



**TWO  
RIVERS**  
WISCONSIN

**PUBLIC WORKS**  
**Engineering Division**  
1717 E. Park Street  
P.O. BOX 87  
Two Rivers, WI 54241-0087



**Memorandum**

*Department of Public Works*

Date: May 6, 2024

To: City Council  
Public Utilities Committee

From: Matthew R Heckenlaible, PE *MRH*  
Director of Public Works / City Engineer

Re: Contract 2-2024 Lateral Replacement Recommendation

After review of the bid tabulation and Town & Country, Engineering, Inc. review letter, I concur with their recommendation to award the contract to Mammoth Construction for the base bid amount of \$3,578,250.00 and the supplementary bid amount of \$391,160.00 for a total contract value of \$3,969,410.00.

Funding for the project will utilize Safe Drinking Water Funds (SDWF), Clean Water Funds (CWF), American Rescue Plan Act (ARPA) Funds and funds owed by the individual property owners (Private Funds).

Task	Funding Source	Per Task	Per Each +/-	Full Water Service
Public Water Services (300)	½+/- ARPA / (2025 SDWF)	\$1,590,250.00	\$5,300.83	\$5,300.83
San. Lat. in roadway (200)	CWF	\$615,250.00	\$3,076.25	
Pavement Restoration (300)	½+/- CWF (2025 SDWF or G.O.)	\$827,010.00	\$2,756.70	\$1,378.35
Private Water Service (200)	SDWF (Reimbursed with ARPA & 'Private Funds')	\$593,750.00	\$2,968.75	\$2,968.75
Private San. Lat. outside roadway	Private Funds	\$343,150.00	\$3,431.50	
<b>Total</b>		<b>\$3,969,410.00</b>		<b>\$9,647.93</b>
<b>Potential Property Owner Cost (\$3,431.50 + \$2,968.75 - \$2,500.00) = \$3,900.25</b>				



May 2, 2024

City of Two Rivers  
1717 East Park Street  
P.O. Box 87  
Two Rivers, WI 54241

Attention: Mr. Gregory E. Buckley, City Manager

Subject: Analysis of Bids and Recommendation for Award of Contract  
2 – 2024 Lateral Replacement

Bid Deadline: May 2, 2024 at 10:00 a.m. local time

Ladies and Gentlemen:

The purpose of this letter is to analyze the bids received for the 2024 Lateral Replacement project and to recommend the award of a contract. This project involves work within the public right-of-way and on private property in approximately 300 locations throughout the City to replace lead water service laterals to homes and businesses. The bid also includes a number of supplementary bid items for the replacement of sanitary laterals, when necessary, into the basements of these buildings.

The pre-bid estimate for the base bid was \$3,613,000.00, and the Supplementary Bid Items were estimated to add \$492,500.00. Sixteen general contractors, sub-contractors, and material suppliers requested sets of the plans, specifications, and bidding documents. Five contractors submitted bids for this project.

A summary of the bids is as follows:

<b>Contractor</b>	<b>Base Bid</b>	<b>Supplementary Bid Items</b>	<b>Total</b>
Mammoth Construction LLC	\$3,578,250.00	\$391,160.00	\$3,969,410.00
Van Rite Plumbing Inc.	\$3,593,600.00	\$436,750.00	\$4,030,350.00
MRJ Inc DBA Joski Sewer	\$3,809,630.00	\$363,250.00	\$4,172,880.00
De Groot, Inc.	\$3,874,368.80	\$479,602.75	\$4,353,971.55
Alfson Excavating LLC	\$3,944,500.00	\$444,500.00	\$4,389,000.00

All of the bids were properly submitted.

The low bidder, using the base bid only, or the base bid and supplementary bid is Mammoth Construction LLC of Manitowoc, Wisconsin, an experienced utility contractor that has completed a similar project for City of Two Rivers in the past. We recommend that Mammoth Construction be awarded a contract for the base bid, plus the supplementary bid, for a total of \$3,969,410.00.

