

AGENDA BILL

**Beaverton City Council
Beaverton, Oregon**

SUBJECT: Contract Award – SW Kimberly Ct Waterline Replacement Projects CIP 4121 and CIP 4132

FOR AGENDA OF: 08-08-17 **BILL NO:** 17164

MAYOR'S APPROVAL: *Denny Doyle*

DEPARTMENT OF ORIGIN: Public Works *[Signature]*

DATE SUBMITTED: 08-01-17

CLEARANCES: City Attorney *[Signature]*
CAO *[Signature]*
Purchasing *[Signature]*
Finance *[Signature]*
Engineering *[Signature]*

PROCEEDING: CONSENT AGENDA
(CONTRACT REVIEW BOARD)

- EXHIBITS:**
- 1. Funding Plan
 - 2. Map & Project Data Sheet
 - 3. Bid Results Summary, Supplemental Memorandum (Pending)

BUDGET IMPACT

EXPENDITURE	AMOUNT	APPROPRIATION
REQUIRED \$459,440*	BUDGETED \$200,000 (FY 2016-17) \$30,000 (FY 2017-18)	REQUIRED \$229,440 (FY 2017-18)**

* The Expenditure Required is based on the Project Manager's estimate, and will be revised once bids are received and low bidder is identified by the purchasing agent.

** Account No. 501-75-3701-682 Water Fund - Water System Improvement Projects – Construction Account. The FY 2016-17 Budget included a \$200,000 appropriation for these projects and this appropriation is recommended to be carried forward into FY 2017-18 in the November 2017 Supplemental Budget. The FY 2017-18 Adopted Budget includes an additional \$30,000 for these projects. However, given the Project Manager's revised estimate of \$459,440 an additional appropriation of \$229,440 is required. This additional funding is available from the Water Fund's Contingency Account which has a budgeted balance of \$8,686,379 and is also recommended to be included in the November 2017 Supplemental Budget.

RECOMMENDED ACTION:

City Council, acting as the Contract Review Board, authorizes the Mayor to sign a contract with the lowest responsive bidder for the SW Kimberly Ct Waterline Replacement Projects CIP 4121 and CIP 4132 in a form approved by the City Attorney. The City Council directs the Finance Director to include in the November 2017 Supplemental Budget the carryforward of the \$200,000 unspent appropriation from FY 2016-17 and an additional appropriation estimated at \$229,440 from the Water Fund's General Contingency Account.

HISTORICAL PERSPECTIVE:

This project will consist of the replacement of the existing cast iron water main constructed in 1969. This neighborhood has experienced multiple water main breaks in previous years and the City of Beaverton Engineering & Water Divisions have rated this water main a priority replacement project.

INFORMATION FOR CONSIDERATION:

The invitation to bid was advertised in the Daily Journal of Commerce on July 7, 2017.

This project combines the scopes of work for waterline replacement for CIP 4121 and CIP 4132 (Exhibit 2). The SW Kimberly Ct – Waterline Replacement Projects will involve the construction of approximately 1,900 lineal feet of 4 inch and 6 inch diameter water main on SW Kimberly Ct and on SW 27th Ct. Also included in this project is the relocation of existing water meters and service lines. The water meter relocation work is being done to facilitate access by City staff for reading and maintenance. A permanent, utility easement is also being established along with the construction of the new waterline and its related facilities, to be conveyed by the homeowners association after construction.

Funding for the SW Kimberly Ct Waterline Replacement Projects is comprised of \$200,000 that was budgeted in FY 2016-17 and is recommended to be carried forward into FY 2017-18 and \$30,000 in the FY 2016-17 Adopted Budget. In addition to these appropriations, an additional \$229,440 is needed for this project and this funding is available from the Water Fund's General Contingency Fund Account and this is also recommended to be included in the November 2017 Supplemental Budget (Exhibit 1). The increased funding is due primarily to an increase in project scope. During the design phase of this project, it was determined that many of the existing water meters must be relocated from their current locations. This relocation work is necessary so that City Staff has access to the water meters to perform readings and any maintenance duties. There is a significant cost increase associated with this relocation work. The project scope was also expanded to allow for connections to existing water mains outside of the Kimberly Ct private neighborhood. These connections on SW 142nd Ave and SW Hart Rd, allow us to replace all of the existing cast iron water pipe on SW Kimberly Ct and SW 27th Ct minimizing risks of future main breaks. Increased funding is also due to general increases in cost over the initial budget estimate.

