

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

**August 12, 2024**

**Authorizing the Constructability Review for the Realignment of a Portion of the  
Transmission Main for the Northwest Recharge, Recovery, and Delivery System**

**Synopsis**

Staff is requesting the Board of Directors authorize the General Manager to negotiate and execute agreements with Carollo Engineers, Inc., under the District's Miscellaneous Design Services Contract to provide a constructability review necessitated by a change in the alignment of a portion of the the Northwest Recharge, Recovery, and Delivery System (NWRRDS) transmission main.

**Background**

The final plans for the NWRRDS transmission main were submitted to the Arizona Department of Transportation (ADOT) on February 24, 2022. ADOT responded on August 31, 2022 that "The District [ADOT] would prefer that the 24" water line be located outside of ADOT right-of-way." ADOT further noted that the improvements identified in the DCR (Design Concept Report) for the future widening of I-10 would necessitate moving the waterline in the future. The need to relocate the transmission main in the future was previously noted in the preliminary design report by HDR and acknowledged by the Partners.

On September 20, 2022, District staff discussed the ADOT comments with the Partners and were directed to proceed with evaluating possible alternate routes for the transmission main where it crosses I-10. Based on that evaluation, a recommended alternate route extending east from Avra Valley Road to the District's NWRRDS forebay site was identified and agreed upon by the Partners.

At the March 13, 2023 meeting, the Board of Directors authorized staff to proceed with land acquisition activities related to the acquisition of easements within four parcels in support of the realignment. A subsequent action by the Board of Directors on January 8, 2024 authorized staff to proceed with condemnation of the waterline easement within two of the parcels. The Order for Immediate Possession was ordered by the Court on June 21, 2024. Acquisition of the other two easements is ongoing.

At the October 11, 2023 meeting, the Board of Directors authorized staff to proceed with survey and environmental services to support the design of the realignment portion of the transmission main.

**Issues**

At the April 2024 Partner meeting, the project partners determined it made sense to have District staff complete the redesign given their ongoing coordination with ADOT and knowledge of the adjacent development. In order to assure the design was appropriately vetted, the Partners also agreed to have Carollo perform a constructability review of the design.

The estimated cost for Carollo is \$38,516. Because these services are necessary to accommodate a change in the alignment, the Partners will share the cost proportionally. The District's share is \$14,813.85.

**Recommendation**

It is recommended the Board of Directors authorize the General Manager to negotiate and execute an agreement with Carollo in the amount of \$38,516. It is also recommended that the Board of Directors authorize the General Manager to increase the purchase amount by 10% or \$3,850 should any unforeseen conditions arise subsequent to the Board of Director's action and prior to completion of the services.

**Suggested Motion**

I move to authorize the General Manager to negotiate and execute an agreement with Carollo Engineers, Inc., in the amount of \$38,516 to complete a constructability review of the realigned portion of the transmission main for the Northwest, Recharge, and Recovery Project and to authorize the General Manager to increase the purchase amount by \$3,850 should any unforeseen conditions arise prior to completion of the services

Respectfully submitted,

Sheila M. Bowen, P.E.  
District Engineer

I concur with the above-noted recommendation.  
Respectfully submitted,

Joseph Olsen, P.E.  
General Manager