

February 24, 2022

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

Attention: Mr. Greg Buckley, City Manager

Subject: Analysis of Bids and Recommendation for Award of Contracts; 2 - 2022 Lateral Replacement; City of Two Rivers

Bid Deadline: February 23, 2022 at 11:00 a.m. local time

Ladies and Gentlemen:

The purpose of this letter is to analyze the bids received for the 2022 Lateral Replacement project and to recommend award of a contract. This project involves replacement of sanitary sewer laterals and lead service lines from the public main to the property line and from the property line to inside each building or home, as well as private service lateral supplementary bid items.

The pre-bid estimate for the base bid was \$586,555.00, and \$868,380.00 for the entire project. Eleven general contractors, subcontractors, and material suppliers requested sets of the plans, specifications, and bidding documents. Four contractors submitted bids.

A summary of the bids is as follows:

Contractor	Base Bid	Supplemental Bid Total	Total
Essential Sewer and Water	\$456,225.00	\$250,075.00	\$706,300.00
Mammoth Construction	\$528,825.00	\$303,275.00	\$832,100.00
Korff Plumbing LLC	\$585,000.00	\$309,000.00	\$894,000.00
Advance Construction Inc.	\$654,850.00	\$338,075.00	\$992,925.00

All of the bids were properly submitted, but Essential Sewer and Water had minor mathematical errors. These errors have been corrected as shown above and in the attached bid tabulation. These may be waived as minor informalities, and we so recommend.

The low bidder, using the base bid only, or the base bid and supplemental bid is Essential Sewer and Water of Manitowoc, Wisconsin, an experienced utility contractor that completed similar projects. We recommend that Essential Sewer and Water be awarded a contract for the base bid, plus the supplemental bids, for a total of \$706,300.00.

This will be a unit price contract. That is, the contractor will be paid for the work actually performed on the basis on 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.

As this project is intended to be funded in part through both the Wisconsin DNR's Safe Drinking Water Loan Program (SDWLP) and Clean Water Fund (CWF) loan programs, the City will need to execute this agreement and provided a signed copy to the Wisconsin DNR by March 31st to secure the grant and loan funding to be utilized.

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

Very Truly Yours,
TOWN & COUNTRY ENGINEERING, INC.

A handwritten signature in blue ink, appearing to read "Greg J. Droessler", written in a cursive style.

Gregory J. Droessler, P.E.
Vice-President

BID TABULATION

Project:
Engineer's Project Number:

2 - 2022 Lateral Replacement
R 36 (2) Bid Deadline: February 23, 2022 at 11:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	PRE-BID ESTIMATE UNIT PRICE	AMOUNT	Essential Sewer and Water UNIT PRICE	AMOUNT	Mammoth Construction UNIT PRICE	AMOUNT
BASE BID - PART 1 PUBLIC IMPROVEMENTS									
1.	1" Tap and Corporation Stop	50	each	\$ 3,575.00	\$ 178,750.00	\$ 740.00	\$ 37,000.00	\$ 4,400.00	\$ 220,000.00
2.	1" HDPE Water Service - Open Cut or Pulled	1,500	lin. ft.	\$ 99.00	\$ 148,500.00	\$ 90.00	\$ 135,000.00	\$ 40.00	\$ 60,000.00
3.	1" Valve and Box	50	each	\$ 300.00	\$ 15,000.00	\$ 320.00	\$ 16,000.00	\$ 275.00	\$ 13,750.00
4.	Televising for Existing Sanitary Lateral Inspection	50	each	\$ 105.00	\$ 5,250.00	\$ 110.00	\$ 5,500.00	\$ 95.00	\$ 4,750.00
5.	6" Sanitary Lateral - Open Cut (Schedule 40 PVC)	1,000	lin. ft.	\$ 66.00	\$ 66,000.00	\$ 72.00	\$ 72,000.00	\$ 48.00	\$ 48,000.00
6.	4" Sanitary Lateral - Open Cut (Schedule 40 PVC)	500	lin. ft.	\$ 66.00	\$ 33,000.00	\$ 65.00	\$ 32,500.00	\$ 46.00	\$ 23,000.00
7.	Sanitary Lateral Saddle Tee	25	each	\$ 1,320.00	\$ 33,000.00	\$ 600.00	\$ 15,000.00	\$ 1,200.00	\$ 30,000.00
8.	Sanitary Lateral Tracer Wire System	5	each	\$ 215.00	\$ 1,075.00	\$ 105.00	\$ 525.00	\$ 25.00	\$ 125.00
	TOTAL BASE BID PART 1				\$ 480,575.00		\$ 313,525.00		\$ 399,625.00
BASE BID - PART 2 PRIVATE SERVICE LATERALS									
9.	1" HDPE Water Service - Open Cut	200	lin. ft.	\$ 99.00	\$ 19,800.00	\$ 75.00	\$ 15,000.00	\$ 90.00	\$ 18,000.00
10.	1" Water Service - Pulled	750	lin. ft.	\$ 99.00	\$ 74,250.00	\$ 75.00	\$ 56,250.00	\$ 90.00	\$ 67,500.00
11.	Pre-Construction Meeting with Property Owner, Contractor, & City Staff	50	each	\$ 100.00	\$ 5,000.00	\$ 80.00	\$ 4,000.00	\$ 95.00	\$ 4,750.00
12.	Wall Core (1" Diameter Pipe)	20	each	\$ 99.00	\$ 1,980.00	\$ 60.00	\$ 1,200.00	\$ 10.00	\$ 200.00
13.	Reconnect Water Service Inside Building	50	each	\$ 99.00	\$ 4,950.00	\$ 1,325.00	\$ 66,250.00	\$ 775.00	\$ 38,750.00
	TOTAL BASE BID PART 2				\$ 105,980.00		\$ 142,700.00		\$ 129,200.00
	TOTAL BASE BID PARTS 1 AND 2				\$ 586,555.00		\$ 456,225.00		\$ 528,825.00

