

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

September 9, 2019

**Authorizing the Award of Design Services for the
Oracle Road (SR-77) Water Line Relocations**

Synopsis

The Board of Directors is requested to authorize utilizing Engineering and Environmental Consultants, Inc., (EEC), under the City of Tucson Job Order Contract (JOC) No. 181820 – On Call Civil Engineering Services, for design services related to the Oracle Road (SR 77) Water Line Relocations.

Background

The Arizona Department of Transportation (ADOT) is designing improvements to Oracle Road (SR-77) from River Road north to Calle Concordia and is anticipating starting construction in the Fall of 2020. Staff has identified conflicts with existing District facilities between Orange Grove Road and Ina Road, and the District is required to relocate facilities in conflict per the District's franchise agreement with ADOT for the use of the right-of-way.

With the recent pipe failures within the Oracle Road corridor, staff is also recommending needed long-term capital improvements be addressed during the ADOT roadway construction period as a future pavement moratorium will increase the complexity and cost of planned capital improvements. Staff has also identified sections of the water system in conflict with the proposed improvements that could be abandoned when installation of these needed capital improvements occur.

The current schedule for completion of the roadway design is October 2019 and construction of the roadway improvements is anticipated to begin in Fall 2020.

The District's Fiscal Year 2020 budget includes funding for the design of facilities needing to be relocated. Consideration of the advancement of associated capital improvements was not anticipated during the District's budgeting process.

Issues

The current Fiscal Year 2020 budget included an estimate of \$10,000 for design of the needed relocations, which were anticipated to be completed by staff based on the level of effort anticipated at the time. Since that time, the District has received additional information that has expanded the level of water relocation work necessary. This information includes additional detail on the roadway plans, potholing data by ADOT, and a failure of a portion of the existing waterline within the project limits.

As part of the ADOT road improvements, Tucson Water has engaged the services of EEC to complete its water relocation design. Due to the economies of utilizing a consultant that is already familiar with the road improvements and has access to ADOT design files, staff is recommending also using EEC for the relocation and design of District facilities. Services will be completed using City of Tucson Job Order Contract (JOC) No. 181820 – On Call Civil Engineering Services.

EEC has provided a design proposal for a fee of \$28,706.00. The current Fiscal Year 2020 budget includes \$10,000 for design. The balance of the design costs will be funded by lower than anticipated costs for other capital items.

Recommendation

It is recommended that the Board of Directors authorize utilizing Engineering and Environmental Consultants, Inc., for the design of the Oracle Road (SR 77) Water Line Relocations under the City of Tucson Water Job Order Contract (JOC) No. 181820 – On Call Civil Engineering Services, for a not-to-exceed fee of \$28,706.00. It is also recommended the General Manager be authorized to increase the scope and fee by \$5,000.00, if necessary, to accommodate unforeseen conditions encountered during the design process.

Suggested Motion

I move to authorize utilizing Engineering and Environmental Consultants, Inc. for the design of the Oracle Road (SR 77) Water Line Relocations under the City of Tucson Water Job Order Contract (JOC) No. 181820 – On Call Civil Engineering Services, for a not-to-exceed fee of \$28,706.00 and to authorize the General Manager to increase the scope and fee by \$5,000.00, if necessary, to accommodate unforeseen conditions encountered during the design process.

Respectfully submitted,

Sheila M. Bowen, P.E.
District Engineer

I concur with the above-noted recommendation.

Respectfully submitted,

Joseph Olsen, P.E.
General Manager