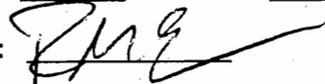


AGENDA BILL

**Beaverton City Council
Beaverton, Oregon**

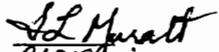
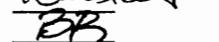
SUBJECT: Bid Award - 114th Ave (Canyon Rd-
McBride Pl) 12-inch Waterline

FOR AGENDA OF: 10-11-16 **BILL NO:** 16209

Mayor's Approval: 

DEPARTMENT OF ORIGIN: Public Works 

DATE SUBMITTED: 10-04-16

CLEARANCES: Purchasing 
Finance 
City Attorney 
Engineering 
CAO 

PROCEEDING: CONSENT AGENDA
(CONTRACT REVIEW BOARD)

- EXHIBITS:**
1. Map/Project Data Sheet
 2. Bid Summary
 3. Funding Plan

BUDGET IMPACT

EXPENDITURE REQUIRED *	AMOUNT BUDGETED *	APPROPRIATION REQUIRED *
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* See attached Funding Plan (Exhibit 3). This project was not in the FY 2016-17 Capital Improvement Plan approved by Council on June 21, 2016; however, staff recommends that the Council direct the Finance Director to add this project and funding in the upcoming November 2016 Supplemental Budget.

RECOMMENDED ACTION:

Council, acting as Contract Review Board, awards the bid to Trench Line Excavation (TLX), in the amount of \$212,804, in a form approved by the City Attorney, as the lowest responsive bid received for the 114th Ave (Canyon Rd-McBride Pl) 12-inch Waterline project and direct the Finance Director to include the \$246,000 in funding for this project in the November 2016 Supplemental Budget.

HISTORICAL PERSPECTIVE:

This water main segment on 114th Avenue forms a very important connection for fire protection and redundant looping for intense development, such as the Marriott Hotel/Cracker Barrel restaurant development; however, the existing eight-inch cast iron pipe is at an age and condition that requires replacement.

The City annexed this property and adjacent area in Annexation 2009-0001 (3-30-09 Ordinance 4503) and withdrew in that action the West Slope Water District (WSWD) territory. The City has replaced and upsized numerous nearby waterlines in the former WSWD service area that was transferred to the City. The City postponed replacement of the 114th Avenue waterline at the time since no new development was planned along the street and it was a lower priority than other line replacements.

The existing eight-inch waterline on SW 114th Avenue, from the existing 12-inch waterline on Canyon Road to the six-inch waterline at SW McBride Place, needs to be replaced prior to completion of half-street improvement by the Marriott/Cracker Barrel development so that the new buildings and waterline loop around the site connect to a 12-inch replacement waterline. The upsizing is needed to adequately provide for both domestic and fire protection water service to SW 144th from Canyon Road to McBride Place and to prevent future waterline repairs of the aging existing eight-inch waterline, once the half-street street and sidewalk improvement is completed with the new development.

In early August 2016, when it was determined that the project was necessary and urgent, the City staff proposed to Vandervert Construction, the developer's construction agent, that the installation of the 12-inch waterline be completed by Laneco, the underground utility subcontractor for Vandervert. This is allowed by Section 50-0600 of the City's Purchasing Code; however, the Laneco proposal of \$358,605 significantly exceeded the funding limitation allowed by Section 50-0600 which is \$100,000; therefore, the project had to be publicly bid.

INFORMATION FOR CONSIDERATION:

The invitation for bid was advertised in the *Daily Journal of Commerce* on September 9, 2016. One (1) bid was received and opened on September 30th, at 2:00 p.m. in the Willamette River room (Exhibit 2). Trench Line Excavation (TLX) of Corvallis, Oregon submitted the lowest responsive bid in the amount of \$254,000. The overall bid amount is \$74,000 or 41 percent greater than the Engineer's Estimate (Exhibit 3).

In accordance with Section 49-0430 of the City Purchasing Code, the city staff discussed with TLX the possibility of bringing the project within the City's cost estimate through a combination of value engineering and associated reductions in the unit prices of various bid items. After discussions with TLX, it was agreed that the project bid proposal could be reduced to \$212,084 by 1) doing the majority of the work during the day rather than at night which would save approximately two days, 2) lowering the unit cost of bid item number 22 (Reconnect Existing Water Service at 12-Inch Main) from \$1950 to \$1500 each, deleting bid item number 14 (12-Inch Tapping Sleeve & 12-Inch Gate Valve with Bevel Gearing & Horizontal Installation) and, deleting bid item 29 (Extra Work As Authorized).

