



## CITY OF HOUSTON - CITY COUNCIL

Meeting Date:  
District B, District K  
Item Creation Date: 4/17/2017

20XL04 PES / Stantec Consulting Services Inc.

Agenda Item#:

### **Background:**

**SUBJECT:** Professional Engineering Services Contract between the City and Stantec Consulting Services Inc. for Intercontinental Airport Wastewater Treatment Plant Improvements. WBS No. R-000265-0117-3.

**RECOMMENDATION:** (SUMMARY) An ordinance approving a Professional Engineering Services Contract with Stantec Consulting Services Inc. and appropriate funds.

**PROJECT NOTICE/JUSTIFICATION:** This project is part of the ongoing program to improve inefficient components of the existing wastewater treatment plant facilities.

**DESCRIPTION/SCOPE:** This project consists of the design of a new solids handling facility and its related sub-components and various other upgrades at the Intercontinental Airport Wastewater Treatment Plant, as follows: (1) Solids handling for current permitted flows (8 million gallon per day) and loads with provisions for future expansion (14 million gallon per day) to account for flow being diverted to the plant; (2) Evaluate and provide recommendations for rehabilitation of the Chlorine Contact Basins and Chemical Feed System; (3) Evaluate the structural integrity of the administration building and provide recommendations for exterior structural cracks and roof leakage repairs; and (4) Miscellaneous Improvements including gates and mud valves replacement and scum removal system improvement.

**LOCATION:** The Intercontinental Airport Wastewater Treatment Plant is located at 2450 Rankin Road. Key Map Grid 373 M.

**SCOPE OF CONTRACT AND FEE:** Under the scope of the Contract, the Consultant will perform Phase I - Preliminary Design, Phase II - Final Design, Phase III -Construction Phase Services and Additional Services. Basic Services Fee for Phase I is based on cost of time and materials with not-to-exceed agreed upon amount. The Basic Services fees for Phase II and Phase III will be negotiated on a lump sum amount after the completion of Phase I. The total Basic Services appropriation is \$1,187,580.00.

The Contract also includes certain Additional Services to be paid either as lump sum or on a reimbursable basis. The Additional Services include Site Topographical Survey, Geotechnical Investigations, Subsurface Investigations, Reproduction Services, Storm Water Pollution Prevention Plan, Drug Testing and Compliance, Technical Review Committee Presentation and Meetings, Plant Hydraulic Evaluation and Analysis, Plant Process Flow Evaluation and Analysis, Electrical Short Circuit Study and Coordination Study, Preparation of Designer's Operation & Maintenance Manual, Independent Construction Cost Estimate, and Others. The total Additional Services appropriation is \$251,150.00.

The negotiated maximum for Phase I Services is \$337,580.00.

The total cost of this project is \$1,654,600.00 to be appropriated as follows: \$1,438,730.00 for Contract services and \$215,870.00 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 Contractor provides health benefits to eligible employees in compliance with City policy.

**M/WBE PARTICIPATION:** The M/WBE goal for the project is set at 24.00%.The Consultant has proposed the following firms to achieve this goal.

<u>Name of Firms</u>	<u>Work Description</u>	<u>Amount</u>	<u>% of Total Contract</u>
1. Kalluri Group, Inc.	Engineering Services	\$175,000.00	12.16%
2. Zarinkelk Engineering Services Inc.	Engineering Services	\$ 97,300.00	6.76%
3. EJES Incorporated	Engineering Services	\$ 65,000.00	4.52%
4. Kenall, Inc.	Engineering Services	<u>\$ 8,000.00</u>	<u>0.56%</u>
<b>TOTAL</b>		<b>\$345,300.00</b>	<b>24.00%</b>

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WBS No. R-000265-0117-3

\$1,654,600.00 from Fund No. 8500 – Water and Sewer System Consolidated Construction Fund

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### Description

- Maps
- OBO doc
- Form B
- Form A
- Ownership Information
- Tax Report
- Pay or Play
- Form 1295

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