and techniques that are employed by M.E. Simpson Co., Inc. for detecting and locating leaks on the Water System.

Final Reports, Documentations & Communications

M.E. Simpson Co, Inc. will perform the following:

Effective communication... accurate documentation... **Ensuring the success for the leak survey**

- Project Team will **meet daily** with assigned Utility personnel to go over areas of survey for prior workday and plan current day and area to survey.
- The field technicians will be readily available by cellular phone. This will facilitate communications between the Utility and the field technicians. A **24-hour toll-free 800 number** is available for direct contact with M.E. Simpson Co., Inc. for emergencies.
- **Diagram all leak locations**, date of location, and classify according to severity and an estimate of loss.
- **The Project Manager will** meet with the Utility regularly for a progress report.
- **Prepare a progress report** at monthly intervals for the Utility if requested.
- Develop a **Leak Survey log** of activity which will also have confirmed leaks listed and this list will be turned in weekly (in the Utility preferred format). The list will also be included with the final report that will include the following:
  1. Mechanical deficiencies discovered.
  2. Mapping errors on the water atlas.
  3. Type of monitored appurtenances.
  4. Location of same for leaks discovered.
  5. Total estimated loss
- Provide a paper map with numbered location IDs and ArcGIS files showing a point location for each leak. The ArcGIS shapefile/geodatabase shall include the following attribute fields:
  1. Location per sub-meter GPS.
  2. Date of leak test.
  3. Estimated severity in GPM.
  4. Notes (as applicable).
- **Prepare the final report** at the completion of the project which will include all leak location reports with drawings, total of estimated water loss, total pipe distance investigated, a description of the area surveyed, and other problems found in the system during the course of the survey that need the attention of the Water Utility. The leak summary will list leak types such as main leaks, service line leaks, valve leaks, or hydrant leaks.

  A cost benefit analysis of the survey based on the "cost to produce" water will also be included that describes the financial impact to the Utility for water loss. Recommendations for system maintenance will be a part of this report based on field observations made during the survey. **This final report shall be made available for submission to the Utility within thirty (30) working days of the completion of the fieldwork.**

Assumptions & Services Provided by the Utility

- The Utility will provide access to documents, records, electronic and paper maps, and data sources. These detailed items are necessary to properly conduct the water distribution system leak survey. These will include:
    1. ArcGIS Online internet mapping application, which allows on-screen distance measurements.
    2. Exported copy of the Utility's water GIS database in shapefile or other ESRI-compatible format.
    3. Electronic version of the Village-wide map in PDF format.
    4. PDF versions or paper copies of detailed engineering drawings only as needed and available.
- The Utility will assist as necessary to clean out service valves, meter pits and valve-boxes needed for listening.
- The Utility will provide a Primary Contact Person and/or secondary contact person for the Field Staff to report to on a periodic basis. This person shall act as the official liaison for the duration of the Leak Survey. This person shall have a working knowledge of the water system and will be helpful in attempting to locate particularly hard-to-find water valves for listening and for general information about the water system. *This person will not need to assist the Project Team on a full-time basis*, but only on an "as needed" basis.
- The Utility will assist, if needed, to help gain entry into sites that may be difficult to get into due to security issues or other concerns.
- The Utility will assist, if needed, to locate all nonmetallic pipe within the service area. This would include all Concrete Cylinder pipe, Asbestos Cement Pipe, PVC pipe and HDPE pipe.
- We will encourage the immediate digging of major leaks (main breaks) so that if there are problems with the leak location, the problems can be corrected while the Project Team is close by and can verify the site.

PROJECT SAFETY PLAN

M.E. Simpson Co., Inc.'s Safety Programs cover all aspects of the work performed by M.E. Simpson Co., Inc. We take great pride in our safety plan/policy/program and that is evident in our EMR scores over the last five years. The safety of our employees, the utilities employees and that of the general public is our #1 priority.

Our Safety Plan/Policy/Program, with all of its parts, is 60 pages in length. In an effort to be more efficient and less wasteful we do not print copies of the safety program for RFPs. There is nothing secretive or proprietary contained within our plan/policy/program and we are happy to share its contents. If you would like a PDF copy of our plan/policy/program please contact Terrence Williams, Operations Manager, at 800.255.1521 and a copy of our program will be sent via email to you.

Below is an overview of our plan/policy/program:



Safety is a major part of any project. M.E. Simpson Co., Inc. always provides a safe work environment for its employees. **Our staff is trained in General Industry OSHA rules, Confined Space Entry & Self-Rescue, First Responder First Aid, CPR, and Traffic Control.** While in the field on your project, M.E. Simpson Co., Inc. and its employees will follow all of the necessary safety procedures to protect themselves, your staff and the general public.

