

CITY OF HOUSTON - CITY COUNCIL

Meeting Date:

District E

Item Creation Date: 10/26/2016

20TY30 Amendment / AECOM Technical Services, Inc.

Agenda Item#:

Summary:

Background:

SUBJECT: First Amendment to Professional Engineering Services Contract between the City and AECOM Technical Services, Inc. for Engineering Services associated with the Northeast Water Purification Plant (NEWPP) Improvements; WBS No. S-000066-0020-3

RECOMMENDATION: (SUMMARY) Approve First Amendment to the Professional Engineering Services Contract with AECOM Technical Services, Inc. and appropriate funds.

PROJECT NOTICE/JUSTIFICATION: This project is part of the City's rehabilitation and upgrade of the Surface Water Treatment Facilities Program. The project is required to improve operability, maintainability, reliability and to assist the City meet existing and proposed requirements of the Surface Water Treatment Rules, the Texas Commission on Environmental Quality regulations, and meet immediate and future water demands.

DESCRIPTION/SCOPE: This project will entail rehabilitation of the existing chemical system, high service pump station, sludge dewatering, filter improvements, electrical and instrumentation/SCADA system at the City of Houston's existing Northeast Water Purification Plant. Professional Services provided as part of this scope of work will consist of the evaluation and design of recommended improvements, preparation of bidding documents, support during bidding phase, and provision of construction phase services.

LOCATION: This project is located on 12121 North Sam Houston Parkway East in Humble, Key Map Grids 376 Z & 377 W.

PREVIOUS HISTORY AND SCOPE: City Council approved the original Contract on June 17, 2015 under Ordinance No. 2015-0606. The scope of services under the Original Contract consisted of the following tasks:

- To evaluate and configure the design of fourth thickener
- To evaluate and configure the design of fourth belt press
- To evaluate and configure the design of new sludge operation building
- To evaluate and configure the design of second backwash pond
- To evaluate and configure the rehabilitation and/or replacement of existing three belt presses
- To evaluate the removal of media and sludge from existing backwash pond
- To evaluate the replacement and relocation of electrical equipment
- To evaluate improved local instrumentation, control, and communication systems upgrade
- To evaluate replacement of the settled sludge transfer and feed pumps and improvements to the sludge pump configuration

Under this Contract, the Consultant completed the preliminary engineering of the task listed above.

After review of the Preliminary Engineering Report and the funding, Public Utilities Division decided to revise the scopes.

SCOPE OF THIS AMENDMENT AND FEE: Under the revised scope of the First Amendment, the Engineer will accomplish only the following tasks:

- Evaluate and configure the rehabilitation and/or replacement of Chemical System and High Service Pump Station Improvements.
- Evaluate and configure the rehabilitation and/or replacement of Sludge Dewatering and Filter Improvements.
- Evaluate and configure the rehabilitation and/or replacement of Electrical and Instrumentation/SCADA system Improvements.

Under the scope of the First Amendment, the engineer will provide the Basic Services for phase I – preliminary engineering, phase II – final design, phase III – construction phase services and additional services. The budgeted basic services fee is \$1,363,647.00 and the engineer will be paid either as lump sum or on a reimbursable basis.

Certain Additional Services are also proposed to be paid as lump sum or on a reimbursable basis. The Additional Services are currently anticipated to include Surveying/Subsurface Utility Engineering, Technical Review Committee, SCADA Programming

Services, Chemical Tank Inspection, Reproduction, Onsite Pump and Motor Field Testing Services, and Emergency Design and Construction Phase Services. The total Additional Services Fee under the additional appropriation are \$596,232.00.

The Total Basic and Additional Services amount is \$1,959,879.00. The remaining balance from the original contract is \$1,435,948.00. The total requested appropriation is \$603,000.00 to be appropriated as follows: \$523,931.00 for contract services and \$79,069.00 for CIP Cost Recovery.

PAY OR PLAY PROGRAM:

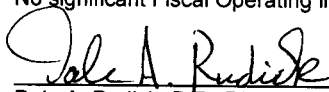
The proposed contract requires compliance with the City's 'Pay or Play' ordinance regarding health benefits for employees of City contractors. In this case, the Consultant provides health benefits to eligible employees in compliance with City policy.

M/WBE PARTICIPATION: The M/WBE goal established for this project is 24%. The original Contract amount totals \$1,800,000.00. The consultant has been paid \$364,051.22 (20.23%) to date. Of this amount, \$80,324.12 (22.06%) has been paid to M/WBE sub-consultants to date. Assuming approval of the requested additional appropriation, the contract amount will increase to \$2,323,931.00. The Consultant proposes the following plan to meet the M/WBE goal:

<u>Name of M/WBE Firms</u>	<u>Work Description</u>	<u>Amount</u>	<u>% of Contract</u>
Paid Prior M/WBE Commitment		\$80,324.12	3.46%
Unpaid Prior M/WBE Commitment		\$356,123.88	15.32%
1. Gunda Corporation, LLC	Engineering Services	\$116,047.00	4.99%
2. Zarinkelk Engineering Services, Inc.	Engineering Services	\$90,725.00	3.90%
3. United Engineers, Inc.	Land Surveying Services	\$30,000.00	1.29%
4. Kalluri Group, Inc.	Engineering Services	\$305,230.00	13.13%
	TOTAL	\$978,450.00	42.09%

ESTIMATED FISCAL OPERATING IMPACT:

No significant Fiscal Operating impact is anticipated as a result of this project.


 Dale A. Rudick, P.E., Director
 Department of Public Works and Engineering

Prior Council Action:

Ordinance No. 2015-0606, June 17, 2015

Amount of Funding:

\$603,000.00 from Fund No. 8500 - Water and Sewer System Consolidated Construction

Original (previous) appropriation of \$2,070,000.00 from Fund No. 8500 - Water and Sewer System Consolidated Construction.

Contact Information:

Ravi Kaleyatodi, P.E., CPM
 Phone: (832)-395-2326
 Senior Assistant Director, Engineering Branch

ATTACHMENTS:

Description	Type
<u>OBO (vendor Info Sheets, Letters of Intent & M/WBE Participation Schedule)</u>	Backup Material
<u>Maps</u>	Backup Material
<u>Form B (Fair Campaign Ordinance)</u>	Backup Material
<u>Ownership Information Form (doc 455)</u>	Backup Material
<u>Tax Report</u>	Backup Material
<u>Pay or Play (POP 1-3)</u>	Backup Material
<u>Form 1295</u>	Backup Material
<u>Prior Council Action - Prior RCA & Prior Ordinance</u>	Backup Material
<u>SAP</u>	Financial Information