

FOR BOARD ACTION

Agenda Item # 4

Meeting Date:

5/14/13

SUBJECT: Consideration of Bids – 3.4 Million Gallon Reservoir Project – Phase 1 (Watermain Improvements)

PREPARED BY: Doug Rovang, Sr. Civil Engineer
Bob Ledebuhr, C.P.M., Materials Manager

ITEM DESCRIPTION:

The City Council has approved the zoning variances necessary for construction of the replacement reservoir to be located near the intersection of 4th St and 10th Ave SW. The Park Board has approved the proposed locations of the replacement watermains in the Saint Marys Park area. Therefore, construction of this project can now proceed.

Unit price bids were received on April 24 for the Phase 1 watermain improvements portion of the 3.4 Million Gallon Reservoir Project. The attached drawing shows the locations of the watermains to be replaced. If approved by the Utility Board, work on this portion of the replacement reservoir project will begin in late May. The watermains are to be installed by early July when construction of the replacement reservoir is scheduled to begin.

Bids for construction of the Phase 2 Reservoir are scheduled to be received on May 14, and brought to the May 28 Utility Board meeting for Board consideration. A bid tabulation is attached.

Four unit price bids were received:

TH's Trucking & Excavating Inc -	\$437,400.00
Blitz Construction, LLC -	\$371,276.30
Elcor Construction -	\$341,815.00 \$343,736.00 *
Jech Excavating, Inc -	\$304,372.90 (Lowest, responsible bid)
Engineer's Estimate -	\$341,815.00

*** Elcor Construction bid amount incorrectly transferred to FBA from Bid Tab.**

FOR CAPITAL PURCHASES/BIDS/MAJOR PROJECTS:

The proposed watermain improvements are Part 1 of the two-part replacement reservoir project budgeted for 2013 and 2014. (\$2.1 million from Water Utility reserve funds and \$1.5 million from Water Availability Charge [WAC] funds.)

UTILITY BOARD ACTION REQUIRED:

Staff recommends that the Board approve a unit price contract agreement in the amount of \$304,372.90 with Jech Excavating, Inc. for the 3.4 million gallon reservoir project Phase 1 – Watermain Improvements. Management further recommends that the Board authorize staff to manage project change orders using the existing approval structure and authorization levels.



General Manager



Date

ROCHESTER PUBLIC UTILITIES

3.4 MG RESERVOIR PROJECT - PHASE I WATERMAIN (BID TABULATION - 4/24/2013)

WHKS & Co.