M.E. Simpson Co., Inc. uses Two-Man Teams for Safety and Quality Assurance.

The use of a "one-person" leak detection team is dangerous and impractical where water mains run under roadways. It would be a dangerous precedent to allow a "one-person" team to access main line valves located in the roadway, attempt to listen to the valve with headphones on, and at the same time try to control traffic flow at that person's location in the street.

Therefore M.E. Simpson Co., Inc. adheres to the following:

- The Project Manager and the Field Manager will be trained in accordance with OSHA Standard 1910 (General Industry) and be in possession of an OSHA 10 Hour or 30 Hour Card.
  - Any listening points located in a **"confined space"** such as pit and vault installations that **require entry** will be treated in accordance with the safety rules regarding **Confined Space Entry, designated by the Utility, The Department of Labor and OSHA.**
    - All personnel are **trained and certified** in Confined Space Entry & Self-Rescue.
  - We will follow all safety rules regarding **First Responder First Aid & CPR, designated by the Utility, The Department of Labor and OSHA.**
    - All personnel are **trained and certified** in First Responder First Aid & CPR.
- We will follow all **traffic safety rules, designated by the Utility, The Department of Labor, OSHA, and the Illinois Department of Transportation (per MUTCD).**
  - All personnel are **trained and certified**, by the **AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA)** in Traffic Control and Safety.

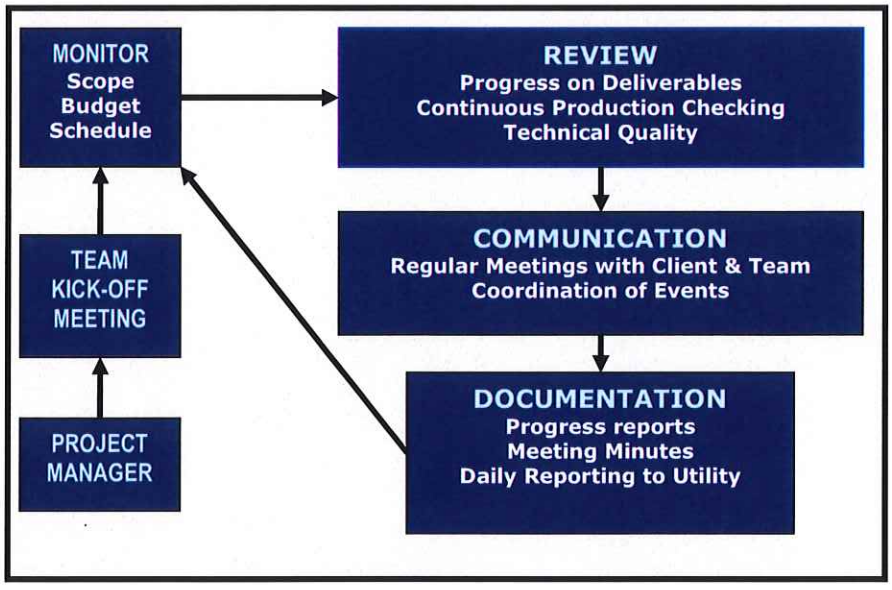
Current documentations of safety training and certifications can be provided for all project personnel for the Utility. These certifications are current and up to date (for 2021) for all project personnel.

PROJECT MANAGEMENT APPROACH

M.E. Simpson Co., Inc.'s project management approach is what leads to our proven track record to complete projects on time and within the budget established. Based on our past experience, we have developed project management practices that will ensure the Utilities of effective communication and project tracking throughout this project. We will follow the Project Management Institute (PMI) standards, including the Project Management Body of Knowledge (PMBOK). These globally accepted standards will assure this project is planned, executed, monitored and controlled in accordance with world class procedures. M.E. Simpson Co., Inc. has seasoned and experienced managers and technicians that will have continuous input, ensuring the results of the Water Distribution Leak Survey exceed the expectations of the Utilities.

Our project management system establishes - the single project manager – who has the responsibility and authority to act on behalf of M.E. Simpson Co., Inc. This project manager will stay with the project from beginning to the successful completion. The project manager's specific responsibilities include:

- Coordination of all activities in this project.
- Establishing key decisions and review milestones during this project.
- Preparing an initial project development plan identifying the schedule of work tasks and key personnel. to perform the work in the field to meet the milestones and objectives.
- Coordinate communications and meetings with the Utility as needed or required to review technical. concepts and alternatives, soliciting staff input and coordinating activities with the project team.
- Prepare periodic reports as needed and meet with the Utility on a regular basis summarizing project. scheduling, progress and maintaining the project within the budget stipulated.
- Oversee the execution and development of the project deliverables.



