



CITY OF HOUSTON - CITY COUNCIL

Meeting Date:

District A, District F, District G, District J, District K

Item Creation Date: 5/12/2017

20TY32 Amendment / Brown & Gay Engineers, Inc.

Agenda Item#:

Background:

SUBJECT: First Amendment to Professional Engineering Services Contract between the City and Brown & Gay Engineers, Inc. for Facilities Improvements at Various Well Sites and Re-Pump Stations. WBS No. S-001000-0044-3.

RECOMMENDATION: (SUMMARY)

Approve First Amendment to the Professional Engineering Services Contract with Brown & Gay Engineers, Inc. and appropriate funds.

PROJECT NOTICE/JUSTIFICATION: This project is part of the City's improvements of various groundwater facilities, well sites and Re-Pump stations program. This program is required to meet the Texas Commission on Environmental Quality regulations. Also, this project will improve the operability, maintainability and reliability of the plants.

DESCRIPTION/SCOPE: The project was divided into three (3) packages after the completion of Phase I - preliminary design. Due to the additional scope and the design packages regrouping, the appropriated amount of the original contract only covers Phase I of Package 1, 2 and 3; Phase II and III of Package 1; and 65% of Phase II and III of Package 2. The requested funding is for the remaining design services of Phase II and III for Package 2 and Package 3.

Package 2 and Package 3 consists of providing professional engineering and related services associated with the evaluation, design and implementation of improvements to the various facilities and the following tasks:

- Engineering support services for valve and piping rehabilitation/replacements (operability of plant isolation).
- Engineering support services to rehabilitate/replace electrical switchgear, motor control components, automatic transfer switches and electrical generation support equipment.
- Provide new oil reservoirs to each well motor and remove and replace any existing oil reservoirs.
- Vibration monitoring through SCADA to each well that is having electrical upgrades.
- Provide magnetic flowmeter to each well site.
- Additional design services shall be provided as required and authorized for unanticipated problems that require corrective actions.

LOCATION:

The project sites are as follows (Package 2):

	<u>Facility</u>	<u>Facility Address</u>	<u>Key Map</u>	<u>Council District</u>
1.	Bellaire Braes Well-2	11331 Carvel Lane	529K	F
2.	Bellaire Braes Well-6A	8222 S. Dairy Ashford	528R	F
3.	Bellaire Braes Well-6B	8222 S. Dairy Ashford	528R	F
4.	District 51 Well-1	4325 Baynard	529F	F
5.	District 54 Well-3A	3322 Crossview	490Y	F
6.	District 111#1 Well-1	9603 Cook	529S	F
7.	Manning Well-2	8101 Boone Rd	529K	F
8.	Southwest Well-09	4410 Westpark	491Z	G
9.	Southwest Well-10	4426 S.W. Freeway	530C	G
10.	Southwest Well-01A	5210 Westpark	491Y	J
11.	Southwest Well-03A	5730 Westpark	491X	J
12.	Southwest Well-3SB	5730 Westpark	491X	J
13.	Southwest Well-04A	6002 Westpark	491X	J
14.	Southwest Well-05A	6302 Westpark	491W	J
15.	Southwest Well-08	8700 Westpark	530C	J
16.	Southwest Well-11	9120 Westpark	530B	J
17.	Sims Bayou Well-03	13825 Blue Ridge	570M	K
18.	Sims Bayou Well-04	12445 Hodges	570L	K
19.	Ridgemont Well-02	5230 Castle Creek	571Y	K

The project sites are as follows (Package 3):

	<u>Facility</u>	<u>Facility Address</u>	<u>Key Map</u>	<u>Council District</u>
1.	Jersey Village Well-02	11201 Spencer	409N	A
2.	Jersey Village Well-03	11905 Spencer	409P	A

3.	Jersey Village Well-04	7012 Maynard	408R	A
4.	Jersey Village Well-05	13410 Spencer	408R	A
5.	Jersey Village Well-06	13802 Spencer	408Q	A
6.	Jersey Village Well-07	6750 Addicks-Satsuma	408P	A
7.	Jersey Village Well-08	15531 Spencer	408N	A
8.	Katy Addicks Groundwater Well-06	1800 Sherwood Forest	449T	A
9.	Katy Addicks Groundwater Well-07	10907 Ridgeview	449U	A
10.	Katy Addicks Groundwater Well-09	2821-1/2 Brittmore	449L	A
11.	Katy Addicks Groundwater Well-10	12835 Clay	449G	A
12.	Katy Addicks Groundwater Well-11	1100-1/2 North Eldridge	448Y	A
13.	Katy Addicks Groundwater Well-12	11060 Timberline	449X	A
14.	Katy Addicks Groundwater Well-13	10981 Hammerly Boulevard	449Q	A
15.	Bellaire Braes Well-1	12423 Bellaire Boulevard	528H	F
16.	Bellaire Braes Well-3	11811 Corona Lane	529K	F
17.	Bellaire Braes Well-4	7803 South Dairy Ashford	528M	F
18.	West Houston 1 Well-01	15306 Westheimer	487Z	F
19.	District 218 Well-2	12930 Ashford Point	528C	F
20.	District 71 Well-4	1410 Lakeside Estates Drive	489U	G