Letting Date: April 24, 2013

3.4 Million Gallon Reservoir Project - Phase 1 Watermain Improvements Rochester Public Utilities Rochester, MN				Engineers Estimate		Elcor Construction 123 Carlton Street SW Rochester, MN 55902		TJ's Trucking & Excavating Inc. 1762 Ronco Avenue Winona, MN 55987	
Line No.	ITEM	QUANTITY	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	
1	Mobilization	1	LS	\$15,000.00	\$15,000.00	\$1,500.00	\$1,500.00	\$6,800.00	\$6,800.00
2	Remove Biluminous Pavement	980	SQ YD	\$3.00	\$2,940.00	\$2.50	\$2,450.00	\$3.00	\$2,940.00
3	Remove Concrete Curb and Gutter	440	LIN FT	\$3.00	\$1,320.00	\$2.00	\$880.00	\$5.00	\$2,200.00
4	Remove Concrete Sidewalk	470	SQ FT	\$1.00	\$470.00	\$1.00	\$470.00	\$2.00	\$940.00
5	Remove Retaining Wall	1	LS	\$500.00	\$500.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00
6	Remove Gate Valve & Box	7	EACH	\$100.00	\$700.00	\$150.00	\$1,050.00	\$750.00	\$5,250.00
7	Remove Watermain	230	LIN FT	\$5.00	\$1,150.00	\$4.00	\$920.00	\$12.00	\$2,760.00
8	Remove Hydrant	1	EACH	\$250.00	\$250.00	\$250.00	\$250.00	\$400.00	\$400.00
9	Remove Catch Basin	1	EACH	\$100.00	\$100.00	\$350.00	\$350.00	\$200.00	\$200.00
10	Remove Storm Sewer Pipe	23	LIN FT	\$10.00	\$230.00	\$10.00	\$230.00	\$5.00	\$115.00
11	Relocate Sign	1	EACH	\$50.00	\$50.00	\$50.00	\$50.00	\$150.00	\$150.00
12	Abandon Water Valve Vault	1	EACH	\$1,000.00	\$1,000.00	\$900.00	\$900.00	\$400.00	\$400.00
13	Abandon Watermain	13	EACH	\$250.00	\$3,250.00	\$150.00	\$1,950.00	\$110.00	\$1,430.00
14	Abandon Valve	1	EACH	\$100.00	\$100.00	\$150.00	\$150.00	\$75.00	\$75.00
15	Adjust Frame and Ring Casting	3	EACH	\$250.00	\$750.00	\$250.00	\$750.00	\$100.00	\$300.00
16	Solid Rock Excavation	100	CU YD	\$50.00	\$5,000.00	\$1.00	\$100.00	\$120.00	\$12,000.00
17	Granular Pipe Bedding (LV)	25	CU YD	\$20.00	\$500.00	\$18.00	\$450.00	\$18.00	\$450.00
18	Common Borrow (LV)	125	CU YD	\$20.00	\$2,500.00	\$10.00	\$1,250.00	\$12.00	\$1,500.00
19	Common Excavation (P)	355	CU YD	\$8.00	\$2,840.00	\$5.00	\$1,775.00	\$11.00	\$3,905.00
20	Exploratory Excavation	30	HRS	\$150.00	\$4,500.00	\$150.00	\$4,500.00	\$320.00	\$9,600.00
21	Topsoil Borrow (LV)	200	CU YD	\$20.00	\$4,000.00	\$7.00	\$1,400.00	\$22.00	\$4,400.00
22	Aggregate Base, Class 5 (CV)	250	CU YD	\$18.00	\$4,500.00	\$32.00	\$8,000.00	\$28.00	\$7,000.00
23	Temporary Aggregate	350	TON	\$15.00	\$5,250.00	\$13.00	\$4,550.00	\$19.00	\$6,650.00
24	SP 9.5 Wearing Course Mix (2,B)	102	TON	\$90.00	\$9,180.00	\$88.00	\$8,976.00	\$108.00	\$10,812.00
25	SP 12.5 Non-Wearing Course Mix (2,B)	174	TON	\$90.00	\$15,660.00	\$88.00	\$15,312.00	\$98.00	\$17,052.00
26	6-Inch Concrete Sidewalk	470	SQ FT	\$6.00	\$2,820.00	\$7.00	\$3,290.00	\$8.00	\$3,760.00
27	Truncated Domes	16	SQ FT	\$40.00	\$640.00	\$32.00	\$512.00	\$44.00	\$704.00