Project management remains an important activity during the course of the project and does not stop with the Project Manager. For the water distribution leak survey, each member of the project team is dedicated to providing the best leak detection program that can be attained using the state-of-the-art technology and equipment, field experience and engineering knowledge. Our team will be made up of experienced water

professionals that are experts in water loss control such as leak surveys and pinpointing, water meter evaluation/testing (residential, commercial, wholesale, and production meters), and water distribution system hydraulic modeling, fire hydrant maintenance/flow testing and valve assessment and exercising.

It is this combination of experience and knowledge that has helped shape our approach to leak surveys in distribution systems because the team members have the capacity to make on the spot decisions regarding any fine tuning of the program. They will maintain constant communication with the Utilities District and the Project Manager regarding their progress as well as any major issues needing immediate attention and discussion.





MESCO team members have been highly active with the AWWA Water Loss Control Committee helping with the rewrite of the M36 Manual, M33 Manual and revisions to the free Water Audit Software tool. Each team member is highly experienced in the implementation of leak surveys as well as other water loss control programs. It is our team's combination of field experience and engineering knowledge that has shape our approach to water loss control programs in distribution systems. The individual team members have the capacity to make sound decisions regarding any fine tuning of the leak survey. They will maintain constant communication with the Utilities and the Project Manager regarding leak survey progress.

MESCO is sure that the selection of our team to perform this work will provide the Utilities with exceptional experience, sound decision making, and a level of service providing the following advantages:

- A professional team with a specialized expertise in leak detection and water loss management
- One of the finest and highly experienced technical and engineering team with the capacity to provide the highest quality work for the Utilities.
- A project approach that incorporates interim reporting and continuous input opportunities by the Utilities.
- Innovative proven analysis techniques developed from the completion of several similar projects that sought the same scope and results as this project.

Project Quality Assurance/Quality Control

Quality is of the utmost importance to MESCO Team – not merely because of the Utilities and other client's requirements, but because it is vital to our continued success and viability. Quality management and services bring to all of us the rewards of jobs well done, satisfied Utility staff, and successful projects.

Our QA/QC program is built around several key elements of each participating firm's mission and values which consist of:

- Maintaining a reputation for the highest quality performance

- Client satisfaction
- Continuous process improvement
- Open communication with the field staff and the Utility
- Teamwork

The QA/QC plan for this project is very simple. No work will leave MESCO Team until it has been verified that all the requirements and objectives of the project as well as the requirements of the project QA/QC managers have been met. During the course of the project, the Project Manager and/or the QA/QC manager will meet with the Utilities to ensure that the work product is technically correct, but also meets the needs and expectations of the Utilities. Every step will be well documented for progress reports.

MESCO Team's professional services are grounded in sound principles that meet the tests of time from past successes of hundreds of leak detection projects will satisfy the quality requirements of the Scope of Service. Each member of the project team has a thorough understanding of the project objectives. Every member of the team will apply sound methodology and principles, and are expected to produce quality, accurate and complete documents. The QA/QC procedure has been developed and implemented based on tried and proven methodologies. The prevention of poor-quality service is based on four sound principles:

- Quality management of the project by using experienced personnel committed to excellence.
- Conformance to requirements by being knowledgeable of all local conditions in the field and keeping abreast of new cutting-edge water loss remediation methods.
- Prevention of rework and errors by using teamwork, cross checking the leak survey procedures every step of the way and having staff knowledgeable in all aspects of leak survey projects.
- Quality is built in - not added on. The project management and staff have shown that a quality service is produced when the project tasks are properly sequenced and carried out to the final termination of the program using the built-in system of checks and balances.

Leak Detection Methods and Procedures

MESCO Leak Detection Teams are made up of experienced water professionals with expertise in conducting leak surveys and leak pinpointing. They are trained to follow specific procedures, utilizing state-of-the-art technology and equipment, field experience and engineering knowledge.