PREVIOUS HISTORY AND SCOPE: City Council approved the original contract on June 4, 2014 under Ordinance No. 2014-0569. The scope of services under the original contract consisted of the following tasks:

- Engineering support services for valve and piping rehabilitation/replacements (operability of plant isolation).
- Engineering support services to rehabilitate/replace electrical switchgear, motor control components, automatic transfer switches & electrical generation support equipment.

In addition to the original contract, the following tasks have been added to Package 1:

- Provide new oil reservoirs to each well motor and remove and replace any existing oil reservoirs.
- Provide automatic blow off valve system to well sites - Acres Homes 2A, 2B, 3 and 3A.
- Vibration monitoring through SCADA to each well that is having electrical upgrades.
- Provide magnetic flowmeter to each well site.
- Provide electrical improvements to Acres Homes Well 05.

Phase I - preliminary design for the original scope was completed under the original contract. The project was divided into three (3) packages after the completion of Phase I - preliminary design. Package 1 is currently under final design. The design for Package 2 and 3 is underway.

SCOPE OF THIS AMENDMENT AND FEE: Under the scope of the first amendment, the engineer will complete the basic services phase II - final design, phase III - construction phase services and additional services for the rest of the work of Package 2 and the entire Package 3. The basic services fee for phase II and phase III will be negotiated on a lump sum basis. The total basic services appropriation is \$790,879.00.

The contract also includes certain additional services to be paid either as lump sum or on a reimbursable basis. The additional services include surveying, platting, reproduction services and drug testing. The total additional services appropriation is \$252,032.00.

The total requested appropriation is \$1,200,000.00 to be appropriated as follows: \$1,042,911.00 for contract services and \$157,089.00 for CIP Cost Recovery.

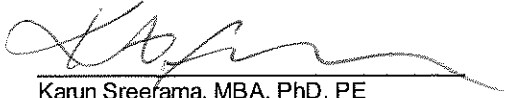
PAY OR PLAY PROGRAM: The proposed contract requires compliance with the City's 'Pay or Play' ordinance regarding health benefits for employees of City contractors. In this case, the Contractor provides health benefits to eligible employees in compliance with City policy.

M/WBE PARTICIPATION: The M/WBE goal established for this project is 24%. The original contract amount totals \$1,746,412.00. The Consultant has been paid \$868,029.14 (49.70%) to date. Of this amount, \$259,108.00 (29.85%) has been paid to M/WBE sub-consultants to date. Assuming approval of the requested additional appropriation, the contract amount will increase to \$2,789,323.00. The Consultant proposes the following plan to meet the M/WBE goal.

<u>Name of Firms</u>	<u>Work Description</u>	<u>Amount</u>	<u>% of Total Contract</u>
Paid Prior M/WBE Commitment		\$259,108.00	9.29%
Unpaid Prior M/WBE Commitment		\$181,597.00	6.51%
1. Kalluri Group, Inc.	Engineering Services	<u>\$788,426.00</u>	<u>28.27%</u>
	TOTAL	\$1,229,131.00	44.07%

ESTIMATED FISCAL OPERATING IMPACT:

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



Karun Sreefama, MBA, PhD, PE
 Director
 Department of Public Works and Engineering

WBS No. S-001000-0044-3

Prior Council Action:

Ordinance No. 2014-0569, June 4, 2014

Amount of Funding:

\$1,200,000.00 from Fund No. 8500 - Water and Sewer System Consolidated Construction Fund

Original (previous) appropriation of \$2,008,400.00 from Fund No. 8500 - Water and Sewer System Consolidated Construction Fund.

Contact Information:

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ATTACHMENTS:

Description	Type
Maps	Backup Material
OBO Docs	Backup Material
Form B	Backup Material
Ownership Information Form	Backup Material
Tax Report	Backup Material
Pay or Play	Backup Material
1295	Backup Material
Prior Council Action	Backup Material