28	Concrete Curb & Gutter, B624	440	LIN FT	\$15.00	\$6,600.00	\$18.00	\$7,920.00	\$24.00	\$10,560.00
29	Concrete Retaining Wall	1	LS	\$500.00	\$500.00	\$2,200.00	\$2,200.00	\$3,800.00	\$3,800.00
30	F & I 4-Inch Polystyrene Insulation	100	SQ FT	\$5.00	\$500.00	\$5.00	\$500.00	\$4.00	\$400.00
31	F & I 16-Inch DIP Class 52	448	LIN FT	\$75.00	\$33,600.00	\$75.00	\$33,600.00	\$112.00	\$50,176.00
32	F & I 12-Inch DIP Class 52	784	LIN FT	\$50.00	\$39,200.00	\$58.00	\$45,472.00	\$102.00	\$79,968.00
33	F & I 8-Inch DIP Class 52	13	LIN FT	\$40.00	\$520.00	\$50.00	\$650.00	\$82.00	\$1,066.00
34	F & I 6-Inch DIP Class 52	12	LIN FT	\$35.00	\$420.00	\$45.00	\$540.00	\$79.00	\$948.00
35	F & I 18" HDPE DIPS DR 11 (HDD)	305	LIN FT	\$125.00	\$38,125.00	\$177.00	\$53,985.00	\$148.00	\$44,530.00
36	F & I 16-Inch Gate Valve & Box	7	EACH	\$5,000.00	\$35,000.00	\$6,500.00	\$45,500.00	\$7,200.00	\$50,400.00
37	F & I 12-Inch Gate Valve & Box	5	EACH	\$2,500.00	\$12,500.00	\$2,750.00	\$13,750.00	\$2,790.00	\$13,950.00
38	F & I 6-Inch Gate Valve & Box	2	EACH	\$800.00	\$1,600.00	\$1,150.00	\$2,300.00	\$1,100.00	\$2,200.00
39	F & I Hydrant	2	EACH	\$3,500.00	\$7,000.00	\$3,350.00	\$6,700.00	\$3,600.00	\$7,200.00
40	F & I Watermain Fittings	5,560	POUND	\$4.00	\$22,240.00	\$5.70	\$31,692.00	\$4.50	\$25,020.00
41	Connect to Existing Watermain	9	EACH	\$1,000.00	\$9,000.00	\$600.00	\$5,400.00	\$450.00	\$4,050.00
42	Booster Station Piping Modifications	1	LS	\$15,000.00	\$15,000.00	\$6,500.00	\$6,500.00	\$7,100.00	\$7,100.00
43	Install 2-Inch PVC Conduit	370	LIN FT	\$4.00	\$1,480.00	\$14.00	\$5,180.00	\$12.00	\$4,440.00
44	F & I 12-Inch RCP Class III	58	LIN FT	\$40.00	\$2,320.00	\$35.00	\$2,030.00	\$48.00	\$2,784.00
45	Construct Structure Type 1	1	STRUC.	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$2,200.00	\$2,200.00
46	Construct Structure Type 4	1	STRUC.	\$2,000.00	\$2,000.00	\$1,700.00	\$1,700.00	\$1,400.00	\$1,400.00
47	Connect into Existing Storm Sewer Pipe	1	EACH	\$1,500.00	\$1,500.00	\$400.00	\$400.00	\$600.00	\$600.00
48	Erosion Control Supervisor	1	LS	\$2,000.00	\$2,000.00	\$150.00	\$150.00	\$1,500.00	\$1,500.00
49	Silt Fence	2,370	LIN FT	\$3.00	\$7,110.00	\$1.60	\$3,792.00	\$2.50	\$5,925.00
50	Inlet Protection	6	EACH	\$200.00	\$1,200.00	\$110.00	\$660.00	\$140.00	\$840.00
51	Rapid Stabilization, Method 3	1	LS	\$5,000.00	\$5,000.00	\$1,300.00	\$1,300.00	\$2,500.00	\$2,500.00
52	Temporary Rock Construction Entrance	1	EACH	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$750.00	\$750.00
53	Sod, Type Lawn	1,800	SQ YD	\$4.00	\$7,200.00	\$3.50	\$6,300.00	\$3.50	\$6,300.00
54	Traffic Control	1	LS	\$3,000.00	\$3,000.00	\$500.00	\$500.00	\$3,500.00	\$3,500.00
TOTAL BID PRICE					\$341,815.00		\$343,736.00		\$437,400.00
RECEIPT OF BID BOND (YES/NO)							Yes		Yes
RECEIPT OF ANENDUMS NO. 1 AND NO. 2 (YES/NO)							Yes		Yes

