

**City Council
Agenda Memo**



TO: Larry D. Gilley, City Manager

**City Council
Meeting Date: Sep 26, 2013**

FROM: Rodney Taylor, Assistant Director of Water Utilities

SUBJECT: Oral Resolution authorizing an amendment to the On Demand General Engineering Services Contract for Engineering Services for Water Distribution Pipeline Design.

GENERAL INFORMATION

There exists a professional services contract with Jacob and Martin, Ltd. for On Demand General Engineering Services for the City of Abilene Water Department. This amendment to the on demand contract is for Engineering Services for Updating of the City's Hydraulic Water Model and Planning, Designing and Construction Management of the City Water Line Improvement Project (Amendment). The Amendment has a value not to exceed \$150,000.00.

Updating the existing Computer Based Hydraulic Water Model (Model) is needed prior to the design of the following pipeline projects. Jacob & Martin, Ltd. partnered with Freese & Nichols Inc. to develop the original Model for the Water Master Plan Project completed in March 2010. It is important that the Model be updated to incorporate new developments and system improvements and then be recalibrated using field measurements to assure that the model closely simulates real world behavior of the water distribution system.

There is a need for water distribution system improvements within the 3rd Pressure Plane (3PP) of south Abilene that will greatly improve the movement of water across the 3PP under current and future conditions. It will also improve the capability to transfer water produced by the Hargesheimer Water Treatment Plant into other areas of Abilene as part of the Department's Drought Response Project. Water distribution system improvements are also needed in the far southwest part of the Second Pressure Plane (2PP) that will improve water flow characteristics and reduce water age in that area.

The Amendment provides for Updating the Model, and for the design, bidding assistance, and construction oversight (not Resident Project Representation) of the described water distribution system improvements. The total cost of the Amendment is not to exceed \$150,000.00.

FUNDING/FISCAL IMPACT

Funding will utilize an encumbrance of the FY 2012 Operating Budget designated for consulting/engineering services.

STAFF RECOMMENDATION

It is recommended that the City Council authorize the Amendment as described above.

ATTACHMENTS

N/A

Prepared by: Name <u>Rodney Taylor</u> Title <u>Asst. Water Director</u>	Item No. <u>6.1</u>	Disposition by City Council <input type="checkbox"/> Approved Ord/Res# <input type="checkbox"/> Denied _____ <input type="checkbox"/> Other _____ City Secretary
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