



Recommendation for Water & Wastewater Commission

Commission Meeting Date:	June 8, 2016
Council Meeting Date:	June 23, 2016
Department:	Public Works
SUBJECT	
Authorize negotiation and execution of an amendment to the professional services agreement with CDM SMITH, INC. , for design and bid phase services for the North Austin Reservoir and Pump Station Improvements project in the amount of \$2,887,236, using existing contract authority and authorizing an additional \$700,000 for a total contract amount not to exceed \$3,700,000. (District 7)	
AMOUNT AND SOURCE OF FUNDING	
Funding is available in the Fiscal Year 2015-2016 Capital Budget of the Austin Water.	
Purchasing Language:	N/A
Prior Council Action:	May 23, 2013- Council approved a design contract for professional engineering services.
For More Information:	John Wepryk, 512-974-7010; Joe B. Smith, 512-972-0231; Lucy Thompson, 512-974-7967; Sarah Torchin, 512-974-7141; Denise Avery, 512-972-0104
Boards and Commission Action:	June 8, 2016- To be reviewed by the Water and Wastewater Commission.
MBE/WBE:	This contract will be awarded in compliance with City Code Chapter 2-9A Minority Owned and Women Owned Business Enterprise Procurement Program by meeting the goals with 15.80% MBE and 15.80% WBE participation.

Originally constructed in 1913, the North Austin Reservoir at 5802 North Lamar Blvd, is one of the oldest water facilities in Austin's water distribution system. Over the years the facility sites, including the existing 10 million gallon reservoir and Onsite Pump Station as well as the Booster Pump Station, located across Koenig Ln, have undergone several renovations, including construction and overhaul of the pumping facilities.

The objective of this project is to decommission existing infrastructure, and construct and startup a new facility. The Consultant has substantially completed the preliminary engineering phase of the project. In this phase, the Consultant assessed the condition of the existing assets, evaluated facility options, and made a recommendation to construct a new 8 million gallon reservoir and replacement pump station, to meet today's standards.

As part of the preliminary engineering phase of this project, a condition assessment and hydraulic evaluation was completed. This incorporated previous evaluation work completed in 2011. The 2011 Reservoir Evaluation report recommended removal and replacement of the existing reservoir. In both this study and the update completed by the Consultant as a part of the preliminary engineering, the assets at the North Austin Reservoir and Pump Station were found to have greatly exceeded their expected useful life. Many of the critical mechanical, electrical, and structural assets were identified to be unsuitable and in poor condition. In addition, the facilities do not meet current standards. The preliminary engineering report recommendation defined the scope for the complete design effort, including the needed civil site improvements, demolition of the existing reservoir, replacement of aged deteriorated pipe, and construction of a new 8 million gallon concrete pre-stressed reservoir and a vertical turbine pump station. Now that the scope of the project is fully defined, additional project funds are needed to begin and complete the design and bidding phases of the project.

Existing project funds combined with the current \$700,000 request will allow the project to move into the design phase. These services will include the design of site improvements, demolition of the current reservoir, pipe replacements, and the design of the concrete pre-stressed reservoir and vertical turbine pump station. Bid phase services are also included in this amendment.

This project is located in District 7 and is managed by the Public Works Department.

CDM Smith Inc. is located in Austin, Texas.

AUTHORIZATION HISTORY

<u>AMOUNT</u>	<u>DATE -- DESCRIPTION</u>
\$3,000,000	05/23/13 (Council) – Provide engineering services for North Austin Reservoir n Pump Station Improvements
\$700,000	06/23/16 (Proposed) – Design and Bid Phase Services & Support Services
\$3,700,000	Total Contract Authorization

CONTRACT HISTORY

<u>AMOUNT</u>	<u>DATE – DESCRIPTION</u>
\$731,457	03/10/14 -- Original Professional Services Agreement for Preliminary Engineering Report

\$2,887,236	06/23/16 (Proposed) - SA # 1 Design and Bid Phase Services & Support Services
\$3,618,693	Total Contract Expenditures

M/WBE Summary

Participation goals stated in the original approved compliance plan for the agreement were 1.90% African American; 9.00% Hispanic; 4.90% Native/Asian; and 15.80% WBE. Participation for this amendment:

NON M/WBE TOTAL – PRIME	\$1,563,727	54.20%
CDM Smith, Inc., Austin, TX	\$1,563,727	54.20%
MBE TOTAL – SUBCONSULTANTS	\$556,363	19.30%
African American Subtotal	\$23,290	0.80%
(MB) HVJ, Austin, TX (geotechnical – soils)	\$23,290	0.80%
Hispanic Subtotal	\$251,177	8.70%
(MH) Garza Bury LLC, Austin, TX (transportation engineering, surveying)	\$143,927	5.00%
(MH) Negrete & Kolar, Austin, TX (architectural services, lighting)	\$107,250	3.70%
Native / Asian American Subtotal	\$281,897	9.80
(MA) Encotech Engineering Consultants, Inc., Austin, TX	\$281,897	9.80%
WBE TOTAL – SUBCONSULTANTS	\$767,146	26.60%
(FW) Axion Engineers Inc., Austin, TX (drainage, environmental permitting)	\$106,857	3.70%
(FW) CDS Graphics, Wimberley, TX (computer aided design services)	\$122,331	4.20%
(FW) Harutunian Engineering, Inc., Austin, TX (electrical & instrumentation)	\$537,957	18.60%

Overall participation based on contract expenditures as of 2/10/2016 (including this amendment):

PRIME:

70.20% Non M/WBE

SUBCONSULTANTS:

16.44% MBE; 20.13% WBE; and 4.17% Non M/WBE.

TOTAL:

16.44% MBE; 20.13% WBE; and 74.37% Non M/WBE.