BID TABULATION

SUPPLEMENTARY BID ITEMS - PRIVATE SERVICE LATERALS									
S1.	6" Sanitary Lateral - Open Cut (Schedule 40 PVC)	250 lin. ft.	\$	66.00	\$	16,500.00	\$	62.50	\$ 15,625.00
S2.	4" Sanitary Lateral - Open Cut (Schedule 40 PVC)	250 lin. ft.	\$	66.00	\$	16,500.00	\$	58.00	\$ 14,500.00
S3.	Wall Core (6" Diameter Pipe or Less)	5 each	\$	110.00	\$	550.00	\$	125.00	\$ 625.00
S4.	Televising for Sanitary Lateral Acceptance	5 each	\$	105.00	\$	525.00	\$	125.00	\$ 625.00
S5.	6" Sanitary Lateral - Pipe Burst (Schedule 17 PE)	500 lin. ft.	\$	46.00	\$	23,000.00	\$	76.00	\$ 38,000.00
S6.	4" Sanitary Lateral - Pipe Burst (Schedule 17 PE)	500 lin. ft.	\$	44.00	\$	22,000.00	\$	71.00	\$ 35,500.00
S7.	Reconnect Sanitary Lateral Inside Building (Above Basement Floor)	10 each	\$	880.00	\$	8,800.00	\$	600.00	\$ 6,000.00
S8.	Reconnect Sanitary Lateral Inside Building (Below Basement Floor)	40 each	\$	2,200.00	\$	88,000.00	\$	950.00	\$ 38,000.00
S9.	Removal and Replacement of Unsuitable Backfill	100 cu. yds.	\$	25.00	\$	2,500.00	\$	15.00	\$ 1,500.00
S10.	1" HDPE Water Service Pulled with 6" HDPE Sewer Service	600 lin. ft.	\$	99.00	\$	59,400.00	\$	66.50	\$ 39,900.00
Public Surface Restoration									
S11.	4" Thick Asphalt Pavement	200 lin. ft.	\$	88.00	\$	17,600.00	\$	84.00	\$ 16,800.00
S12.	6" Thick Concrete Pavement	200 lin. ft.	\$	95.00	\$	19,000.00	\$	105.00	\$ 21,000.00
S13.	Topsoil Restoration, Seeding, Fertilizing and Erosion Mat	500 sq. yd.	\$	10.50	\$	5,250.00	\$	24.00	\$ 12,000.00
Exploratory									
S14.	Exploratory Excavation	5 each	\$	440.00	\$	2,200.00	\$	2,000.00	\$ 10,000.00
TOTAL SUPPLEMENTARY BID ITEMS					\$ 281,825.00		\$ 250,075.00	\$ 100.00	\$ 500.00
									\$ 303,275.00

BID TABULATION

Project:
Engineer's Project Number:

2 - 2022 Lateral Replacement
FR 36 (2)

