

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

February 10, 2020

**Authorizing the General Manager to Negotiate a Contract
for Camino del Fierro Vacuum Breaker Installation**

Synopsis

The Board of Directors is requested to authorize the General Manager to negotiate and enter into a contract for with Tricon Contracting, Inc. (Tricon) for the installation of the Camino del Fierro Air Vacuum Breaker through the District's cooperative purchasing agreement with the City of Tucson.

Background

In December 1999, the District completed the installation of the 24" transmission main in Camino del Fierro. This waterline is a critical component of the District's Metro Main distribution system. Hydraulic modeling has indicated the waterline could be susceptible to collapse resulting from a transient event. The installation of an air vacuum breaker will minimize the potential for such a failure.

Tricon currently maintains a Job Order Contract with the City of Tucson for Fire Hydrants and Other Fire Related Services, Contract No. 171701. This contract is available for the District's use via the cooperative purchasing agreement with the City of Tucson.

Issues

Tricon proposed \$83,710.00 to complete the work, which exceeds the engineer's estimate of \$54,990.00. In discussions with the contractor, several uncertainties exist, including the extent of traffic control (it is estimated the work will require a complete shift in both directions of traffic), the extent of landscape restoration, and physical characteristics of the existing waterline. Further, the installation will necessitate two excavations: one to verify the pipeline and order materials, and the second to complete the installation, both of which will require separate traffic control events.

Recommendation

Due to the potential impact to customers that could result from a failure of the Camino del Fierro transmission main, it is recommended that the Board of Directors authorize the General Manager to negotiate and enter into a contract with Tricon to install the air vacuum breaker using the Job Order Contract No. 171701 through the City of Tucson cooperative purchasing agreement in an

amount not to exceed \$83,710.00. Staff also recommends the General Manager be authorized to increase the scope and fee by \$5,000.00, if necessary, to accommodate unforeseen conditions encountered during construction.

Suggested Motion

I move to authorize the General Manager to negotiate and enter into a contract with Tricon Contracting, Inc., to install an air vacuum breaker on the Camino del Fierro transmission main using Job Order Contract No. 171701 through the City of Tucson cooperative purchasing agreement in an amount not to exceed \$83,710.00 and to authorize the General Manager to increase the scope and fee by \$5,000.00, if necessary, to accommodate unforeseen conditions encountered during construction.

Respectfully submitted,

Sheila M. Bowen, P.E.
District Engineer

I concur with the above-noted recommendation.

Respectfully submitted,

Joseph Olsen, P.E.
General Manager