Staff completed the design for CIP 4121 and CIP 4132 on July 6, 2017, and the project was advertised on July 7, 2017. The mandatory prebid meeting was held on July 18, 2017, and three contractors attended.

The bid opening is scheduled for 2:00 P.M. on August 1, 2017. Since the Council packet for the August 8, 2017, City Council meeting is distributed on or about August 2, 2017, staff will prepare a supplemental memorandum and bid (Exhibit 3) on or before the City Council meeting that will be provided to the City Council summarizing the actual bid results and a recommendation for award of a contract to the responsible bidder submitting the lowest responsive bid.

City of Beaverton
Capital Projects Funding Plan
SW Kimberly Ct Waterline Replacement Projects CIP 4121 & CIP 4132

Exhibit 1

<u>Fund and Account Number</u>	<u>FY 2016-17 Project Construction Budget</u>	<u>FY 2017-18 Project Construction Budget</u>	<u>Total Available for Construction</u>	<u>Project Bid</u>	<u>PM's Estimate</u>	<u>Additional Funding From Contingency Account</u>
Water Maintenance (Replacement/Renewal) Fund: 501-75-3701-682 (CIP No. 4121 SW Kimberly Ct Waterline Replacement Project) and CIP No. 4132 SW 27th Ct Waterline Replacement Project)	\$200,000	\$30,000	\$230,000	*TBD	\$459,440	\$ 229,440
Totals	<u>\$200,000</u>	<u>\$30,000</u>	<u>\$230,000</u>	<u>\$0</u>	<u>\$459,440</u>	<u>100%</u>

*Project Bid, to be revised once bids are received

City of Beaverton
2017-2018 CIP

Project Data

Water

Project Number: 4121
Project Name: Kimberly Ct (Murray Blvd - Hart Rd) Waterline Replacement
Project Description: Replace 1000 feet of 6-inch pipe and associated structures.

Map:



Project Justification: The cast iron pipe was constructed in 1969 and has experienced numerous main breaks in the past three years. Corrosive native soils may be contributing to a shorter useful life of water pipes and fittings than would typically be expected. City Water Forces have rated this waterline a priority replacement project.

Project Status: FY16-17: Survey and design by City staff and begin construction by contract. FY17-18: Complete construction.

Estimated Date of Completion: 10/30/2017 First Year Budgeted: FY16/17
Estimated Project Cost: \$200,000 New Project:

Funding Data:

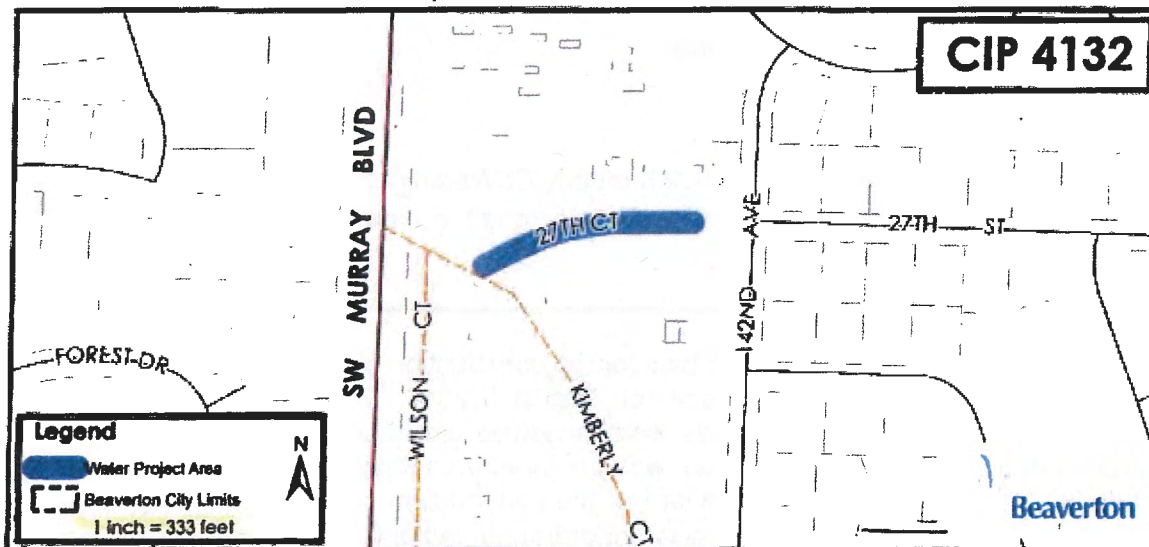
Project No.	Fund No.	Fund Name	Amount	FY
4121	3701	Water Improvements	\$25,000	FY2017/18
Total for FY:			\$25,000	

