



**OAK RIDGE CITY COUNCIL
SPECIAL MEETING**

Municipal Building Courtroom

April 18, 2023 - 6:00 PM

AGENDA

I. ITEMS FOR CONSIDERATION

- a. [Installation of a Bypass Raw Water Line at the Water Intake
FY2023-301 Abstract OR Pump House Road Temporary Water Line.pdf
Resolution - Morgan Contracting - Bypass Water Line.docx](#)

OAK RIDGE CITY COUNCIL MEMORANDUM

DATE: April 18, 2023

TO: Mark S. Watson, City Manager

FROM: Patrick Berge , Public Works Director

SUBJECT: Installation of a Bypass Raw Water Line at the Water Intake

Introduction

An item for the Council's consideration is a resolution to award a contract to Morgan Construction to purchase materials and install a bypass water line at the water intake site in an amount not to exceed \$367,400.

Funding

Funding is available in the Waterworks Fund.

Background

Construction of the new water plant has resulted in the loss of one of two lines leading from the water intake to the intermediate booster pump station and ultimately the current water treatment plant. The lost line is a 36" iron pipe which will be cut just past the intake station and near the intersection of Pumphouse Road the road leading further out the peninsula. These lines are the only conveyances of water from the river to the water treatment plant and the City is dependent on them to supply water. A 42" concrete line will remain in service throughout the construction project and be the primary water conveyance. However, this line was installed in the 1950's and will be subject to the stresses created by a construction project including heavy machine crossing the ground and vibrations from breaking up rock. This creates significant concern since repairs to a concrete line can be difficult and take multiple days.

The Public Works Department has evaluated the alternatives to ensure water availability throughout the construction process and determined the most reliable option is to purchase approximately 500 feet of high density polyethylene (HDPE) pipe and tie it into the cut points of the iron pipe to provide a bypass route around the primary construction site. HDPE is flexible to allow routing around the site and is much more resilient against vibratory stresses. After the plant site is completed this pipe can be reutilized in the system during the draining and decommissioning of the current water plant and to provide bypass piping when working on large lines in the water system.

This project has been bid with two bids received. Morgan Construction provided the lowest responsive bid of \$334,000. Due to the criticality of this project a 10% contingency has been added.

Recommendation

Staff recommends approval of the resolution as attached.

Attachments:

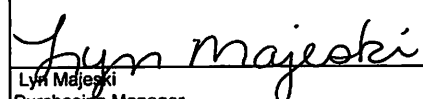
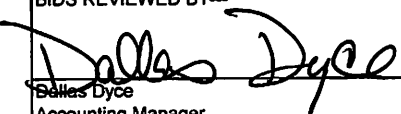
[FY2023-301 Abstract OR Pump House Road Temporary Water Line.pdf](#)

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CITY OF OAK RIDGE, TENNESSEE
Abstract of Bids

FY2023-301

OPENING DATE: April 17, 2023 11:00 A.M.

FOR — Oak Ridge Pump House Road Temporary Water Line			BIDDER: Morgan Contracting, Inc. 900 Dutch Valley Drive Knoxville, TN 37918		BIDDER: Brabston Trucking, Inc. 3214 Tazewell Pike, Suite 5 Knoxville, TN 37918		BIDDER:		BIDDER:	
DESCRIPTION	ITEM	QUANTITY	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
FURNISH ALL LABOR, MATERIALS, TOOLS, AND EQUIPMENT NECESSARY TO PERFORM ALL WORK AND SERVICES REQUIRED FOR OAK RIDGE PUMP HOUSE ROAD TEMPORARY WATER LINE PER THE SPECIFICATIONS PROVIDED BY THE CITY OF OAK RIDGE PUBLIC WORKS DEPARTMENT				\$ 334,000.00		\$ 379,395.30				
TOTAL PRICE				\$ 334,000.00		\$ 379,395.30				
CONTINGENCY				\$ 33,400.00						
TOTAL NOT-TO-EXCEED				\$ 367,400.00						
TERMS				Net 30		Net 30				
DELIVERY				Per Contract		Per Contract				
F.O.B.				Oak Ridge		Oak Ridge				
VIA				Best Way		Best Way				
Advertised on the City's website for 14 days OTHER BIDDERS CONTACTED: Rogers Group - Oak Ridge, TN M & M Pipe Services, LLC - Clinton, TN Knoxville Excavating, LLC - Knoxville, TN Southern Constructors, Inc. - Knoxville, TN Hurst Excavating, LLC - Knoxville, TN Adam & Sons, Inc. - Sevierville, TN Portland Utilities Construction Company - Portland, TN							BIDS OPENED AND RECORDED BY—  Lynn Majeski Purchasing Manager			
REASON FOR AWARD: ONLY BID RECEIVED <input type="checkbox"/> LOW PRICE <input type="checkbox"/> BETTER OR REQUIRED DESIGN <input type="checkbox"/> EARLY DELIVERY <input type="checkbox"/> LOWEST TOTAL COST <input checked="" type="checkbox"/>			RECOMMEND AWARD BE MADE TO: Morgan Contracting, Inc. 900 Dutch Valley Drive Knoxville, TN 37918				BIDS REVIEWED BY—  Dallas Dyce Accounting Manager			

NUMBER _____

RESOLUTION

A RESOLUTION AWARDDING A CONTRACT (FY2023-301) TO MORGAN CONTRACTING, INC., KNOXVILLE, TENNESSEE, FOR THE BYPASS RAW WATER LINE PROJECT AT THE WATER INTAKE SITE IN AN AMOUNT NOT TO EXCEED \$367,400.00.

WHEREAS, the City is undergoing a new water treatment plant construction project; and

WHEREAS, an existing concrete water line installed in the 1950s will be subject to the stresses of this construction project including heavy machinery crossing the ground and vibrations from breaking up rock, which creates a significant concern as any needed repairs would be days and be difficult; and

WHEREAS, the City evaluated options and determined it was best to purchase high density polyethylene (HDPE) pipe and tie into cut points of the iron pipe to provide a bypass route around the primary construction site as a means to ensure water availability through the construction process; and

WHEREAS, bids were received and publicly opened on April 17, 2023, with Morgan Contracting, Inc., submitting the lowest and best bid, which bid the City Manager recommends be accepted.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF OAK RIDGE, TENNESSEE:

That the recommendation of the City Manager is approved, and award is hereby made to Morgan Contracting, Inc., 900 Dutch Valley Drive, Knoxville, Tennessee 37918, for the bypass raw water line project at the water intake site; said award in strict accordance with Contract Number FY2023-301, the required specifications, and the bid as publicly opened on April 17, 2023, in an amount not to exceed \$367,400.00 which amount includes the base bid of \$334,000.00 and a ten percent (10%) contingency amount for unforeseen matters.

BE IT FURTHER RESOLVED that the Mayor and/or City Manager are hereby authorized to execute the appropriate legal instruments to accomplish the same.

This 18th day of April 2023.

APPROVED AS TO FORM AND LEGALITY:

Tammy M. D. Rackard, City Attorney

Warren L. Gooch, Mayor

Mary Beth Hickman, City Clerk