This will be a unit price contract. That is, the contractor will be paid for the work performed on the basis of the unit prices bid. This means that the final costs could be either greater than or less than the bid totals. Also, unexpected conditions are sometimes encountered which result in increased project costs. Therefore, it would be wise to continue to carry the recommended 10% contingency.

If you have any questions with respect to our thoughts on this matter, I am available at your convenience to discuss them with you.

Respectfully,  
TOWN & COUNTRY ENGINEERING, INC.



Greg Droessler, P.E.  
Vice-President

GJD:sai

J:\JOB#S\Two Rivers\TR-40-M9 2024 SDW and CWF Loan\10. Construction\A. Bidding\2 - 2024 Lateral Replacement\Recommendation Ltr.docx

**BID TABULATION**

Project: 2 – 2024 Lateral Replacement; City of Two Rivers

Engineer's Project Number: TR 40 (2) Bid Deadline: May 2, 2024 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	QUANT.	UNITS	PRE-BID ESTIMATE		Mammoth Construction		Van Rite Plumbing Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
<b>BASE BID - PART 1 PUBLIC IMPROVEMENTS</b>									
1.	1" Tap and Corporation Stop	300	each	\$ 1,500.00	\$ 450,000.00	\$ 4,400.00	\$ 1,320,000.00	\$ 4,150.00	\$ 1,245,000.00
2.	1" HDPE Water Service - Long	150	each	\$ 4,000.00	\$ 600,000.00	\$ 600.00	\$ 90,000.00	\$ 40.00	\$ 6,000.00
3.	1" HDPE Water Service - Short	150	each	\$ 2,000.00	\$ 300,000.00	\$ 500.00	\$ 75,000.00	\$ 40.00	\$ 6,000.00
4.	1" Valve and Box	300	each	\$ 350.00	\$ 105,000.00	\$ 350.00	\$ 105,000.00	\$ 300.00	\$ 90,000.00
5.	Televising for Existing Sanitary Lateral Inspection	200	each	\$ 125.00	\$ 25,000.00	\$ 85.00	\$ 17,000.00	\$ 150.00	\$ 30,000.00
6.	6" PVC Sanitary Lateral	3,000	lin. ft.	\$ 70.00	\$ 210,000.00	\$ 50.00	\$ 150,000.00	\$ 50.00	\$ 150,000.00
7.	4" PVC Sanitary Lateral	3,000	lin. ft.	\$ 70.00	\$ 210,000.00	\$ 48.00	\$ 144,000.00	\$ 46.00	\$ 138,000.00
8.	8" Sanitary Sewer Wye - Cut in	80	each	\$ 2,000.00	\$ 160,000.00	\$ 1,800.00	\$ 144,000.00	\$ 2,250.00	\$ 180,000.00
9.	10" Sanitary Sewer Wye - Cut in	40	each	\$ 2,200.00	\$ 88,000.00	\$ 1,800.00	\$ 72,000.00	\$ 2,300.00	\$ 92,000.00
10.	Sanitary Lateral Saddle Tee	80	each	\$ 1,000.00	\$ 80,000.00	\$ 1,000.00	\$ 80,000.00	\$ 1,750.00	\$ 140,000.00
11.	Sanitary Lateral Tracer Wire System	200	each	\$ 150.00	\$ 30,000.00	\$ 40.00	\$ 8,000.00	\$ 38.00	\$ 7,600.00
12.	6" Thick Concrete Pavement	6,000	sq. yard	\$ 75.00	\$ 450,000.00	\$ 98.00	\$ 588,000.00	\$ 86.50	\$ 519,000.00
13.	8" Thick Concrete Pavement	1,000	sq. yard	\$ 85.00	\$ 85,000.00	\$ 104.00	\$ 104,000.00	\$ 95.25	\$ 95,250.00
14.	4" Thick Concrete Sidewalk Replacement	15,000	sq. ft.	\$ 6.00	\$ 90,000.00	\$ 9.75	\$ 146,250.00	\$ 9.25	\$ 138,750.00
15.	30" Concrete Curb and Gutter Replacement	3,000	lin. ft.	\$ 15.00	\$ 45,000.00	\$ 30.00	\$ 90,000.00	\$ 25.00	\$ 75,000.00
<b>TOTAL BASE BID PART 1</b>					\$ 2,928,000.00		\$ 3,133,250.00		\$ 2,912,600.00
<b>PUBLIC IMPROVEMENTS</b>									
<b>BASE BID - PART 2 PRIVATE SERVICE LATERALS</b>									
16.	1" HDPE Water Service	200	each	\$ 2,000.00	\$ 400,000.00	\$ 1,510.00	\$ 302,000.00	\$ 2,550.00	\$ 510,000.00
17.	Pre-Construction Meeting with Property Owner, Contractor, & City Staff	200	each	\$ 125.00	\$ 25,000.00	\$ 85.00	\$ 17,000.00	\$ 100.00	\$ 20,000.00
18.	Wall Core (1" Diameter Pipe)	200	each	\$ 100.00	\$ 20,000.00	\$ 5.00	\$ 1,000.00	\$ 5.00	\$ 1,000.00
19.	Reconnect Water Service Inside Building	200	each	\$ 1,200.00	\$ 240,000.00	\$ 625.00	\$ 125,000.00	\$ 750.00	\$ 150,000.00
<b>TOTAL BASE BID PART 2</b>					\$ 685,000.00		\$ 445,000.00		\$ 681,000.00
<b>PRIVATE SERVICE LATERALS</b>									
<b>TOTAL BASE BID PARTS 1 AND 2</b>					\$ 3,613,000.00		\$ 3,578,250.00		\$ 3,593,600.00