City of Beaverton
2017-2018 CIP

Project Data

Water

Project Number: 4132
Project Name: 27th Ct (Kimberly Ct - 142nd Ave) 6-Inch Waterline
Project Description: Replace 600 feet of 6-inch pipe and associated appurtenances and services. This project is packaged with CIP 4121, Kimberly Ct (Murray Blvd - Hart Rd) Waterline Replacement.
Map:



Project Justification: The existing cast iron water line is in need of replacement. City Water Forces have rated this waterline a top replacement project.

Project Status: FY16-17: Completed survey and design. FY17/18: Complete construction.

Estimated Date of Completion: 10/30/2017

First Year Budgeted: FY16/17

Estimated Project Cost: \$87,000

New Project:

Funding Data:

Project No.	Fund No.	Fund Name	Amount	FY
4132	3701	Water Improvements	\$13,000	FY2017/18
Total for FY:			\$13,000	



Beaverton
O R E G O N

To: Mayor Doyle and City Councilors
From: *AL* Aaron Lee, Project Manager
Date: August 2, 2017
Subject: Agenda Bill No. 17164 - SW Kimberly Ct Waterline
Replacement Project – Bid Tabulation and Recommendation
for Award of Contract

The City of Beaverton received bids for the construction of the SW Kimberly Ct Waterline Replacement Project from two contractors on August 1, 2017. The Bid Tabulation from the City Finance Department is attached. Bids were reviewed and staff has determined that Oregon Underground, Inc of Clackamas Oregon, was the lowest responsive bidder with their bid amount of \$498,751.04. Staff recommends award of the construction contract for the SW Kimberly Ct Waterline Replacement Project to Oregon Underground, Inc of Clackamas Oregon.

