

Public Works
STAFF REPORT



SUBJECT: 536 Wellfield Transmission Line and Site Civil Project
MEETING: City Council Meeting - 03 May 2022
DEPARTMENT: Public Works
STAFF CONTACT: Nick Williams

RECOMMENDATION:

Staff recommends awarding the contract for \$3,137,010.00 for the 536 Wellfield Transmission Line and Site Civil Project to MH Civil Constructors, Inc. of Amarillo, Texas.

BACKGROUND:

The 536 Wellfield Transmission Line and Site Civil Project is the second step in a three-step water production improvement plan with the first step being the Airport Pump Station and Ground Storage Tank project, awarded in December of 2021 and the third step being the 536 Wellfield Development Project.

Bids for the project were publicly opened and read at 2:00 p.m. on April 22, 2022. Five (5) bids were received as shown in the table provided below. The project includes 7,400 LF of 16-inch raw water transmission pipeline along the US 67 highway in TxDOT right-of-way as well as 5,320 LF of 10-inch, and 6,330 LF of 6-inch wellfield collection pipeline within the City of Stephenville 536 Wellfield property. In addition to the pipeline work, the project also includes site grading, fencing as well as road and well pad site construction for five (5) water supply wells.

Two (2) alternate bids were received to use fusible PVC pipe, with fuse-welded joints, for [1] the 16-inch main in the Highway 67 TxDOT right-of-way and [2] the 16-inch main as well as the 10-inch and 6-inch collection lines in the wellfield.

Fused pipe is recommended to protect against the most common location of leaks, at the pipe joints. The transmission line will also fluctuate in pressure due to individual well usage being staggered and rotated. The fused-joint pipe is a superior product in terms of joint leak protection and installation will prevent any joint leaks and/or leak repairs from occurring adjacent to a busy state highway.

A bid recommendation letter from the engineer of record; Provenance Engineering is attached indicating support to award Bid Alternate 2 for MH Civil Constructors, Inc. to install fused-joint piping in the amount of \$3,137,010.00.

FISCAL IMPACT SUMMARY:

The project construction was estimated to cost \$3.5 million. A total fused-joint transmission line cost of \$3,137,010.00 leaves approximately \$362,990 available to be applied towards other capital projects.

Below is a tabulation of bids for the project.

536 Wellfield Transmission Line and Site Civil Project
City of Stephenville, TX
Bids Opened 2:00 p.m. April 22, 2022

#	VENDOR	LOCATION	BASE BID AMOUNT	ALTERNATE 1 16-INCH FUSED BID AMOUNT	ALTERNATE 2 ALL PIPE FUSED BID AMOUNT
1	Western Municipal	Justin, TX	\$3,179,045.00	\$3,523,377.50	\$3,761,077.50
2	B&L Construction Company	Hico, TX	\$2,972,601.00	\$3,231,776.00	\$3,419,496.00
3	Black Rock Construction Company	Mansfield, TX	\$2,870,263.00	\$3,114,628.00	\$3,203,428.00
4	R Construction Civil, LLC	Buffalo, TX	\$2,699,995.00	\$3,151,700.00	\$3,288,780.00
5	MH Civil Constructors, Inc.	Amarillo, TX	\$2,437,000.00	\$3,044,210.00	\$3,137,010.00

ATTACHMENTS:

Attached is copy of the contractor recommendation letter received from Provenance Engineering.

[2022_04-26 536 Transmission Line and Site Civil Project – Award Recommendation Letter](#)



**PROVENANCE
ENGINEERING**

Rooted to Be Uniquely Different

April 26, 2022

Mr. Nick Williams, PE, CFM
Director of Public Works
City of Stephenville
298 W. Washington St.
Stephenville, TX 76401

Subject: 536 Wellfield – Transmission Line & Site Civil – Bid Award Recommendation

Dear Mr. Williams:

Bids were received Friday, April 22, 2022, and publicly read for the 536 Wellfield – Transmission Line & Site Civil Project. Five general contractors submitted bid proposals with each contractor providing a bid bond. The Provenance Engineering team has reviewed the five bids for conformance and completeness. The detailed bid tabulation is enclosed in Attachment A.

The submitted bid proposal includes approximately 7,400 LF of 16-inch raw water transmission pipeline within TxDOT right-of-way and approximately 5,320 LF of 10-inch and 6,330 LF of 6-inch wellfield collection pipeline within the City of Stephenville 536 Wellfield property. In addition to the pipeline work, the project includes the following site work: site grading, fencing, and installation of caliche roads and pad sites for the proposed potable water supply wells (separate contract).

The Engineer's opinion of probable construction cost submitted by Provenance Engineering during the Final Design phase was \$3,330,000.00 with contingencies for the base bid. MH Civil Constructors, Inc. submitted the low bid with a total base bid price of \$2,437,000.00. Three additional bid items were included as alternative bid items in the bid package for the use of Fusible AWWA C905/C900 DR 18 pipe for the 16-inch, 10-inch, and 6-inch pipelines. Provenance Engineering recommends the city strongly consider accepting all Bid Alternative for a total of \$700,000.00. The proposed bid alternatives would provide a superior pipe material to the proposed base bid product. The total project cost to the city would be \$3,137,010.00.

MH Civil Constructors, Inc. bid packets are attached in Attachment B. Provenance Engineering has previously teamed with MH Civil Constructors on a 14-in force main relocation project for the City of Lubbock. Based on our team's experience and feedback received from the City of Lubbock, MH Civil Constructors' work performance has been favorable on past projects. It is our recommendation the City of Stephenville enter into contract with MH Civil Constructors, Inc. to perform the 536 Wellfield - Transmission Line & Site Civil project. Please contact me if you have any questions.

Sincerely,

Kent Riker, PE
President of Provenance Engineering LLC.