**BID TABULATION**

Project: 2 – 2024 Lateral Replacement; City of Two Rivers  
 Engineer's Project Number: TR 40 (2) Bid Deadline: May 2, 2024 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	PRE-BID ESTIMATE		Mammoth Construction		Van Rite Plumbing Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
<b>SUPPLEMENTARY BID ITEMS - PRIVATE SERVICE LATERALS</b>									
S1.	6" PVC Sanitary Lateral	1,300	lin. ft.	\$ 65.00	\$ 84,500.00	\$ 50.00	\$ 65,000.00	\$ 30.00	\$ 39,000.00
S2.	4" PVC Sanitary Lateral	1,300	lin. ft.	\$ 65.00	\$ 84,500.00	\$ 48.00	\$ 62,400.00	\$ 20.00	\$ 26,000.00
S3.	Wall Core (6" Dia. Pipe or Less)	100	each	\$ 125.00	\$ 12,500.00	\$ 10.00	\$ 1,000.00	\$ 30.00	\$ 3,000.00
S4.	Televising for Sanitary Lateral Acceptance	100	each	\$ 125.00	\$ 12,500.00	\$ 85.00	\$ 8,500.00	\$ 175.00	\$ 17,500.00
S5.	Reconnect Sanitary Lateral Inside Building (Above Basement Floor)	25	each	\$ 800.00	\$ 20,000.00	\$ 750.00	\$ 18,750.00	\$ 1,200.00	\$ 30,000.00
S6.	Reconnect Sanitary Lateral Inside Building (Below Basement Floor)	75	each	\$ 2,500.00	\$ 187,500.00	\$ 2,500.00	\$ 187,500.00	\$ 3,150.00	\$ 236,250.00
S7.	Removal and Replacement of Unsuitable Backfill	100	cu. yds.	\$ 25.00	\$ 2,500.00	\$ 0.10	\$ 10.00	\$ 25.00	\$ 2,500.00
S8.	Topsoil Restoration, Seeding, Fertilizer, and Erosion Mat	3,000	sq. yard	\$ 12.00	\$ 36,000.00	\$ 15.00	\$ 45,000.00	\$ 10.00	\$ 30,000.00
S9.	Relocate Water Meter	5	each	\$ 2,500.00	\$ 12,500.00	\$ 500.00	\$ 2,500.00	\$ 500.00	\$ 2,500.00
S10.	Exploratory Excavation	100	each	\$ 400.00	\$ 40,000.00	\$ 5.00	\$ 500.00	\$ 500.00	\$ 50,000.00
<b>TOTAL SUPPLEMENTARY BID ITEMS</b>					\$ 492,500.00		\$ 391,160.00		\$ 436,750.00

