

**Metropolitan Domestic Water Improvement District
Board of Directors Meeting**

March 14, 2016

**Award of the Construction Contract for the
Shannon Road, Shumaker Drive to Duskywing Drive, Waterline Connection**

Synopsis

The Board of Directors is requested to award a construction contract to INNOVA Engineering, LLC in the amount of \$24,239.00 for the construction of the Shannon Road, Shumaker Drive to Duskywing Drive, Waterline Connection.

Background

The Shannon Road, Shumaker Drive to Duskywing Drive, Waterline Connection project will enhance the District's distribution system and operations by providing an additional pathway to convey water to the west side of Shannon Road. The improvement will allow blending of South Shannon treated water with Deconcini water at the Deconcini Reservoir.

The South Shannon Well is located within ADEQ's Shannon Road-Rillito Creek and El Camino del Cerro investigation sites under the State's Water Quality Assurance Revolving Fund (WQARF) program. In 1993 and 1994 volatile organic compounds (VOC's) were discovered at the South Shannon Well. Although levels of both were found to be below maximum drinking water standards, the District decided to take the facility out of main production and use it only as a backup supply for peak demand periods. In 1997 a multi-stage diffused bubble aeration system was pro-actively installed to control the trace amounts of VOC's being observed at the time both to provide the optimal water quality for District customers and to have a system in place should the regulated constituents rise above the maximum contaminant level (MCL).

In 2006 a granular activated carbon (GAC) treatment system was installed as a result of rising VOC contaminant levels and is currently in operation today. Due to the rising levels of 1,4-Dioxane at the South Shannon well, South Shannon water is sent directly to the Deconcini Well Storage Tank through a series of valve manipulations for additional dilution and blending before distribution to further reduce 1,4-Dioxane concentrations. These valve manipulations left the area southwest of Shannon Road and Orange Grove Road with only one path for water to serve the area. This project will provide a second pathway for water from the Deconcini site to the area southwest of Shannon Road and Orange Grove Road.

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Issues

The District conducted a call for bids for the construction of the Shannon Road, Shumaker Drive to Duskywing Drive Waterline Connection on January 19, 2016. The Notice of Bid was published in the Daily Territorial on January 19, 20, 21, 22, & 25, 2016. A public bid opening was held on February 24, 2016.

Ten (10) contractors obtained the bid documents with six (6) contractors submitting actual bids. The results of the submitted bids are as follows:

Submitted Bids

<u>Contractor</u>	<u>Total Bid Amount</u>
Marcon Excavating & Construction, Inc.	\$ 93,090.00
NAC Construction	\$ 64,078.00
Rasch Construction, Inc.	\$ 52,879.00
KE&G Construction, Inc.	\$ 52,424.93
Tricon Contracting, Inc.	\$ 24,815.00
INNOVA Engineering, LLC	\$ 24,239.00
Engineer's Estimate	\$ 35,000.00

The low bidder, INNOVA Engineering LLC, is a local contractor with several years of experience in the Tucson area. Innova Engineering LLC has satisfactorily completed several infrastructure projects for the District: these projects include the La Canada Waterline Relocations, Ina Road to Calle Concordia Drive & La Canada 'C' Zone Transmission Main project, the Oracle Foothills #6 Mainline Replacement project, the Windermere Street Interconnection project, the Magee Road, Shannon Road to La Canada Drive Waterline Relocations project, the Cortaro Farms Road/Magee Road, Shannon Road (South) to Thornydale Road, Waterline Relocations and Shannon Road Transmission Main (Phase 1) and Cortaro Farms Road/Magee Road Reclaim Waterline project, the Orange Grove Road, Camino de La Tierra to La Cholla, Waterline Relocations and Magee Road, La Canada Drive to Oracle Road, Waterline Relocations (Phase III) project, the Hub 1A Well Site Improvements project for the District, and most recently the Freer Road & Camino Del Sur Interconnection.

Funds for the construction of this project are included in the current Fiscal Year 2016 budget.

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Recommendation

It is recommended that the Board of Directors award the construction contract for the Shannon Road, Shumaker Drive to Duskywing Drive, Waterline Connection to INNOVA Engineering, LLC in the amount of \$24,239.00.

It is also recommended that the General Manager be authorized to approve the following changes to the construction contract: 1) allocate additional funding a cumulative amount not to exceed \$2,500.00 (approximately 10% of bid) and 2) increase the original construction contract term a cumulative amount not to exceed sixty (60) calendar days. Approval of this authorization will allow work to proceed promptly should any unforeseen conditions be encountered during construction. Any changes in excess of the above limits will be submitted to the Board of Directors for approval.

Suggested Motion

I move to award the construction contract for the Shannon Road, Shumaker Drive to Duskywing Drive, Waterline Connection to INNOVA Engineering, LLC in the amount of \$24,239.00, and to authorize the General Manager to approve the following changes to the construction contract: 1) allocate additional funding a cumulative amount not to exceed \$2,500.00 and 2) increase the original construction contract term a cumulative amount not to exceed sixty (60) calendar days. Any changes in excess of the above limits will be submitted to the Board of Directors for approval.

Respectfully submitted,

Charlie A. Maish, P.E., R.L.S.
District Engineer

I concur with the above-noted recommendation.

Respectfully submitted,

Joseph Olsen, P.E.
General Manager