City of Beaverton
BID TABULATION

SW Kimberly Ct – Waterline Replacement Project, CIP #4121
Solicitation #3245-18B

ITEM NO	DESCRIPTION	EST QTY	UNIT	Oregon Underground, Inc. - Clackamas, OR		Trench Line Excavation, Inc. - Corvallis, OR	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
A-1	Mobilization/De-Mobilization (00210)	1	LS	21,000.00	\$ 21,000.00	56,253.24	\$ 56,253.24
A-2	Erosion Control (00280)	1	LS	3,080.00	\$ 3,080.00	3,500.00	\$ 3,500.00
A-3	Traffic Control (00225)	1	LS	3,200.00	\$ 3,200.00	8,000.00	\$ 8,000.00
A-4	Sawcut (00405)	5708	LF	2.00	\$ 11,416.00	1.50	\$ 8,562.00
A-5	Trench Resurfacing, 4" depth, T-Cut, per C.O.B. detail 302 (00495)	1583	SY	36.00	\$ 56,988.00	40.00	\$ 63,320.00
A-6	Emulsified Asphalt Seal Coat, 2 Coats (00700)	50267	SF	0.42	\$ 21,112.14	0.28	\$ 14,074.76
A-7	Remove & Replace Concrete Curb & Gutter, per C.O.B. detail 200 (00759)	15	LF	150.00	\$ 2,250.00	150.00	\$ 2,250.00
A-8	Remove & Replace Type 'A' Concrete Curb, per C.O.B. detail 203 (00759)	63	LF	75.00	\$ 4,725.00	60.00	\$ 3,780.00
A-9	Remove & Replace Concrete Sidewalks & Ramps (00759)	36	SF	30.00	\$ 1,080.00	40.00	\$ 1,440.00
A-10	Remove & Replace Concrete Driveway (00759)	150	SF	40.00	\$ 6,000.00	30.00	\$ 4,500.00
A-11	Extra Trench Excavation w/ Class B Backfill (01140)	50	CY	40.00	\$ 2,000.00	100.00	\$ 5,000.00
A-12	6" Ductile Iron Potable Water Pipe w/ Poly Wrap Encasement, Fittings & Couplings w/ Restrained Joints, Class B Backfill (01140)	1814	LF	67.85	\$ 123,079.90	80.00	\$ 145,120.00
A-13	4" Ductile Iron Potable Water Pipe w/ Poly Wrap Encasement, Fittings & Couplings w/ Restrained Joints, Class B Backfill (01140)	114	LF	80.00	\$ 9,120.00	120.00	\$ 13,680.00
A-14	6"x6" Tee, Connection to Ex 6" Water Main (01140)	1	EA	3,575.00	\$ 3,575.00	8,000.00	\$ 8,000.00
A-15	6"x6" Tee (01140)	6	EA	775.00	\$ 4,650.00	300.00	\$ 1,800.00
A-16	6"x4" Tee (01140)	1	EA	760.00	\$ 760.00	300.00	\$ 300.00
A-17	6" Long Sleeve (01140)	3	EA	550.00	\$ 1,650.00	200.00	\$ 600.00
A-18	6"-11.25 Degree Bend (01140)	7	EA	500.00	\$ 3,500.00	175.00	\$ 1,225.00
A-19	6"-22.5 Degree Bend (01140)	5	EA	500.00	\$ 2,500.00	175.00	\$ 875.00
A-20	6"-45 Degree Bend (01140)	9	EA	500.00	\$ 4,500.00	180.00	\$ 1,620.00
A-21	2" Blowoff Assembly (01140)	2	EA	2,250.00	\$ 4,500.00	1,000.00	\$ 2,000.00
A-22	2" Blowoff Assembly, temporary (01140)	3	EA	1,850.00	\$ 5,550.00	1,000.00	\$ 3,000.00
A-23	Chlorination Tap, temporary (01140)	3	EA	800.00	\$ 2,400.00	250.00	\$ 750.00
A-24	6" Blind Flange (01140)	1	EA	200.00	\$ 200.00	150.00	\$ 150.00
A-25	Abandoning & Removal of Existing Water Structures, Ex Valves, Hydrants (01140)	1	LS	1,750.00	\$ 1,750.00	4,500.00	\$ 4,500.00
A-26	6" Hot Tap & 6" RSGV, Connection to Ex 6" Water Main (01150)	1	EA	5,500.00	\$ 5,500.00	5,800.00	\$ 5,800.00
A-27	6" Hot Tap & 6" RSGV, Connection to Ex 8" Water Main (01150)	1	EA	5,500.00	\$ 5,500.00	5,900.00	\$ 5,900.00
A-28	6" Hot Tap & 6" RSGV, Connection to Ex 10" Water Main (01150)	1	EA	6,500.00	\$ 6,500.00	6,000.00	\$ 6,000.00
A-29	4"-RSGV (01150)	1	EA	1,370.00	\$ 1,370.00	550.00	\$ 550.00
A-30	6"-RSGV (01150)	11	EA	1,520.00	\$ 16,720.00	700.00	\$ 7,700.00
A-31	Fire Hydrant Assembly w/ 6" RSGV (01160)	2	EA	5,750.00	\$ 11,500.00	6,600.00	\$ 13,200.00
A-32	Remove Existing Fire Hydrant Assembly w/ 6" RSGV (01160)	2	EA	700.00	\$ 1,400.00	1,000.00	\$ 2,000.00
A-33	1" Copper Water Service Connection w/ Class B Backfill (01170)	45	EA	2,050.00	\$ 92,250.00	2,000.00	\$ 90,000.00
A-34	1" Copper Plumbing Connection to Ex 1" House Side (01170)	45	EA	825.00	\$ 37,125.00	1,400.00	\$ 63,000.00
A-35	Compacted Topsoil	3	CY	100.00	\$ 300.00	350.00	\$ 1,050.00
A-36	Extra Work as Authorized *	1	LS	20,000.00	\$ 20,000.00	20,000.00	\$ 20,000.00
GRAND TOTAL BID AMOUNT					\$ 498,751.04		\$ 569,500.00