Pinpointing leaks requires more than just running a correlator. In order to maximize location accuracy and minimize error, a precise methodology must be employed. MESCO Teams will investigate, measure, and gather all the necessary information, which includes but is not limited to the following:

- Pipe Size and Material
- Layout of water piping infrastructure, verified via Line-Location Technology
  - This includes service lines, hydrant legs, and any other connections to the pipe in the suspected leak area
- History of leakage in suspected area
- Measurement of pipe segments for accurate correlation
- Identify which listening points are the "loudest" to narrow down and focus in on the suspected leak area
- Identification and impact of other possible noise sources (i.e. pumps, electrical interference, traffic, etc....)
- Determine if there any partially or fully closed valves, which may result in reduced pressure on the pipe, or even cause noise as water flows through these "restrictions"
- Inspect storm and sewer structures for leakage inflow, as necessary

Once the appropriate information has been gathered, MESCO Leak Teams will methodically narrow down the suspected leak area, until the leak has been pinpointed using a correlator, or other appropriate means.

Verification of suspected Leak Locations is of the utmost importance!

Our team will utilize the following QA/QC methods to ensure that the leak location is as accurate as possible:

- When possible, verifying the leak location by correlating its position from multiple correlations, conducted from multiple listening points
- Pinpoint confidence is greatly increased by obtaining the same leak location via different correlations and listening points, and reduces the possibility of error
- Any connections located within 10% of the total correlation length to the suspected leak area will be investigated, to ensure that the leak is, in fact, on the pipe being investigated, and not on an adjacent connection
- Leaks found on Services can be verified by temporarily shutting off the service
- *This is only done with the permission of the utility, and coordination with the property owner*
- Hydrant Leaks, where it is suspected that the hydrant isn't fully closed, can be verified by closing the hydrants auxiliary valve, to see if the leak noise dissipates
- *Attempting to close the hydrant and stop the leakage by tightening the operating nut is done only with the permission of the utility*
- Using a ground mic is another method that can be utilized as a verification method, depending on the situation and local conditions

Leakage Estimation

- M.E. Simpson Company, Inc. adheres' to the policy of assigning conservative leakage estimations to suspected leaks. These estimations are based on more than 30 years of extensive experience, along with other factors such as, the audio frequency of the leak, it's audio volume, the pipe material and size, soil type and condition, and the distances over which the leak noise travels to the various listening points.
- For suspected leaks which have not surfaced and/or are not visible, there is no precise methodology for leakage estimation. Even when a leak is "surfacing" or is visibly discharging into a storm/sewer structure, there is no guarantee that what is visible represents the entirety of the leakage flow. Estimates must be made based on situational specifics, best judgement, and prior experience.
- Once a leak has been excavated, and the full extent of the defect is known, more accurate, but limited, estimations of the flow rate can be made, based on the measured geometry of the defect and the operating pressure. However, the leakage effects of certain types of defects are not easily measured, such as full-circumference breaks, lateral splits, and complete failures where the damage is profound and extensive. Even with this information, it is usually not possible to determine how long the leak has existed, or the total volume that has escaped during its existence.
- It is similar for hydrant leakage estimates, where the hydrant valve hasn't closed completely, or the valve seat is obstructed. These types of "leaks" are not visible, as the water usually escapes the hydrant barrel through drainage ports and cannot be readily quantified. Small, reasonable estimates are generally assigned in these situations.

SCHEDULE OF WORK

Proposal Due: March 31, 2021

Notice to Proceed: TBD

Kick Off Meeting and Commencement of work: Within 30 days of "Notice to Proceed" or as agreed upon between the Utility and M.E. Simpson to meet with Utility staff to go over project goals and objectives. Field work will begin the same day or agreed upon by the Utility and M.E. Simpson Co., Inc.

Fieldwork to be completed and documented: Field work will be started as agreed upon by the Utility and M.E. Simpson Co., Inc. Assume one field team (2 persons each), **35 days** in the field for completion of field work for the water distribution system leak survey. Additional leak survey work beyond the approximate **217.51 miles** of water main will be based on a per mile fee and may cause a shift in the completion date.

Daily Work Hours

Normal "on site" daily work hours will be 7:00 AM to 4:30 PM. Any work that needs to be performed outside the normal work hours will be discussed with the Utility at least 24 hours in advance.

Daily Reporting: The Field staff will meet with assigned Utility staff daily or as needed and determined by the assigned Utility Manager. Leaks located that need immediate attention will be documented and submitted immediately for the Utility's attention. Minor leaks will be reported daily for scheduling of repair. Appurtenances that need moderate to severe repair to listen to the water main will be turned in to assigned Utility Manager daily or as agreed upon by, prioritized by severity.

Periodic Reports: Weekly summary reports will be available 5 workdays after field work has been validated for the program for each week, for the Leak Detection work. These reports will have all the leak survey information compiled during the course of the project for the week.

Final Reports: Final summary reports will be available 30 workdays after field work has been completed for the program. These reports will have all the leak data compiled during the course of the project.

