



CITY OF KIRKLAND

Department of Public Works

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www.ci.kirkland.wa.us

MEMORANDUM

To: David Ramsay, City Manager

From: Daryl Grigsby, Public Works Director
Ray Steiger, P.E., Capital Projects Manager

Date: July 3, 2008

Subject: MARKET STREET SANITARY SEWER MAIN AND STORM SEWER REPLACEMENT
AWARD CONTRACT

RECOMMENDATION:

It is recommended that City Council award the contract for construction of the Market Street Sanitary Sewer Main and Storm Sewer Replacement Project (Market Street Improvements) to Buno Construction, LLC., Snohomish, Washington, in the amount of \$866,288.40.

BACKGROUND DISCUSSION:

The Market Street Improvements consist of two separate projects; the Market Street Sanitary Sewer Main Replacement Project (CSS 0046) and the Annual Replacement of Aging/Failing Infrastructure for the Surface Water Utility (CSD 0047). The sanitary sewer improvements call for the replacement of the pre-1950 concrete sewer main in Market Street, between 4th Avenue and 15th Avenue. The Storm Sewer Project was borne out of an annual CIP project established by Council in 2007 and calls for the replacement of aging/failing surface water components at various locations throughout the city. For this project, city crews identified over 250 lineal feet of failing storm drain pipe at eight locations within the Market Street Improvements project area. The concurrent construction of both projects will minimize impacts to motorists and businesses in the surrounding area and will help reduce total project costs by combining similar construction efforts (Attachment A).

The specific work for the sewer main project includes the replacement of 3,400 lineal feet of 6-inch and 8-inch concrete sewer pipe with new higher flow capacity 8-inch sewer main. The sewer line replacement will eliminate existing structural deficiencies, root intrusion, and compromised flow capacities that have required frequent annual maintenance. For the storm project, city maintenance crews used the department's video truck equipment to identify the limits of the failing surface water system infrastructure. Their findings showed the need for upgrades of 150 lineal feet of 24-inch concrete storm pipe and approximately 110 lineal feet of 36-inch concrete storm pipe.

The approved project budget for the Market Street Sewer Main Replacement Project is \$1,858,600 with an additional \$200,000 available for the Aging/Failing Infrastructure Surface Water Project; significant cost savings are expected on this project as a result of the contractor's ability to use sanitary sewer pipe bursting technology instead of more conventional trenching techniques. The use of pipe bursting was determined to be feasible after City crews completed their video camera review of the existing sewer main line and, based on the low bid received, staff estimates that the pipe bursting construction technique will generate approximately \$411,000 of overall project cost savings (Attachment C).

The Market Street Improvements Project was first advertised on June 11th and bids were opened on July 2, 2008. A total of seven bids were received with Buno Construction being the lowest responsive bidder at a total price of \$866,288.40 (Attachment B). Buno Construction has successfully completed numerous projects for the City of Kirkland, including the pipe bursting portion of the Central Way project (along Market Street from Central Way to 4th Avenue). With Council award, construction is anticipated to begin in August with substantial completion expected in October, 2008.

Attachments: (3)

Match line bottom right

10th Ave

Sanitary Sewer Replacement Area

15th Ave

Market St

7th Ave

Storm System Repair Area (TYP)

12th Ave

Market St

City Hall Annex

Heritage Park

4th Ave

Match line top left

10th Ave

Vicinity Map

Market Street Sanitary Sewer Main and Storm Sewer Replacement



BID TABULATION**MARKET STREET SANITARY SEWER MAIN AND STORM SEWER REPLACEMENT**

Contractor	Total Bid
Buno Construction	866,288.40
Alpha Development	947,580.60
Midmountain Contractors	1,020,523.40
R.L. Alia Company	1,065,830.56
<i>Engineer's Est</i>	<i>1,077,200.00</i>
Construct Co	1,116,929.92
Johansen Excavating	1,420,498.90
Pacific Trenchless	1,520,604.50
Average	1,136,893.75

MARKET STREET SANITARY SEWER MAIN AND STORM SEWER REPLACEMENT

PROJECT BUDGET REPORT

