

**AGENDA BILL**

**Beaverton City Council  
Beaverton, Oregon**

**SUBJECT:** Contract Award –Cooper Mountain  
Transmission Mains, SW 175<sup>th</sup> Avenue and  
SW Weir Road, (CIP #4058 A) to Trench  
Line Excavation, Inc.

**FOR AGENDA OF:** 04-09-19 **BILL NO:** 19084

**MAYOR'S APPROVAL:** *Danny Dale*

**DEPARTMENT OF ORIGIN:** Public Works *JK*

**DATE SUBMITTED:** 04-01-19

**CLEARANCES:** City Attorney *MKT*  
Mayor's Office *JK*  
Purchasing *JK*  
Finance *JK*  
Engineering *Katherine Frye*

**PROCEEDING:** CONSENT AGENDA  
(CONTRACT REVIEW BOARD)

**EXHIBITS:** 1. Bid Results Summary  
2. Project Vicinity Map

**BUDGET IMPACT**

EXPENDITURE	AMOUNT	APPROPRIATION
REQUIRED \$3,247,800*	BUDGETED \$3,787,045**	REQUIRED \$0

\*This is the construction cost based on the bid results (Exhibit 1).

\*\*Account Number 505-75-3622 Water Construction Fund – Cooper Mountain Reservoir #2 and Transmission Lines (Bonded) – Construction Account. The FY 2018-19 Construction Budget has a remaining available balance of \$3,787,046 for this project.

**RECOMMENDED ACTION:**

City Council, acting as the Contract Review Board, authorizes the Mayor to sign a contract with the Trench Line Excavation, Inc., in the amount of \$3,247,800, in a form approved by the City Attorney, as the lowest responsive bid received for the Cooper Mountain Transmission Mains, SW 175<sup>th</sup> Avenue and SW Weir Road, (CIP #4058A) project.

**HISTORICAL PERSPECTIVE:**

The City of Beaverton (City) has an existing 5.5 million gallon (MG) Cooper Mountain Reservoir No.1., which was constructed in 1994, on ten acres at the top of Cooper Mountain. The size of the parcel of land purchased in 1992 and site layout was designed for a second storage reservoir in the future.

Water demand within the City's upper pressure zones to the east and south side of Cooper Mountain has been increasing due to buildout in Progress Ridge area and the rest of the water service area of Reservoir No. 1. In addition, 544 acres along the southern slopes of Cooper Mountain were annexed and incorporated into the City's water service area in 2014. The South Cooper Mountain (SCM) lands have been added to the existing pressure zones served by the existing reservoir.

The City anticipates steep growth in water demand in SCM from urban infill of about 8,000 people within the existing boundaries of Cooper Mountain Reservoir No. 1 pressure zones.. Additionally, another 1,200 acres of the upper elevations of South Cooper Mountain, designated Urban Reserve 6B, was recently added to the Urban Growth Boundary by Metro. Urban Reserve Area 6B could result in another 8,000 people that need to be served by the Cooper Mountain Reservoir.

In order to meet these demands, a twin 5.5 MG Cooper Mountain Reservoir No. 2 is currently being designed to primarily serve the 550-foot, 675-foot, and 750-foot upper pressure zones. As part of that project, the City is planning to also construct a new 24-inch diameter water transmission main. Transmission mains are necessary to allow the City to connect to Cooper Mountain Reservoir No. 1 and serve the rapidly developing South Cooper Mountain area.

This construction contract includes the two segments of the transmission main that will allow acceleration of the City's ability to directly serve the South Cooper Mountain and Urban Reserve Area 6B using Reservoir No. 1 prior to completion of the No. 2 reservoir.

### **INFORMATION FOR CONSIDERATION:**

The following segments of transmission mains will allow the City to serve the developing SCM area. Some of these segments have already been designed and constructed. The City partnered with Washington County and a large developer on some of these construction projects.

- **Segment 1:** a 24-inch water transmission main between the reservoir site and Roundabout on SW Kemmer (Estimated Construction timeline: Construction to begin in FY 19-20 along with the construction of Cooper Mountain Reservoir No. 2)
- **Segment 2:** a 24-inch diameter water transmission main at Roundabout at SW 175th Avenue and SW Kemmer until Winkleman Park on SW 175th Ave (Estimated Construction timeline: Completed in FY 18-19 as a part of an opportunity project with Washington County)
- **Segment 3:** a 24-inch diameter water transmission main that totals approximately 5,200 linear feet (LF) will extend along SW 175th Avenue from Winkleman Park to Alvord Lane (Estimated Construction timeline: Included as a part of this construction contract, to be completed in FY 18-19 and FY 19-20)
- **Segment 4:** a 24-inch diameter water transmission main between SW Alvord Lane and Scholls Ferry Road (Estimated Construction timeline: Completed in FY 18-19)
- **Segment 5:** a 16-inch diameter water transmission main will extend approximately 1,600 LF on Weir Road from SW 163rd to Mt .Adams (Estimated Construction timeline: Included as a part of this construction contract, to be completed in FY 18-19 and FY 19-20)

This Cooper Mountain Transmission Mains construction project on SW 175th Ave and SW Weir Road will consist of Segments 3 and 5 described above. MurraySmith was contracted by the City to complete the design of these two segments in FY 18-19.