**BID TABULATION**

Project: 2 – 2024 Lateral Replacement; City of Two Rivers

Engineer's Project Number: TR 40 (2) Bid Deadline: May 2, 2024 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	QUANT.	UNITS	MRJ Inc DBA Joski Sewer		De Groot, Inc.		Alfson Excavating LLC	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
<b>BASE BID - PART 1 PUBLIC IMPROVEMENTS</b>									
1.	1" Tap and Corporation Stop	300	each	\$ 3,700.00	\$ 1,110,000.00	\$ 1,549.42	\$ 464,826.00	\$ 400.00	\$ 120,000.00
2.	1" HDPE Water Service - Long	150	each	\$ 675.00	\$ 101,250.00	\$ 1,484.59	\$ 222,688.50	\$ 4,000.00	\$ 600,000.00
3.	1" HDPE Water Service - Short	150	each	\$ 675.00	\$ 101,250.00	\$ 963.47	\$ 144,520.50	\$ 3,500.00	\$ 525,000.00
4.	1" Valve and Box	300	each	\$ 390.00	\$ 117,000.00	\$ 430.59	\$ 129,177.00	\$ 300.00	\$ 90,000.00
5.	Televising for Existing Sanitary Lateral Inspection	200	each	\$ 150.00	\$ 30,000.00	\$ 198.19	\$ 39,238.00	\$ 150.00	\$ 30,000.00
6.	6" PVC Sanitary Lateral	3,000	lin. ft.	\$ 57.00	\$ 171,000.00	\$ 53.29	\$ 159,870.00	\$ 125.00	\$ 375,000.00
7.	4" PVC Sanitary Lateral	3,000	lin. ft.	\$ 53.00	\$ 159,000.00	\$ 46.45	\$ 139,350.00	\$ 120.00	\$ 360,000.00
8.	8" Sanitary Sewer Wye - Cut in	80	each	\$ 2,500.00	\$ 200,000.00	\$ 2,631.09	\$ 210,487.20	\$ 1,500.00	\$ 120,000.00
9.	10" Sanitary Sewer Wye - Cut in	40	each	\$ 2,500.00	\$ 100,000.00	\$ 2,968.94	\$ 118,757.60	\$ 1,750.00	\$ 70,000.00
10.	Sanitary Lateral Saddle Tee	80	each	\$ 1,900.00	\$ 152,000.00	\$ 3,263.55	\$ 261,084.00	\$ 750.00	\$ 60,000.00
11.	Sanitary Lateral Tracer Wire System	200	each	\$ 150.00	\$ 30,000.00	\$ 145.44	\$ 29,088.00	\$ 150.00	\$ 30,000.00
12.	6" Thick Concrete Pavement	6,000	sq. yard	\$ 88.24	\$ 529,440.00	\$ 110.72	\$ 664,320.00	\$ 100.00	\$ 600,000.00
13.	8" Thick Concrete Pavement	1,000	sq. yard	\$ 96.24	\$ 96,240.00	\$ 118.17	\$ 118,170.00	\$ 108.00	\$ 108,000.00
14.	4" Thick Concrete Sidewalk Replacement	15,000	sq. ft.	\$ 9.25	\$ 138,750.00	\$ 9.63	\$ 144,450.00	\$ 12.00	\$ 180,000.00
15.	30" Concrete Curb and Gutter Replacement	3,000	lin. ft.	\$ 29.50	\$ 88,500.00	\$ 30.69	\$ 92,070.00	\$ 37.50	\$ 112,500.00
	<b>TOTAL BASE BID PART 1</b>				\$ 3,124,430.00		\$ 2,938,096.80		\$ 3,380,500.00
	<b>PUBLIC IMPROVEMENTS</b>								
<b>BASE BID - PART 2 PRIVATE SERVICE LATERALS</b>									
16.	1" HDPE Water Service	200	each	\$ 800.00	\$ 160,000.00	\$ 3,120.90	\$ 624,180.00	\$ 1,500.00	\$ 300,000.00
17.	Pre-Construction Meeting with Property Owner, Contractor, & City Staff	200	each	\$ 125.00	\$ 25,000.00	\$ 260.08	\$ 52,016.00	\$ 150.00	\$ 30,000.00
18.	Wall Core (1" Diameter Pipe)	200	each	\$ 1.00	\$ 200.00	\$ 260.08	\$ 52,016.00	\$ 70.00	\$ 14,000.00
19.	Reconnect Water Service Inside Building	200	each	\$ 2,500.00	\$ 500,000.00	\$ 1,040.30	\$ 208,060.00	\$ 1,100.00	\$ 220,000.00
	<b>TOTAL BASE BID PART 2</b>				\$ 685,200.00		\$ 936,272.00		\$ 564,000.00
	<b>PRIVATE SERVICE LATERALS</b>								
	<b>TOTAL BASE BID PARTS 1 AND 2</b>				\$ 3,809,630.00		\$ 3,874,368.80		\$ 3,944,500.00