ROCHESTER PUBLIC UTILITIES

3.4 MG RESERVOIR PROJECT - PHASE I WATERMAIN (BID TABULATION - 4/24/2013)

WHKS & Co.

Letting Date: April 24, 2013

3.4 Million Gallon Reservoir Project - Phase 1 Watermain Improvements Rochester Public Utilities Rochester, MN				Engineers Estimate		Blitz Construction, LLC 8257 Country Club Road Byron, MN 55920		Jech Excavating, Inc. 27854 CR 73 Elgin, MN 55932	
Line No.	ITEM	QUANTITY	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	
1	Mobilization	1	LS	\$15,000.00	\$15,000.00	\$9,970.00	\$9,970.00	\$7,775.00	\$7,775.00
2	Remove Bituminous Pavement	980	SQ YD	\$3.00	\$2,940.00	\$3.00	\$2,940.00	\$3.00	\$2,940.00
3	Remove Concrete Curb and Gutter	440	LIN FT	\$3.00	\$1,320.00	\$3.00	\$1,320.00	\$3.00	\$1,320.00
4	Remove Concrete Sidewalk	470	SQ FT	\$1.00	\$470.00	\$0.50	\$235.00	\$1.50	\$705.00
5	Remove Retaining Wall	1	LS	\$500.00	\$500.00	\$180.00	\$180.00	\$200.00	\$200.00
6	Remove Gate Valve & Box	7	EACH	\$100.00	\$700.00	\$150.00	\$1,050.00	\$300.00	\$2,100.00
7	Remove Watermain	230	LIN FT	\$5.00	\$1,150.00	\$5.00	\$1,150.00	\$5.00	\$1,150.00
8	Remove Hydrant	1	EACH	\$250.00	\$250.00	\$300.00	\$300.00	\$300.00	\$300.00
9	Remove Catch Basin	1	EACH	\$100.00	\$100.00	\$250.00	\$250.00	\$200.00	\$200.00
10	Remove Storm Sewer Pipe	23	LIN FT	\$10.00	\$230.00	\$5.00	\$115.00	\$8.00	\$184.00
11	Relocate Sign	1	EACH	\$50.00	\$50.00	\$100.00	\$100.00	\$200.00	\$200.00
12	Abandon Water Valve Vault	1	EACH	\$1,000.00	\$1,000.00	\$330.00	\$330.00	\$500.00	\$500.00
13	Abandon Watermain	13	EACH	\$250.00	\$3,250.00	\$310.00	\$4,030.00	\$8.00	\$104.00
14	Abandon Valve	1	EACH	\$100.00	\$100.00	\$100.00	\$100.00	\$200.00	\$200.00
15	Adjust Frame and Ring Casting	3	EACH	\$250.00	\$750.00	\$300.00	\$900.00	\$250.00	\$750.00
16	Solid Rock Excavation	100	CU YD	\$50.00	\$5,000.00	\$50.00	\$5,000.00	\$20.00	\$2,000.00
17	Granular Pipe Bedding (LV)	25	CU YD	\$20.00	\$500.00	\$20.00	\$500.00	\$19.00	\$475.00
18	Common Borrow (LV)	125	CU YD	\$20.00	\$2,500.00	\$5.00	\$625.00	\$11.75	\$1,468.75
19	Common Excavation (P)	355	CU YD	\$8.00	\$2,840.00	\$10.00	\$3,550.00	\$4.00	\$1,420.00
20	Exploratory Excavation	30	HRS	\$150.00	\$4,500.00	\$200.00	\$6,000.00	\$230.00	\$6,900.00
21	Topsoil Borrow (LV)	200	CU YD	\$20.00	\$4,000.00	\$10.50	\$2,100.00	\$17.60	\$3,520.00
22	Aggregate Base, Class 5 (CV)	250	CU YD	\$18.00	\$4,500.00	\$37.50	\$9,375.00	\$30.85	\$7,712.50
23	Temporary Aggregate	350	TON	\$15.00	\$5,250.00	\$1.00	\$350.00	\$12.95	\$4,532.50
24	SP 9.5 Wearing Course Mix (2,B)	102	TON	\$90.00	\$9,180.00	\$92.50	\$9,435.00	\$79.00	\$8,058.00
25	SP 12.5 Non-Wearing Course Mix (2,B)	174	TON	\$90.00	\$15,660.00	\$92.50	\$16,095.00	\$76.00	\$13,224.00
26	6-Inch Concrete Sidewalk	470	SQ FT	\$6.00	\$2,820.00	\$6.50	\$3,055.00	\$5.89	\$2,768.30
27	Truncated Domes	16	SQ FT	\$40.00	\$640.00	\$32.00	\$512.00	\$32.00	\$512.00
28	Concrete Curb & Gutter, B624	440	LIN FT	\$15.00	\$6,600.00	\$18.45	\$8,118.00	\$17.95	\$7,898.00
29	Concrete Retaining Wall	1	LS	\$500.00	\$500.00	\$2,200.00	\$2,200.00	\$1,950.00	\$1,950.00
30	F & I 4-Inch Polystyrene Insulation	100	SQ FT	\$5.00	\$500.00	\$3.50	\$350.00	\$5.50	\$550.00
31	F & I 16-Inch DIP Class 52	448	LIN FT	\$75.00	\$33,600.00	\$75.75	\$33,936.00	\$61.85	\$27,708.80
