City Council Agenda Memo



City Council

Meeting Date: December 18, 2014

TO: David A. Vela, Interim City Manager

FROM: Rodney Taylor, Assistant Director of Water Utilities

SUBJECT: Written Resolution authorizing a Construction Contract with Tank Builders Inc. for the

Northwest 7.5 MG Ground Storage Tank Rehabilitation.

GENERAL INFORMATION

The Water Department is requesting that by written resolution the City Council authorize a construction contract with Tank Builders Inc. (TBI) for the Northwest 7.5 MG Ground Storage Tank Rehabilitation. The proposal by TBI is for a turnkey project in the amount of \$1,911,000. The 7.5 MG Ground Storage Tank (GST) is an important part of the City's water distribution system and is needed for meeting peak system demands. City staff considers the demolition and rehabilitation to be an emergency repair and it is therefore exempt from standard bidding requirements. It is necessary to complete the rehabilitation project by early summer in order to minimize the risk of potential health and safety concerns with water delivery capacity.

The GST was constructed in 1966 as a part of the Northwest Pump Station facility. The facility is located in the Five Points Business Park. The GST is constructed of a welded steel shell and a welded steel roof supported by internal steel columns and girders. On October 15, 2014 City staff became aware of a failure of the roof of the GST. The Water Department contracted with Jacob and Martin, Ltd. (J&M) to assist the City in evaluating the condition of the GST. J&M hired TBI to assist in the evaluation. TBI has extensive experience in water tank design, construction, and renovation. J&M prepared a technical report describing the tank repair or replacement considerations and options. The Engineer recommends tank rehabilitation. TBI submitted a proposal for demolition, renovation, and replacement services. DN Tanks also submitted a proposal for new tank replacement. The turnkey project is for TBI to provide demolition of the failed roof, installation of a new roof and internal support system, and blasting and recoating of both the new and existing interior and exterior surfaces of the tank. The rehabilitated tank will be equivalent to a newly constructed tank. The proposal by TBI is for a turnkey project in the amount of \$1,911,000. The rehabilitation is about \$380,000 less than constructing a new tank.

The funds for the Northwest 7.5 MG GST Rehabilitation will come from the Water Department's "Unrestricted, designated for capital projects" Fund Balance.

STAFF RECOMMENDATION

City staff recommends that the City Council approve the written resolution as described above.

ATTACHMENT

Written Resolution

Prepared by:		Disposition by City Council
Name: Rodney Taylor Title: Assistant Director of Water Utilities	Item No. 7.13	□ Approved Ord/Res# □ Denied □ Other City Secretary

RESOLUTION NO.	
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A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS, AUTHORIZING A CONSTRUCTION CONTRACT WITH TANK BUILDERS INCORPORATED FOR THE NORTHWEST 7.5 MG GROUND STORAGE TANK REHABILITATION

WHEREAS, The City of Abilene (City) owns and operates the Northwest Pump Station facility which includes the Northwest 7.5 Million Gallon (MG) Ground Storage Tank (GST); and

WHEREAS, the GST is an important component of Abilene's potable water distribution system and is heavily relied upon during periods of peak summertime water demands, and it is used as an additional reserve water supply for meeting fire flows and when performing Water Treatment Plant and distribution system maintenance activities; and

WHEREAS, on October 15, 2014 City staff became aware of the failure of the internal roof support system of the 7.5 MG GST resulting in the GST being taken out of service until repairs can be made; and

WHEREAS, the Water Department contracted with Jacob and Martin, Ltd. (J&M) to assist the City with evaluating the condition of the GST and for the preparation of a technical report describing the tank repair or replacement considerations and evaluation, and included the Engineer's recommendation for rehabilitation; and

WHEREAS, J&M hired a Texas Professional Engineer from Tank Builders Inc. (TBI) having extensive experience in water tank design, construction, and renovation to assist in the evaluation and contributing to the preparation of the technical report

WHEREAS, J&M recommends that the City hire a contractor to perform a turnkey project consisting of demolition of the failed roof and stabilization of the tank shell, installation of a new roof and internal support system, and blasting and recoating of both the new and existing interior and exterior surfaces of the tank, which will result in a renovated tank having a capacity of about 5.5 million gallons and that is a near equivalent to a newly constructed tank.

WHEREAS, as it is necessary to complete the rehabilitation project by early summer in order to minimize the risk of potential health and safety concerns with water delivery capacity, City staff has determined that the demolition of the existing tank roof and the rehabilitation of the 7.5 MG GST is considered as an emergency repair and is therefore exempt from Texas Local Government Code bidding requirements; and

WHEREAS, TBI submitted a proposal for the Northwest 7.5 MG Ground Storage Tank Rehabilitation in the amount of \$1,911,000, and J&M and City staff have reviewed the proposal and do recommend that the Abilene City Council authorize a construction contract with TBI for the turnkey rehabilitation project; and

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS:

That the Abilene City Manager is authorized to execute a construction contract with Tank Builders Inc. for the Northwest 7.5 MG Ground Storage Tank Rehabilitation project, and that the value of said contract shall is based on the proposal submitted by TBI in the amount of \$1,911,000.

ATTEST:	
Danette Dunlap, City Secretary	Norman Archibald, Mayor
	APPROVED:
	T. Daniel Santee, City Attorney

ADOPTED this 18th day of December, 2014.