INDUSTRY KNOWLEDGE/ADDITIONAL INFORMATION

At MESCO, services are tailored to the specific needs of our clients. Our participation can range from the small, specialized work supplementing the work of any in-house staff, to complete development of full-scale water system programs.

With continuation and enhancement of the Utilities water distribution leak detection survey program, we will support a fundamental cornerstone of the Utilities Water Loss Control Policies. Our team brings to the Utilities a demonstrated experience and a unique perspective in leak detection services.

From MESCO's in depth experiences working with several water utilities performing water distribution system leak survey programs there have been some very similar issues from each utility that have been clearly exposed. Utilities expect the work process to be able to be performed at a high level, with competent technicians and staff, and that it is done efficiently. There are three basic objectives that should be met by the Project Team:

1. **Expertise.** The Utilities need breadth and depth to help solve the variety of water system challenges that it faces in maintaining the water infrastructure – which is large, complex, aging and requiring upgrading to address new water needs and water loss issues. With our Team's experience in every aspect of water loss control and optimization, we can often provide support that assists the utility in avenues well beyond just the leak project scope.

2. **Streamlined Access.** The Utilities need to be able to easily access and manage the Project Team's expertise to bring it to bear on distribution system leakage issues rapidly and with the least possible administrative burden to the Utilities. However, the Utilities will need to have considerable input to the process by providing needed data for analysis. In this respect, interaction with utility staff will be needed to produce quality water system leak detection efforts.

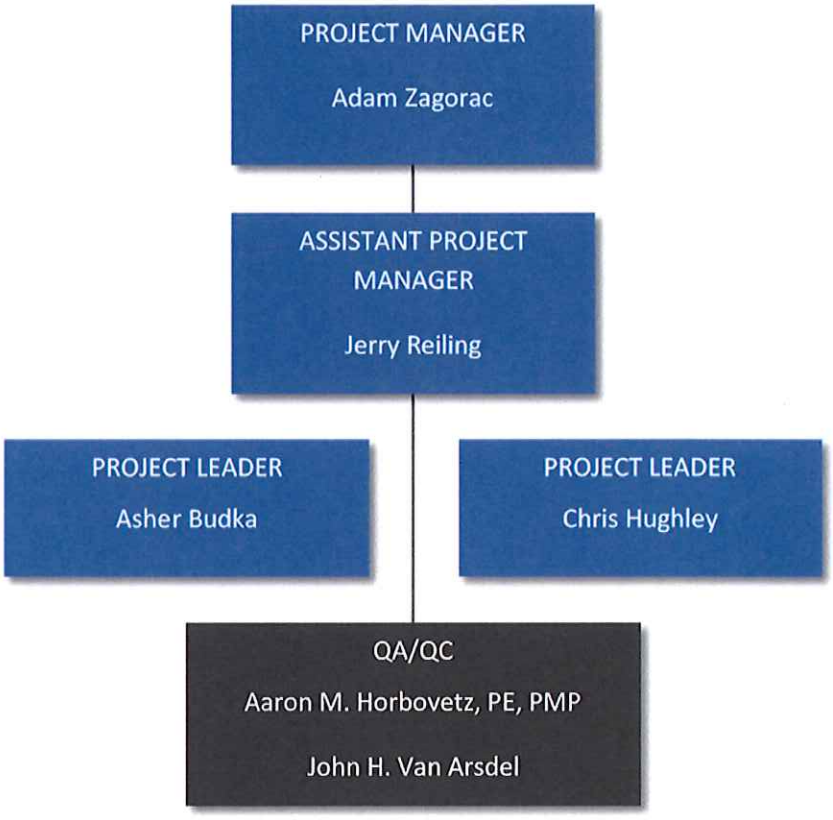
3. **Professional Working Relationships.** The Utilities must be confident that the Project Team is working as true professionals – putting the Utilities interest first. The professionals in the Utilities must have good working relationships with MESCO's professionals. Both parties should look for opportunities to complement each group's goals and ultimate requirements of the Utilities customers.

The strengths of the M.E. Simpson Co., Inc.'s organization and staff, as well as our specific approach to this assignment, will fulfill all of the Utilities needs for their water distribution leak detection survey.

EXPERIENCE OF KEY PERSONNEL

Our team brings the necessary experience for a project of this magnitude, as well as the personal attributes needed to serve City of De Pere, Wisconsin with distinction. We offer our clients the highest quality technical and professional services, using state-of-the-art technologies and highly skilled and trained professionals. The M.E. Simpson Co., Inc. team members selected to serve the Utilities bring significant experience and a proven track record of delivering timely, cost-effective, and sound leak survey solutions.