Bid Deadline: February 23, 2022 at 11:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	Korff Plumbing LLC UNIT PRICE	AMOUNT	Advance Construction Inc. UNIT PRICE	AMOUNT		
BASE BID - PART 1 PUBLIC IMPROVEMENTS									
1.	1" Tap and Corporation Stop	50	each	\$ 3,800.00	\$ 190,000.00	\$ 3,400.00	\$ 170,000.00		
2.	1" HDPE Water Service - Open Cut or Pulled	1,500	lin. ft.	\$ 25.00	\$ 37,500.00	\$ 45.00	\$ 67,500.00		
3.	1" Valve and Box	50	each	\$ 750.00	\$ 37,500.00	\$ 550.00	\$ 27,500.00		
4.	Televising for Existing Sanitary Lateral Inspection	50	each	\$ 100.00	\$ 5,000.00	\$ 135.00	\$ 6,750.00		
5.	6" Sanitary Lateral - Open Cut (Schedule 40 PVC)	1,000	lin. ft.	\$ 65.00	\$ 65,000.00	\$ 55.50	\$ 55,500.00		
6.	4" Sanitary Lateral - Open Cut (Schedule 40 PVC)	500	lin. ft.	\$ 65.00	\$ 32,500.00	\$ 51.50	\$ 25,750.00		
7.	Sanitary Lateral Saddle Tee	25	each	\$ 1,800.00	\$ 45,000.00	\$ 4,400.00	\$ 110,000.00		
8.	Sanitary Lateral Tracer Wire System	5	each	\$ 250.00	\$ 1,250.00	\$ 1,000.00	\$ 5,000.00		
	TOTAL BASE BID PART 1				\$ 413,750.00		\$ 468,000.00		
BASE BID - PART 2 PRIVATE SERVICE LATERALS									
9.	1" HDPE Water Service - Open Cut	200	lin. ft.	\$ 40.00	\$ 8,000.00	\$ 39.50	\$ 7,900.00		
10.	1" Water Service - Pulled	750	lin. ft.	\$ 35.00	\$ 26,250.00	\$ 15.00	\$ 11,250.00		
11.	Pre-Construction Meeting with Property Owner, Contractor, & City Staff	50	each	\$ 250.00	\$ 12,500.00	\$ 100.00	\$ 5,000.00		
12.	Wall Core (1" Diameter Pipe)	20	each	\$ 100.00	\$ 2,000.00	\$ 10.00	\$ 200.00		
13.	Reconnect Water Service Inside Building	50	each	\$ 2,450.00	\$ 122,500.00	\$ 3,250.00	\$ 162,500.00		
	TOTAL BASE BID PART 2				\$ 171,250.00		\$ 186,850.00		
	TOTAL BASE BID PARTS 1 AND 2				\$ 585,000.00		\$ 654,850.00		

BID TABULATION

SUPPLEMENTARY BID ITEMS - PRIVATE SERVICE LATERALS									
S1.	6" Sanitary Lateral - Open Cut (Schedule 40 PVC)	250 lin. ft.	\$	65.00	\$	16,250.00	\$	55.00	\$ 13,750.00
S2.	4" Sanitary Lateral - Open Cut (Schedule 40 PVC)	250 lin. ft.	\$	65.00	\$	16,250.00	\$	55.00	\$ 13,750.00
S3.	Wall Core (6" Diameter Pipe or Less)	5 each	\$	100.00	\$	500.00	\$	10.00	\$ 50.00
S4.	Televising for Sanitary Lateral Acceptance	5 each	\$	100.00	\$	500.00	\$	85.00	\$ 425.00
S5.	6" Sanitary Lateral - Pipe Burst (Schedule 17 PE)	500 lin. ft.	\$	70.00	\$	35,000.00	\$	18.00	\$ 9,000.00
S6.	4" Sanitary Lateral - Pipe Burst (Schedule 17 PE)	500 lin. ft.	\$	70.00	\$	35,000.00	\$	15.00	\$ 7,500.00
S7.	Reconnect Sanitary Lateral Inside Building (Above Basement Floor)	10 each	\$	1,000.00	\$	10,000.00	\$	3,200.00	\$ 32,000.00
S8.	Reconnect Sanitary Lateral Inside Building (Below Basement Floor)	40 each	\$	2,500.00	\$	100,000.00	\$	3,650.00	\$ 146,000.00
S9.	Removal and Replacement of Unsuitable Backfill	100 cu. yds.	\$	34.00	\$	3,400.00	\$	29.00	\$ 2,900.00
S10.	1" HDPE Water Service Pulled with 6" HDPE Sewer Service	600 lin. ft.	\$	75.00	\$	45,000.00	\$	4.50	\$ 2,700.00
Public Surface Restoration									
S11.	4" Thick Asphalt Pavement	200 lin. ft.	\$	88.00	\$	17,600.00	\$	250.00	\$ 50,000.00
S12.	6" Thick Concrete Pavement	200 lin. ft.	\$	85.00	\$	17,000.00	\$	250.00	\$ 50,000.00
S13.	Topsoil Restoration, Seeding, Fertilizing and Erosion Mat	500 sq. yd.	\$	13.00	\$	6,500.00	\$	10.00	\$ 5,000.00
Exploratory									
S14.	Exploratory Excavation	5 each	\$	1,200.00	\$	6,000.00	\$	1,000.00	\$ 5,000.00
TOTAL SUPPLEMENTARY BID ITEMS					\$	309,000.00		\$	338,075.00