An Invitation to Bid was advertised for construction of these two segments in the Daily Journal of Commerce on February 15, 2019. A mandatory pre-bid conference was held on February 22, 2019, with 14 prime contractors in attendance. Bids were opened on March 12, 2019, at 2:00 p.m. and the City received six bids (Exhibit 1). Bids were reviewed and staff has determined that Trench Line Excavation, Inc., of Corvallis, Oregon was the lowest responsive bidder at \$3,247,800. The lowest bid was lower than MurraySmith Consultant's construction cost estimate of \$3,850,000 and the staff believe that the bid is reasonable.

A project vicinity map is attached (Exhibit 2) showing the two transmission main segments included in this construction contract.

The schedule proposed by Trench Line Excavation, Inc., anticipates a construction duration of approximately four months. Staff recommends award of the construction contract for the Cooper Mountain Transmission Mains, SW 175th Avenue and SW Weir Road, (CIP #4058A) to Trench Line Excavation, Inc.

City of Beaverton

**BID SUMMARY**

Project Name: Construction of Cooper Mt Transmission Mains SW 175<sup>th</sup> Ave & SW Weir Rd CIP 4058, Solicitation #3466-19B

OPENED ON: March 12, 2019 @ 2:00 PM

WITNESSED BY: Terry Murait

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	✓	✓	✓	✓	✓	✓	\$3,247,800.00
Tapani, Inc. - Battle Ground, WA	✓	✓	✓	✓	✓	✓	\$3,275,789.00
Canby Excavating Inc. - Canby, OR	✓	✓	✓	✓	✓	✓	\$3,688,674.00
James W. Fowler Co. - Dallas, OR	✓	✓	✓	✓	✓	✓	\$3,699,994.79
Moore Excavation Inc. - Fairview, OR	✓	✓	✓	✓	✓	✓	\$3,845,208.00
Kerr Contractors Oregon Inc. - Woodburn, OR	✓	✓	✓	✓	N/A	✓	\$3,869,173.00*

\* - Denotes an unresponsive bid

The Purchasing process has been confirmed.

Signed:

Finance Department, Purchasing Division

The above amounts have been checked: YES NO

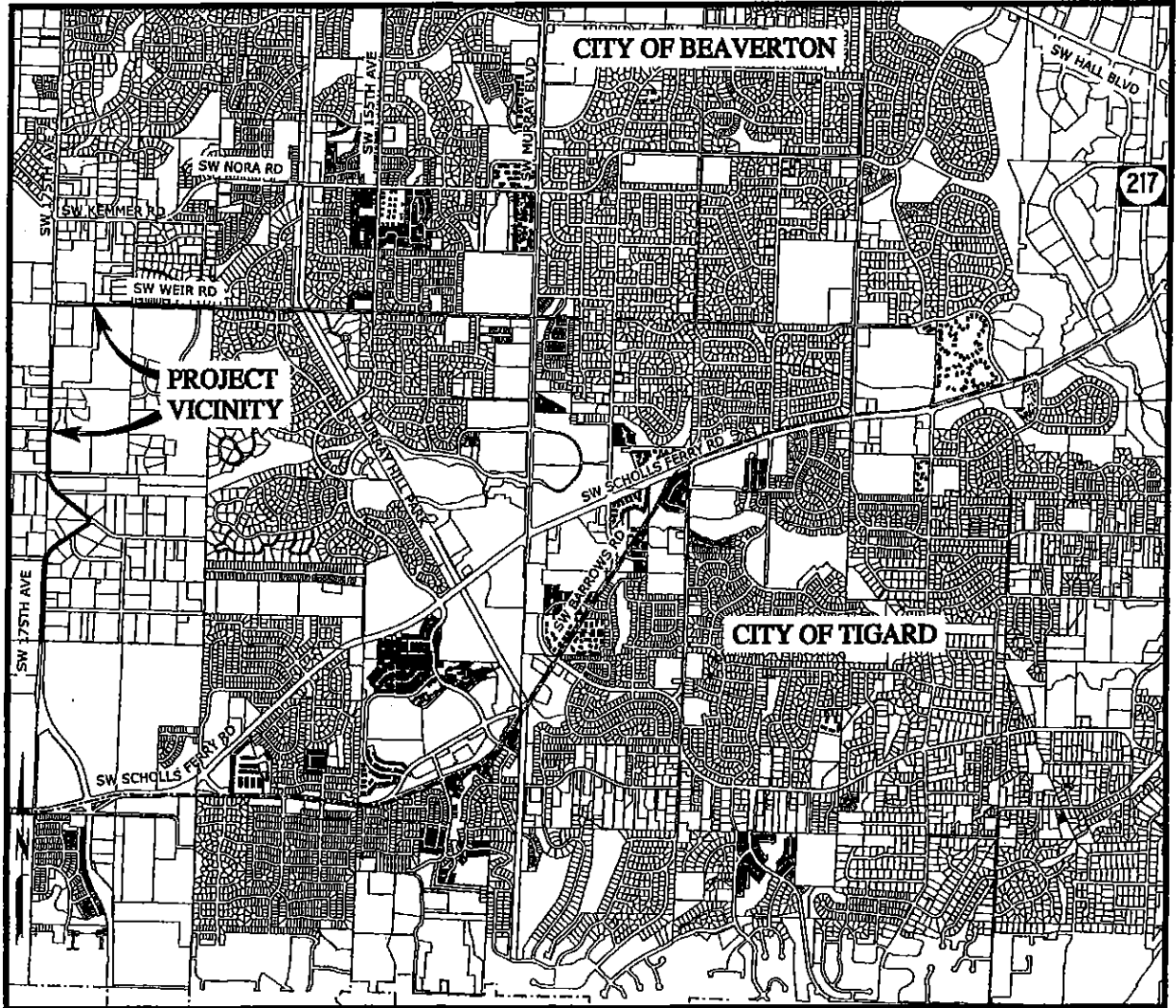
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3/12/2019