They share a passionate commitment to client service and attention to detail required for a successful project. The Organizational Chart at right illustrates the Project Team for the Utilities Water Distribution Leak Detection Survey program. One of the two Project Leaders listed will lead the Project Team in the field. **Two-Man Project Teams will be used at all times during the course of the project for reasons of safety and quality assurance.**



Project Manager: Adam Zagorac

Adam Zagorac has been with the Company since December of 2007. Adam has attended numerous classes and lectures related to the operation, maintenance, and installation of water meters, and completed classes in plumbing. Adam has experience in the following: maintenance and installation of water meters; valve location, exercising and mapping; fire hydrant and main capacity flow testing; and the use of state-of-the-art leak detection equipment. He is also experienced in the use of all of our Polcon® Flow Testing equipment.

Professional Certifications:

- 10 Hour OSHA Certified for General Industry
- American Red Cross First Aid and CPR with AED Certified
- American Traffic Safety Services Association Flagging Certified
- Extensive traffic control training
- Extensive confined space training

Assistant Project Manager: Jerry Reiling

Jerry Reiling has been with the Company since May 1996. He is a graduate of Purdue University with a B.A. in Physical Education. Jerry previously worked in both the environmental services industries and HVAC for 10 years. He is responsible for day-to-day operations of field crews for the M.E. Simpson Co., Inc. Dyer, Indiana office. Jerry has over 19 years of experience directing and conducting water loss reduction programs in the field, specifically leak detection and leak locating, along with meter testing. He has completed classes and attended lectures on the operation and maintenance of water meters. Jerry is very experienced in the following: the operation and maintenance of water meters; main line water valve location, exercising and mapping with GPS; hydrant flow testing and hydrant maintenance, Unidirectional Water Main Flushing, use of state-of-the-art leak detection equipment, and the operation of our Polcon® Flow Testing equipment used for hydraulic studies.

Professional Certifications:

- 10-Hour OSHA Certified for General Industry
- American Red Cross First Aid and CPR with AED Certified
- American Traffic Safety Services Association Flagging Certified
- Extensive traffic control training
- Extensive confined space training
- Licensed Water Operator – Maryland

Project Leader: Asher Budka

Asher Budka has been with the Company since August 2007. Prior to being employed at M.E. Simpson Company, Asher served 6 years active duty in the US Navy as a Nuclear Electronics Technician 2nd Class. Asher possesses 4 ½ years of operating US Navy Nuclear Power Plants as a Reactor Operator and performed preventive, and corrective maintenance on Reactor Instrumentation and Control equipment including Venturi flow meter calibrations. He also received training in fluid flow, hydraulics, schematic and blueprint reading from the Navy that has aided in the understanding of water distribution systems and their flow characteristics. He recently obtained his Bachelor's Degree of Science in Project Management from Colorado Technical University. Asher has traveled all over the country completing various projects in Arizona, California, New Mexico, Texas, Florida, Georgia, Maryland, Connecticut, Massachusetts, New York, Virginia, and has also traveled halfway around the world to perform a project on Diego Garcia. He has attended numerous classes and lectures on the operation and maintenance of water meters. He has experience in the maintenance and installation of water meters, valve location, exercising and mapping, and the use of state-of-the-art leak detection equipment. Asher is experienced in the operation and maintenance of water meters, fire hydrants and main capacity flow testing, and the operation of our Polcon® Flow Testing equipment. He has managed numerous Unidirectional Flushing Programs and trained personnel in the conduction of UDF Programs.

Professional Certifications:

- 10 Hour OSHA Certified for General Industry
- American Red Cross First Aid and CPR with AED Certified
- American Traffic Safety Services Association Flagging Certified
- Extensive traffic control training

- Extensive confined space training

Project Leader: Chris Hughley

Chris Hughley has been with the Company since November 2006. He previously worked in the retail industry before becoming a project leader with M.E. Simpson Company. Chris has traveled all over the country and world completing various projects including jobs in California, New Jersey, Minnesota, Arizona, Georgia and Turkey. Chris has attended numerous classes and lectures on the operation and maintenance of water meters. He has experience in the maintenance and installation of water meters; in valve location, exercising and mapping; and in the use of state-of-the-art leak detection equipment. Chris is experienced in water meter, fire hydrant and water main capacity flow testing, and the operation of our Polcon® Flow Testing equipment.