32	F & I 12-Inch DIP Class 52	784	LIN FT	\$50.00	\$39,200.00	\$61.70	\$48,372.80	\$39.20	\$30,732.80
33	F & I 8-Inch DIP Class 52	13	LIN FT	\$40.00	\$520.00	\$60.00	\$780.00	\$32.70	\$425.10
34	F & I 6-Inch DIP Class 52	12	LIN FT	\$35.00	\$420.00	\$60.00	\$720.00	\$28.20	\$338.40
35	F & I 18" HDPE DIPS DR 11 (HDD)	305	LIN FT	\$125.00	\$38,125.00	\$162.00	\$49,410.00	\$101.75	\$31,033.75
36	F & I 16-Inch Gate Valve & Box	7	EACH	\$5,000.00	\$35,000.00	\$7,840.00	\$53,480.00	\$6,200.00	\$43,400.00
37	F & I 12-Inch Gate Valve & Box	5	EACH	\$2,500.00	\$12,500.00	\$2,810.00	\$14,050.00	\$2,800.00	\$14,000.00
38	F & I 6-Inch Gate Valve & Box	2	EACH	\$800.00	\$1,600.00	\$1,112.00	\$2,224.00	\$1,050.00	\$2,100.00
39	F & I Hydrant	2	EACH	\$3,500.00	\$7,000.00	\$3,482.00	\$6,964.00	\$3,400.00	\$6,800.00
40	F & I Watermain Fittings	5,560	POUND	\$4.00	\$22,240.00	\$5.90	\$32,804.00	\$6.75	\$37,530.00
41	Connect to Existing Watermain	9	EACH	\$1,000.00	\$9,000.00	\$735.00	\$6,615.00	\$475.00	\$4,275.00
42	Booster Station Piping Modifications	1	LS	\$15,000.00	\$15,000.00	\$6,425.00	\$6,425.00	\$3,650.00	\$3,650.00
43	Install 2-Inch PVC Conduit	370	LIN FT	\$4.00	\$1,480.00	\$8.00	\$2,960.00	\$6.00	\$2,220.00
44	F & I 12-Inch RCP Class III	58	LIN FT	\$40.00	\$2,320.00	\$34.00	\$1,972.00	\$30.00	\$1,740.00
45	Construct Structure Type 1	1	STRUC.	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00	\$1,100.00	\$1,100.00
46	Construct Structure Type 4	1	STRUC.	\$2,000.00	\$2,000.00	\$2,600.00	\$2,600.00	\$2,500.00	\$2,500.00
47	Connect into Existing Storm Sewer Pipe	1	EACH	\$1,500.00	\$1,500.00	\$600.00	\$600.00	\$500.00	\$500.00
48	Erosion Control Supervisor	1	LS	\$2,000.00	\$2,000.00	\$100.00	\$100.00	\$150.00	\$150.00
49	Silt Fence	2,370	LIN FT	\$3.00	\$7,110.00	\$1.55	\$3,673.50	\$1.60	\$3,792.00
50	Inlet Protection	6	EACH	\$200.00	\$1,200.00	\$200.00	\$1,200.00	\$110.00	\$660.00
51	Rapid Stabilization, Method 3	1	LS	\$5,000.00	\$5,000.00	\$875.00	\$875.00	\$1,300.00	\$1,300.00
52	Temporary Rock Construction Entrance	1	EACH	\$500.00	\$500.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00
53	Sod, Type Lawn	1,800	SQ YD	\$4.00	\$7,200.00	\$3.85	\$6,930.00	\$3.00	\$5,400.00
54	Traffic Control	1	LS	\$3,000.00	\$3,000.00	\$1,350.00	\$1,350.00	\$400.00	\$400.00
TOTAL BID PRICE					\$341,815.00		\$371,276.30		\$304,372.90
RECEIPT OF BID BOND (YES/NO)							Yes		Yes
RECEIPT OF ANENDUMS NO. 1 AND NO. 2 (YES/NO)							Yes		Yes



RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, to approve a unit price contract agreement with JECH EXCAVATING, INC, and to request the Mayor and the City Clerk to execute the agreement for

3.4 Million Gallon Reservoir Project - Phase 1 Watermain Improvements

The amount of the unit price contract agreement to be THREE-HUNDRED-FOUR-THOUSAND-THREE-HUNDRED-SEVENTY-TWO AND 90/100 DOLLARS (\$304,372.90) and JECH EXCAVATING, INC. being lowest responsible bidder.

BE IT FURTHER RESOLVED by the Public Utility Board to approve staff to manage project change orders using the existing approval structure and authorization levels.

Passed by the Public Utility Board of the City of Rochester, Minnesota, this 14th day of May, 2013.

President

Secretary