**BID TABULATION**

Project: 2 – 2024 Lateral Replacement; City of Two Rivers

Engineer's Project Number: TR 40 (2) Bid Deadline: May 2, 2024 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	MRJ Inc DBA Joski Sewer		De Groot, Inc.		Alfson Excavating LLC		
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
<b>SUPPLEMENTARY BID ITEMS - PRIVATE SERVICE LATERALS</b>										
S1.	6" PVC Sanitary Lateral		1,300	lin. ft.	\$ 57.00	\$ 74,100.00	\$ 10.40	\$ 13,520.00	\$ 15.00	\$ 19,500.00
S2.	4" PVC Sanitary Lateral		1,300	lin. ft.	\$ 53.00	\$ 68,900.00	\$ 5.20	\$ 6,760.00	\$ 10.00	\$ 13,000.00
S3.	Wall Core (6" Dia. Pipe or Less)		100	each	\$ 5.00	\$ 500.00	\$ 520.15	\$ 52,015.00	\$ 300.00	\$ 30,000.00
S4.	Televising for Sanitary Lateral Acceptance		100	each	\$ 125.00	\$ 12,500.00	\$ 202.00	\$ 20,200.00	\$ 150.00	\$ 15,000.00
S5.	Reconnect Sanitary Lateral Inside Building (Above Basement Floor)		25	each	\$ 800.00	\$ 20,000.00	\$ 2,080.60	\$ 52,015.00	\$ 2,000.00	\$ 50,000.00
S6.	Reconnect Sanitary Lateral Inside Building (Below Basement Floor)		75	each	\$ 1,200.00	\$ 90,000.00	\$ 2,600.75	\$ 195,056.25	\$ 2,500.00	\$ 187,500.00
S7.	Removal and Replacement of Unsuitable Backfill		100	cu. yds.	\$ 15.00	\$ 1,500.00	\$ 25.25	\$ 2,525.00	\$ 30.00	\$ 3,000.00
S8.	Topsoil Restoration, Seeding, Fertilizer, and Erosion Mat		3,000	sq. yard	\$ 25.00	\$ 75,000.00	\$ 12.12	\$ 36,360.00	\$ 8.00	\$ 24,000.00
S9.	Relocate Water Meter		5	each	\$ 150.00	\$ 750.00	\$ 1,040.30	\$ 5,201.50	\$ 500.00	\$ 2,500.00
S10.	Exploratory Excavation		100	each	\$ 200.00	\$ 20,000.00	\$ 959.50	\$ 95,950.00	\$ 1,000.00	\$ 100,000.00
<b>TOTAL SUPPLEMENTARY BID ITEMS</b>						\$ 363,250.00		\$ 479,602.75		\$ 444,500.00