Professional Certifications:

- 10-Hour OSHA Certified for General Industry
- American Red Cross First Aid and CPR with AED Certified
- American Traffic Safety Services Association Flagging Certified
- Extensive traffic control training
- Extensive confined space training

QA/QC: Aaron M. Horbovetz, PE, PMP

Aaron Horbovetz has been with the Company since September of 1999. He earned his degree in Mechanical Engineering from Purdue University, and is a licensed Professional Engineer in the State of Indiana, since 2016. Aaron is also a certified Project Management Professional (PMP®), since 2013. Aaron is a regular presenter at AWWA conferences, since 2012, both at section meetings and at the ACE conferences, and participates in multiple AWWA committees at both the local and national levels.

He has attended numerous classes and lectures related to the operation, maintenance and installation of water meters, and completed classes in plumbing. Aaron has experience in the following: maintenance and installation of water meters; valve location, exercising and mapping, fire hydrant and main capacity flow testing, and the use of state-of-the-art leak detection equipment. He manages the company's hydraulics services division, including all Pitot testing, pump curve analysis, and C-Factor testing.

Professional Certifications:

- Licensed Professional Engineer, Indiana
- Certified Project Management Professional (PMP)
  - Member of Project Management's Institute Calumet Chapter
- 30 Hour OSHA Certified for General Industry
- American Red Cross First Aid and CPR with AED Certified
- American Traffic Safety Services Association Flagging Certified
- Extensive traffic control training
- Extensive confined space training
- Certified Water Audit Validator (Indiana)

QA/QC: John H. Van Arsdel

John H. Van Arsdel has been with M.E. Simpson Co., Inc. since May 1989. He graduated from Valparaiso University with a B.A. in Geography with an emphasis in Locational Evaluation and Research Design. He has completed water operators classes and seminars on Water Filtration and Distribution, Vulnerability Assessment Class for the Sandia Labs RAM-W method and the RAM-W "modified" for small to medium systems (currently licensed to use the Sandia Labs RAM-W Method, and licensed to teach the RAM-W "modified" for small to medium water systems), along with classes related to the operation and maintenance of water meters, and system hydraulics specifically related to the Polcon® Flow Testing equipment.

John has over 31 years of experience directing projects for water utilities concerning water audits, loss prevention, leak detection programs, meter evaluation and maintenance, flow testing using the Polcon® Flow Testing method (large flow meter assessments, C-factors, pump curves, zone flow measurements), mainline valve assessments (location, exercising and mapping programs), and fire hydrant and main capacity flow testing programs. John has been responsible for the analysis, evaluation, and CAD updating of Water Distribution, Sanitary, and Storm Sewer Atlases using GPS locating. He developed the Company's Unidirectional Main Flushing Program and Utility Atlas Updating Program. He has presented classes for continuing education credits for water operators for over eighteen years to several local and state Water Works Organizations on Water Loss Reduction including Water Audits, Leak Detection, Meter Testing and Flow Testing. He has presented papers at the AWWA ACE in 2007, 2008, 2009, and 2012, At the 2010, 2011, and 2012 AWWA DSS he presented papers on water loss reduction. Since 2003, he has conducted classes on Vulnerability Assessments and Emergency Response Planning for water utilities as well as conducting several VA and ERP projects. He served from 2010 to 2014 as Chair of the AWWA Water Loss Control Committee.

As Vice President of M.E. Simpson Co., Inc., John serves as the main point of contact for client development, business sales and customer relations for the Eastern U.S.

Professional Certifications:

- 30-Hour OSHA Certified for General Industry
- American Red Cross First Aid and CPR with AED Certified
- American Traffic Safety Services Association Flagging Certified
- Extensive traffic control training
- Extensive confined space training
- Certified RAM-W trainer
- Certified Water Audit Validator (California, Indiana)

REFERENCES

Company Overview

For 41 years, M.E. Simpson Co., Inc. has helped utilities across the U.S. locate and resolve water loss control and asset management issues so customers could confidently provide safe, quality water to the community. We use state-of-the-art programs to assist utilities with their water distribution systems condition and performance shortfalls. Simpson's trained professionals work hand-in-hand with utility team members to set up monitoring systems that help them avert future problems.

LEAK SURVEY REFERENCES

City of Joliet, Illinois (2008 - Current)

M.E. Simpson Co., Inc. has been performing water loss assessments for the City of Joliet since 2008, including leak detection surveys and "on call" emergency leak detection services as a way to reduce water loss in the distribution system. The program for 2019 surveyed approximately 685 miles of water main and located 130 leaks. These leaks were estimated to be costing the utility in excess of $440.60 per day or $160,817.00 annually. The survey paid for itself in water loss recovery in 4 months based on the Variable Cost (production cost) of water. This project cost a total of $59,200.00 and was completed in 144 days.

