



## CITY OF HOUSTON - CITY COUNCIL

Meeting Date: 3/19/2019  
District D, District H, District I, District J  
Item Creation Date: 2/1/2019

HPW – 20WWO759 Hurricane Harvey Disaster Cost Recovery for Wastewater Lift  
Stations - FivEngineering LLC

Agenda Item#: 35.

### **Summary:**

ORDINANCE approving and authorizing Professional Engineering Services Contract between the City of Houston and **FIVENGINEERING, LLC** for Hurricane Harvey Disaster Cost Recovery for Wastewater Lift Stations; providing a maximum contract amount - \$400,000.00 - Enterprise Fund (WBS No. R-992017-HS03-3) - **DISTRICTS D - BOYKINS; H - CISNEROS; I - GALLEGOS and J - LASTER**

### **Background:**

**SUBJECT:** Professional Engineering Services Contract between the City and Fivengineering LLC for Hurricane Harvey Disaster Cost Recovery for Wastewater Lift Stations.

**RECOMMENDATION:** (SUMMARY) An ordinance approving a Professional Engineering Services Contract with Fivengineering LLC and allocate funds.

**PROJECT NOTICE/JUSTIFICATION:** This project is part of the Hurricane Harvey Disaster Cost Recovery effort. On August 25<sup>th</sup>, 2017, Hurricane Harvey inundated the City of Houston with unprecedented rainfall flooding 71 lift stations. Due to the heavy damage caused by the storm, the City of Houston's Wastewater Operations Branch, part of Houston Water and the Houston Public Works, requires professional engineering services to assist the branch in determining repairs/replacements/improvements needed for damaged assets, preparing insurance and FEMA claims, and substantiating those claims. The contract duration for this project is 5 years.

**DESCRIPTION/SCOPE:** The consultant shall:

1. Conduct a detailed site assessment to inventory all assets and determine their functionality and condition post Hurricane Harvey.
2. Conduct a desktop analysis to determine the pre-condition of assets damaged by Hurricane Harvey and calculate the value lost due to the damage.
3. Determine solutions for bringing assets to pre-Hurricane Harvey condition, optimal operating condition, and optimal with hardening/mitigation improvements and determine the associated costs.
4. Prepare a technical memorandum to include all the information gathered and calculations made as well as recommendations for which solution should be implemented along with documentation to support the recommended solution.
5. Assist Wastewater Operations in submitting Insurance and FEMA claims.

**LOCATION:** This Project are in council districts D,H,I,J

**SCOPE OF CONTRACT AND FEE:** Under the scope of the Contract, the Consultant will perform Single-phase Professional Engineering Services. Basic Services Fee for Single Phase is based on a lump sum with a not-to-exceed agreed upon amount. The total Basic Services allocation is \$400,000.00 .

The total cost of this project is \$400,000.00 to be allocated.

**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%. 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.	Electrical	\$20,000.00	5.00%
2. Kuo & Associates, Inc	Survey	\$16,000.00	4.00%
3. Stuart Consulting Group, Inc.	Survey	\$8,000.00	2.00%
4. KIT Professional, Inc	Civil and Mechanical engineering sub-consultant services	\$32,000.00	8.00%
5. Trigon Associates, LLC	Civil and Mechanical Engineering Sub-consultant services	<u>\$40,000.00</u>	<u>10.00%</u>
<b>TOTAL</b>		\$116,000.00	29.00%

***This project was presented to the Transportation Technology and Infrastructure Committee (TTI) on November 26th, 2018.***

**FISCAL NOTE:** No Fiscal Note is required on grant items.



Carol Ellinger Haddock, P.E., Director  
Houston Public Works

WBS No(s). R-992017-HS03-3

**Prior Council Action:**

**Amount of Funding:**

\$400,000.00 - Fund No. 8386 – 2015 Flood Disaster CUS

**Contact Information:**

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**ATTACHMENTS:**

<b>Description</b>	<b>Type</b>
Council District Map	Backup Material
Project Location	Backup Material
Form B	Backup Material
Affidavit of Ownership	Backup Material
Tax Report	Backup Material
DOC 00452	Backup Material
POP	Backup Material
Form 1295	Backup Material
MWBE info	Backup Material
TTI Agenda	Backup Material
Draft Contract	Contract/Exhibit
Summary and Map for Hurricane Harvey Disaster Coversheets	Backup Material

Summary and map for Hurricane Harvey Disaster Coverage  
Funding and Finance approval  
Grant Funding Verification-CN  
Contract  
Ordinance (revised)

Backup material  
Financial Information  
Backup Material  
Contract/Exhibit  
Ordinance/Resolution/Motion