

FOR BOARD ACTION

Agenda Item # 3.c.

Meeting Date:

12/21/10

SUBJECT:

Consideration of Quotations – 24th St SE Watermain Reconstruction Project

PREPARED BY:

Doug Rovang, Senior Civil Engineer

ITEM DESCRIPTION:

Nine (9) watermain “breaks” have occurred in this 456’ section of watermain on 24th St SE 9th Ave and 23rd St SE. Five (5) of these breaks have occurred in the last three years.

The cost of repairs to this section of 8” watermain constructed in 1984 has become excessive, and replacement or lining needs to be accomplished expeditiously. Current City policy places responsibility for municipal water system maintenance on the RPU Water Utility. The justification for this project is based on the need to substantially eliminate the possibility for additional water main “breaks” in this 8” water main during the foreseeable future.

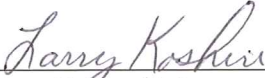
The City Public Works Department has no plans for street reconstruction or sanitary sewer replacement in this area. Therefore, RPU staff has evaluated replacement or lining of the existing watermain as a stand-alone project. The sanitary sewer and sanitary sewer services are below the watermain on this street, making total watermain replacement a reasonable alternative to the watermain interior lining technique used previously at Skyline Lane SW and proposed for use at 11 Ave SE..

Because this project involves street paving reconstruction, traffic control, stormwater issues, and neighborhood resident access and egress, RPU staff has coordinated this project with the City Public Works Department, and established an informal policy and procedure for such future projects. The project plans have been reviewed and approved by Public Works, and Public Works Department personnel would be responsible for project staking and inspection.

Quotations for replacing the existing 8” watermain were requested, and received on 12/14/2010 from the five local sewer and water contractors shown on the attached quotation tabulation sheet. A listing of the quotations and the engineer’s estimate are shown below. Elcor Construction submitted the lowest responsible quotation.

Elcor Construction -	\$ 74,643.00
Swenke Company -	\$ 79,103.00
SL Contracting -	\$ 84,610.40
Blitz Construction -	\$ 87,682.25
Fraser Construction -	\$ 92,767.00
Engineer’s Estimate -	\$ 88,202.00

Because the project cost is between \$50,000 and \$100,000, Utility Board (but not City Council) approval is required.



General Manager

12-16-10

Date

ROCHESTER PUBLIC UTILITIES

FOR BOARD ACTION

Agenda Item #

Meeting Date:

FOR CAPITAL PURCHASES/BIDS/MAJOR PROJECTS:

Funds are available in the 2010 Water Utility budget for this project. However, this project is scheduled to be completed during the spring of 2011. Funds are available in the 2011 Water Utility budget for this project.

UTILITY BOARD ACTION REQUESTED:

Staff recommends the Utility Board accept the low bid, approve a contract agreement for the reconstruction of watermain on 24th St SE from 9th Ave SE to 23rd St SE with Elcor Construction Inc. in the amount of \$74,643.00 and request the Mayor and City Clerk to execute the contract.

General Manager

Date

12/15/2010

City of Rochester

Contract Bid Abstract

Contract No.: 7789.00

Project No.: 2010-26

Bid Opening: 12/14/2010

Project: 2010-26 - J7789 Reconstruct Watermain 24th Street SE from 9th Ave SE to 23rd Street SE