Ms. Allison Swisher, P.E.
Director of Public Utilities
City of Joliet
921 East Washington Street
Joliet, Illinois 60433
(815) 724-4230
aswisher@jolietcity.org

Village of Arlington Heights, Illinois (2020 - Current)

M.E. Simpson Co., Inc. is currently conducting a Leak Survey on the water distribution system for the Village consisting of approximately 286 miles of water main as a way for the Village to reduce Real water losses occurring in the distribution system. This leak detection program is part of an overall water loss reduction plan to help the water utility remediate water loss in the system. M.E. Simpson Co., Inc. initially helped with the water loss assessment by conducting a full AWWA Water Audit in 2018 where the Infrastructure Leakage Index was calculated to be 3.14, thus showing a need for Real Loss (Leakage) assessments. The Village owns and operates its own leak detection equipment and has deployed leak crews for several years, however, the water division has engaged M.E. Simpson Co., Inc. to perform a leak survey because the 41 years of experience in water loss assessments including over 36 years of experience performing leak detection across the US. The Leak Survey Program is being conducted in phases over time, thus allowing for Village repair crews to address the leak issues located.

Mr. Scott Shirley
Director of Public Works
Village of Arlington Heights
222 North Ridge Avenue
Arlington Heights, Il 60005

(847) 368-5800
sshirley@vah.com

Village of Downers Grove, Illinois (2011 - 2020)

M.E. Simpson Co., Inc. conducted a Leak Survey on approximately 233 miles per year as a way for the Village to reduce water losses occurring in the distribution system. The completed Leak Survey Program in 2014 resulted in the location of 20 leaks totaling 364,320 gallons of water per day. The leaks were estimated to be costing the utility in excess of $562,491.86 annually using the cost of water sold per 1,000 gallons. This project cost a total of $39,600.00 and was completed in 49 days.

Mr. David Moody
Water Division Manager
Village of Downers Grove
5101 Walnut Avenue
Downers Grove, IL 60515-4074
(630) 434-5462
dmoody@downers.us

New Jersey American Water Corporation, New Jersey (2010 - 2017)

M.E. Simpson Co., Inc. has conducted Leak Surveys on several American Water distribution water systems in the Hunterdon Warren New Jersey American Water Corporation service areas in 2010 and again several times to 2016. New Jersey American Water has a very aggressive leak detection program that employs leak sensors installed at water meters at customer meter settings. Despite the leak detection devices at these locations our surveys located almost *250,000 gallons per day* in estimated leakage the first year and just under *100,000 gallons per day* the second year. In addition, the Utility owns leak detection equipment; however, the staff of M.E. Simpson Co., Inc. performs leak detection work daily and has a great understanding of the parameters of acoustic leak detection and locating leaks and provided additional leak detection support for this area. In the fall of 2012, the eastern shores of New Jersey were hit by Hurricane Sandy where New Jersey American Water has water distribution systems. Some of those water systems were shut down completely from the effects of the storm. M.E. Simpson Co., Inc. was called in on very short notice to field a Leak Detection team for rapid response to assist in the remediation and recovery efforts for these devastated areas. As the water systems were brought back on line, our field crews were deployed to survey areas and locate leakage where ocean front homes' water services had been damaged from the storm surge.

Mr. Russell G Titus
Operations Supervisor, Maintenance Operations: Water Loss Management
New Jersey American Water
120 Raider Boulevard
Hillsborough, New Jersey 08844
(908) 431-3211
Russell.titus@amwater.com

INVESTMENT

A commitment to improving and maximizing the City of De Pere's water distribution system for future generations.

M.E. Simpson Co., Inc. is pleased to present our "Proposal" for a Water Distribution System Leak Detection program for the City of De Pere, Wisconsin. M.E. Simpson Co., Inc. will perform our leak detection services on approximately **217.51 miles** of watermain within the City of De Pere's water distribution system. The survey will be completed by listening on the accessible main line valves, fire hydrants and as needed services by one of our two-man teams with all necessary equipment furnished by M.E. Simpson Co., Inc. as described within this document. The project will also include complete reporting of all issues found, with a final comprehensive report.

****Please see the pricing forms provided by the Village of Allouez, the Village of Bellevue, and the City of De Pere. ****

We thank you for this opportunity to acquaint you with our Water Distribution Leak Detection services and offer this proposal. If you have further inquiries or you wish to discuss our service in more detail, do not hesitate to call us.