Bid item 14 is still part of the project; however, because it was a long lead time procurement item, staff ordered the part in August 2016 from A&A Drilling and will have A&A Drilling do the installation. The Extra Work As Authorized bid item of \$20,000 can be deleted because the preconstruction investigation of underground utilities indicates that the risks associated with this project are low.

Finally, the Engineer's Estimate of \$180,000 was unreasonably low primarily because of the unit price given to bid item number 13 (12-Inch Potable Water Pipe, Fittings and Couplings with Restrained Joints and Class B Backfill), the most significant bid item in the proposal. The Engineer's Estimate assigned a unit cost of \$110 per lineal foot. Because the majority of the pipe length requires a six-foot deep trench with the last 90 feet requiring a trench depth between eight and 11 feet, a more reasonable unit price would have been \$150.00 per lineal foot.

Staff checked the references provided by TLX and finds that TLX has satisfied the bid requirements to construct waterline improvements in a built-up, urban environment.

With City Council approval of the bid award, a Notice to Proceed (NTP) would be issued to the Contractor on or about October 24, 2016. The project contract requires substantial completion, which includes all work other than punch-list corrections and final cleanup, within twenty five (25) calendar days of the NTP. This means the estimated substantial completion date of the project is November 18, 2016.

City of Beaverton
 2016-2017 CIP
 Updated

Project Data

Water

Project Number: 4139
Project Name: 114th Ave (Canyon Rd-McBride Pl) 12-inch Waterline
Project Description: Replace 684 feet of existing 8-inch cast iron waterline with 12-inch ductile iron pipe and associated structures.

Map:

**PROJECT NO.
 4139**



Project Justification: The replacement of the 8-inch waterline is needed due to age/condition and to prevent future dig-ups of the street pavement and base rock to be installed by the new Cracker Barrel/Marriott development.

Project Status: FY16-17: 8-17-16: Potholing completed. 8-22-16: W&H Pacific contract approved for engineering services. 8-24-16: 60% design completed. 9-7-16: 100% design completed. 9-9-16: Project advertised. 9-30-16: Bids opened. Trench Line Excavation is the lowest responsive bidder. 10-11-16: Award contract. 10-24-16: Begin construction. 11-18-16: Complete construction.

Estimated Date of Completion: 12/31/2016
Estimated Project Cost: \$225,000
First Year Budgeted: FY16/17
New Project:

Funding Data:

<u>Project No.</u>	<u>Fund No.</u>	<u>Fund Name</u>	<u>Amount</u>	<u>FY</u>
4139	3620	Water Extra Capacity Supply	\$225,000	FY2016/17R1
Total for FY:			\$225,000	

City of Beaverton

BID SUMMARY

Project Name: 114TH AVE (CANYON RD-MCBRIDE PL) 12-INCH WATERLINE IMPROVEMENT PROJECT - CIP 4139

OPENED ON: September, 30 2016

WITNESSED BY: Jim Brink, *SERGEY DEZHNYUK*

VENDOR NAME CITY, STATE	Bid Proposal	Bid Proposal Certification - Ack. Addenda	Bid Bonds	Bidder Construction Schedule	Current Project Info	Bidders Responsibility Form	TOTAL BID
Trench Line Excavation, INC. CORVALLIS, OR	✓	✓	✓	✓	✓	✓	\$ 254,800

The Purchasing process has been confirmed.

Signed: *[Signature]*
Finance Department, Purchasing Division

The above amounts have been checked: YES NO

Date: *9/30/2016*



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Funding Plan - 114th Ave (Canyon Rd-McBride PI) 12-inch Waterline (CIP 4139)				
Fund Number and Name	FY2016-17		Project Cost As Negotiated	Engineer's Estimate
	Total Project Budget	Project Construction Budget		
505-75-3620-682	\$246,000	\$221,000	\$212,804	\$180,000
Water System Improvements	(1)			
Totals		\$221,000	\$212,804	\$180,000
(1) Design - \$25,000 and Construction - \$221,000				