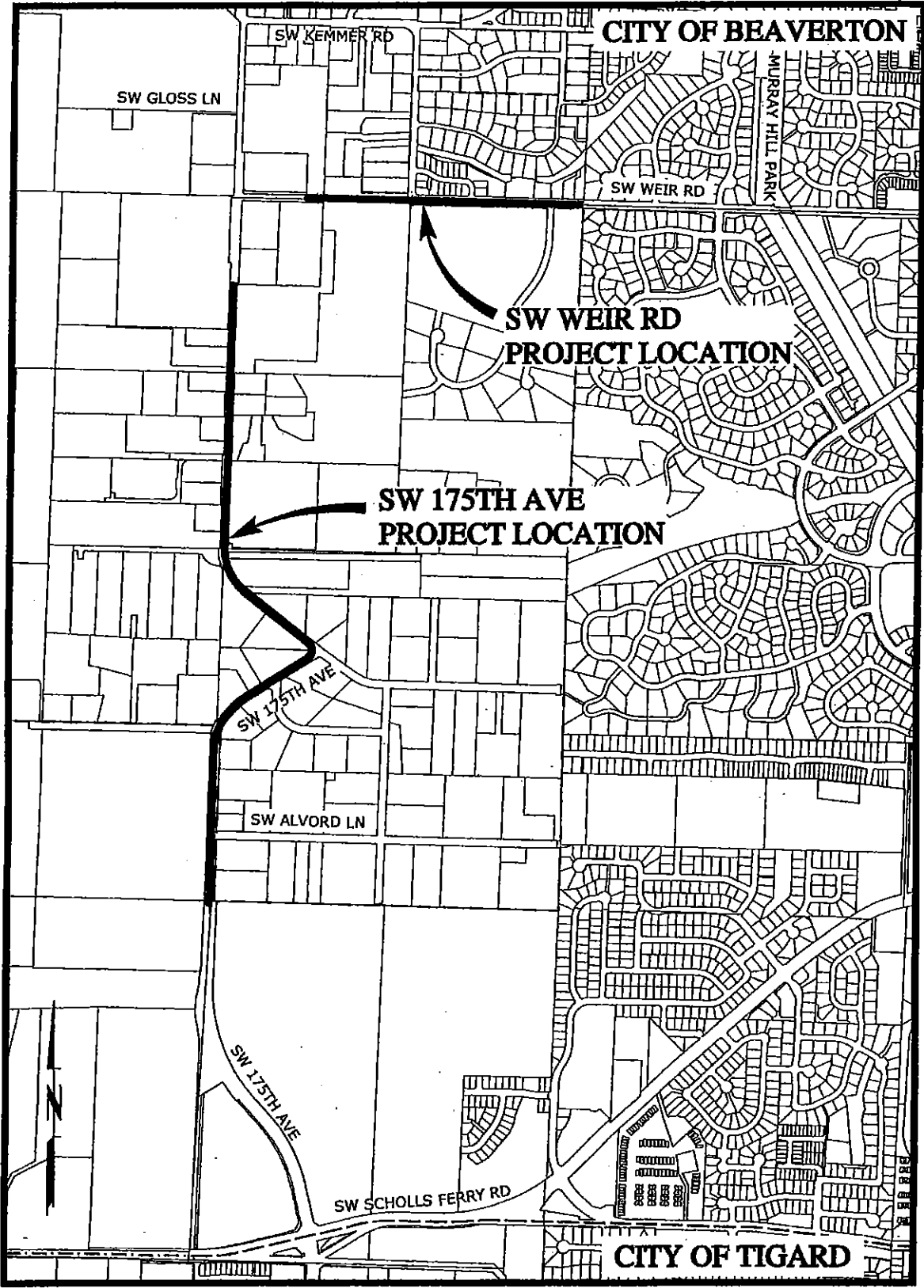




**COOPER MOUNTAIN TRANSMISSION MAINS:  
SW 175TH AVE AND SW WEIR RD**



**REGION MAP**



VICINITY MAP