Item No.	Item	Units	Quantity	Engineers Estimate		Ecor Construction, Inc		Svenke Co, Inc.		SL Contracting		Blitz Construction		Fraser Const		
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
1 WATERMAIN (150)																
1.00	2021.501/00010	MOBILIZATION	LS	1	\$5,000.00	\$5,000.00	\$750.00	\$750.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00	\$9,600.00	
2.00	C150.569/00020	RECONNECT EXISTING WATER SERVICE CONNECTIONS	EACH	14	\$500.00	\$7,000.00	\$300.00	\$4,200.00	\$370.00	\$5,180.00	\$280.00	\$3,920.00	\$483.00	\$6,762.00	\$987.00	
3.00	W200.501/00008	TRENCH EXCAVATION FOR PIPE 14IN & UNDER 0FT TO 8FT DEEP	L F	456	\$15.00	\$6,840.00	\$23.00	\$10,488.00	\$21.00	\$9,576.00	\$10.00	\$4,560.00	\$16.00	\$7,296.00	\$13.00	
4.00	W200.528/00080	FURNISH & INSTALL 8IN DUCTILE IRON PIPE CLASS 52	L F	456	\$32.00	\$14,592.00	\$29.00	\$13,224.00	\$34.00	\$15,504.00	\$38.40	\$17,510.40	\$42.00	\$19,152.00	\$32.50	
5.00	W200.562/00010	FURNISH & INSTALL WATER MAIN FITTINGS	LB	184	\$5.00	\$920.00	\$6.00	\$1,104.00	\$4.50	\$828.00	\$5.00	\$920.00	\$5.00	\$920.00	\$4.00	
6.00	W200.572/00010	CONNECT TO EXISTING WATERMAIN	EACH	2	\$1,000.00	\$2,000.00	\$550.00	\$1,100.00	\$800.00	\$1,600.00	\$700.00	\$1,400.00	\$683.00	\$1,766.00	\$300.00	
Total 1 WATERMAIN (150):						\$36,352.00		\$30,866.00		\$36,688.00		\$33,310.40		\$40,396.00		\$45,502.00
2 STREET (350)																
7.00	2104.505/00120	REMOVE BITUMINOUS PAVEMENT	S Y	1,470	\$5.00	\$7,350.00	\$1.60	\$2,352.00	\$2.00	\$2,940.00	\$4.00	\$5,880.00	\$2.00	\$2,940.00	\$2.50	
8.00	2105.501/00010	COMMON EXCAVATION (P)	C Y	575	\$5.00	\$2,875.00	\$6.00	\$3,450.00	\$7.00	\$4,025.00	\$8.00	\$4,600.00	\$6.95	\$3,996.25	\$6.00	
9.00	2211.503/00020	AGGREGATE BASE (CV) CLASS 2	C Y	425	\$25.00	\$10,625.00	\$27.00	\$11,475.00	\$15.00	\$6,375.00	\$26.00	\$11,050.00	\$29.00	\$12,325.00	\$25.00	
10.00	2360.501/12200	TYPE SP 9.5 WEARING COURSE MIX (2.B)	TON	200	\$70.00	\$14,000.00	\$64.00	\$12,800.00	\$67.75	\$13,550.00	\$67.00	\$13,400.00	\$66.25	\$13,250.00	\$68.50	
11.00	2360.502/22200	TYPE SP 12.5 NON WEAR COURSE MIX (2.B)	TON	200	\$70.00	\$14,000.00	\$64.00	\$12,800.00	\$67.75	\$13,550.00	\$67.00	\$13,400.00	\$66.25	\$13,250.00	\$68.50	
12.00	2506.602/00009	ADJUST FRAME & RING CASTING	EACH	3	\$200.00	\$600.00	\$150.00	\$450.00	\$250.00	\$750.00	\$350.00	\$1,050.00	\$225.00	\$675.00	\$140.00	
13.00	2573.530/00010	STORM DRAIN INLET PROTECTION	EACH	3	\$300.00	\$900.00	\$50.00	\$150.00	\$75.00	\$225.00	\$40.00	\$120.00	\$150.00	\$450.00	\$115.00	
14.00	2573.602/00020	TEMPORARY ROCK CONSTRUCTION ENTRANCE	EACH	2	\$750.00	\$1,500.00	\$150.00	\$300.00	\$500.00	\$1,000.00	\$900.00	\$1,800.00	\$200.00	\$400.00	\$675.00	
Total 2 STREET (350):						\$51,850.00		\$43,777.00		\$42,415.00		\$51,300.00		\$47,286.25		\$47,265.00
Totals for Project 2010-26																
Total 1 WATERMAIN (150):						\$36,352.00		\$30,866.00		\$36,688.00		\$33,310.40		\$40,396.00		\$45,502.00
Total 2 STREET (350):						\$51,850.00		\$43,777.00		\$42,415.00		\$51,300.00		\$47,286.25		\$47,265.00
Totals for Project 2010-26																
%						\$88,202.00		\$74,643.00		\$79,103.00		\$84,610.40		\$87,682.25		\$92,767.00
% of Estimate for Project 2010-26								-\$0.15		-\$0.10		-\$0.04		-\$0.01		-\$0.05
Totals for Contract 7789																
%						\$88,202.00		\$74,643.00		\$79,103.00		\$84,610.40		\$87,682.25		\$92,767.00
% of Estimate for Contract 7789								-15.4%		-10.3%		-4.1%		-0.6%		5.2%

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RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, to approve a contract agreement with Elcor Construction, Inc., and request the Mayor and the City Clerk to execute the agreement for

Reconstruction of Watermain - 24th ST SE from 9th AVE SE to 23rd ST SE

The amount of the contract agreement to be SEVENTY-FOUR-THOUSAND-SIX-HUNDRED-FORTY-THREE AND 00/100 DOLLARS (\$74,643.00) and Elcor Construction, Inc. being lowest responsible bidder.

Passed by the Public Utility Board of the City of Rochester, Minnesota, this 21st day of December, 2010.

President

Secretary