

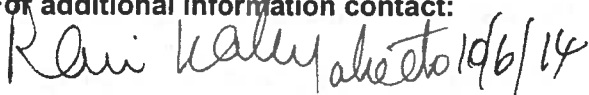
TO: Mayor via City Secretary

REQUEST FOR COUNCIL ACTION

SUBJECT: Third Additional Appropriation to Professional Engineering Services Contract between the City and Carollo Engineers, Inc. for Project Advisor/Technical Consultant for the City's future expansion of the Northeast Water Purification Plant. WBS No. S-000066-0011-3	Page 1 of 3	Agenda Item #
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From: (Department or other point of origin): Department of Public Works and Engineering	Origination Date	Agenda Date
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Director's Signature:  Dale A. Rudick, P.E., Director	Council District affected: E 
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For additional information contact:  Ravi Kaleyatodi, P.E., CPM Phone: (832) 395-2326 Senior Assistant Director	Date and identification of prior authorizing Council action: Ordinance Number 2012-0121 February 8, 2012 Ordinance Number 2013-0155 February 20, 2013 Ordinance Number 2014-0160 February 26, 2014
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Recommendation: (Summary)
Approve Third Additional Appropriation to the Professional Engineering Services Contract with Carollo Engineers, Inc. and appropriate funds.

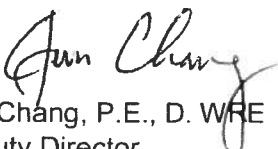

Amount and Source of Funding: \$5,500,000.00 from Water and Sewer System Consolidated Construction Fund No. 8500.
Original contract appropriation of \$977,500.00 from Water and Sewer System Consolidated Construction Fund No. 8500. First amendment and additional appropriation of \$2,541,000.00 from Water and Sewer System Consolidated Construction Fund No. 8500. Second amendment and additional appropriation of \$1,100,000.00 from Water and Sewer System Consolidated Construction Fund No. 8500. *John 10/06/2014*

PROJECT NOTICE/JUSTIFICATION: These services are to provide advisory and technical consulting assistance to the Department in executing the City's expansion of the Northeast Water Purification Plant. This expansion is required to meet future water demands, requirements of the Texas Commission on Environmental Quality regulations, and the Harris-Galveston Subsidence District Surface Water Conversion Plan.

All costs directly related to the expansion project will be shared by the City of Houston and four Regional Water Authorities. The City is currently negotiating a second supplement to the water supply contract with the Regional Water Authorities. All four Regional Water Authorities have committed to pay the City their share of the cost, that City has incurred or will incur under the appropriations to the professional engineering services contract with Carollo Engineers, Inc., including this requested additional appropriation, via a letter of agreement authorized by their perspective boards. The City's share in this expansion project is approximately 16%, and the remaining 84% of the cost will be shared by all four Regional Water Authorities.

DESCRIPTION/SCOPE: The Project Advisor/Technical Consultant will support and augment the Department in planning, coordination, execution and delivery of the Northeast Water Purification Plant expansion project. The work to be performed shall consist of some or all of the following general activities to assist and support the Department and/or additional activities in concert with the overall purpose of the contract, as authorized by the Director:

LTS No.13029 CUIC ID #20RS141

Finance Department:	Other Authorization:  Jun Chang, P.E., D. WRE Deputy Director Public Utilities Division	Other Authorization:  Daniel R. Menendez, P.E. Deputy Director Engineering and Construction Division
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- Provide raw water system planning and permitting assistance
- Perform US Corps 404 and environmental permitting
- Perform pilot operations (for the process development phase and performance validation phase)
- Perform Texas Commission on Environmental Quality coordination and reporting
- Perform special testing & monitoring (for example, conducting flavor profile analyses for taste & odor episodes)
- Provide project administrative, permitting, communications, and scheduling support
- Conduct supporting and special studies as necessary to support project management decision-making

LOCATION: This project is located on 12121 North Sam Houston Parkway East in Humble, key map grid 377W.

PREVIOUS HISTORY AND SCOPE: City Council approved the original contract by Ordinance 2012-0121 on February 8, 2012, the First Amendment by Ordinance 2013-0155 on February 20, 2013, and the Second Amendment by Ordinance 2014-0160 on February 26, 2014. The scope of services under the original contract was to support and augment the department in planning, coordination, execution and delivery of the Northeast Water Purification Plant expansion project. The First Amendment authorized additional services to perform a process evaluation, facility audit, facility re-rating evaluation, ultraviolet disinfection audit & validation, and interim expansion planning. The Second Amendment authorized legal and contracting support and development of project staffing and controls plans.

Under this contract the Project Advisor/Technical Consultant has accomplished the primary objectives of Work Orders 1 through 5C that consisted of: project framework development, treatment concept development, delivery alternative development, project approach alternative assessment, conceptual project schedule; technical support to the City to maintain operations at the North East Water Purification Plant following storm events in February and July, 2012; process evaluation, facility audit, facility re-rating evaluation, ultraviolet disinfection audit and validation, interim expansion planning; authority engagement; raw water cleaning and restoration evaluation; project delivery fact finding; project delivery approach evaluation and development of project staffing and controls plans. The consultant has been authorized \$3,307,216.00 out of the original, first and second amendment contract appropriations to date. The requested \$5,000,000.00 will be expended to continue the services as described in the scope of additional funding.

SCOPE OF THIS ADDITIONAL FUNDING AND FEE: The requested additional appropriation will be utilized to perform basic and additional services as defined by individual work orders. With the supplemental funding, the Project Advisor/Technical Consultant will perform treatment process pilot evaluations, raw water intake permitting and other additional services.

The budgeted amount for this amendment is \$5,500,000.00 to be appropriated as follows: \$5,000,000.00 for Contract Services and \$500,000.00 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.

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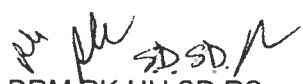

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M/WBE INFORMATION: The M/WBE goal for the contract is 24%. The original contract and previous additional appropriations amount is \$4,004,305.00. The engineer has been authorized to perform services up to the contract amount of \$3,307,216.00. The engineer has been paid \$2,718,370.00 (82.20%) to date. Of this amount, \$540,100.00 (19.87%) has been paid to M/WBE sub-consultants to date. The engineer proposes the following plan to meet the MWBE goal:

<u>Name of Firms</u>	<u>Work Description</u>	<u>Amount</u>	<u>% of Total Contract</u>
1. Paid Prior M/WBE Commitment		\$540,099.56	6.00%
2. Unpaid Prior M/WBE Commitment		\$253,700.00	2.82%
3. ESPA CORP, Inc.	Civil Engineering Services	\$301,700.00	3.35%
4. Gupta & Associates, Inc.	Electrical Instrumentation Design	\$78,000.00	0.87%
5. Kuo & Associates, Inc.	Engineering Support Services	\$624,000.00	6.93%
6. M/WBE Firm TBD	Various Services	<u>\$363,000.00</u>	<u>4.03%</u>
TOTAL		\$2,160,499.56	24.00%

NON-M/WBE INFORMATION: Additional Firms to be used but not included in the M/WBE goal:

<u>Name of Firms</u>	<u>Work Description</u>	<u>Amount</u>	<u>% of Total Contract</u>
1. Paid Non-M/WBE Firms	Engineering Support Services	\$383,006.94	4.25%
2. CP&Y	Engineering Support Services	\$530,000.00	5.89%
3. RPS Espey, Inc.	Engineering Support Services	\$50,000.00	0.56%
4. Consulting Firm TBD	Permitting Support Services	<u>\$150,000.00</u>	<u>1.67%</u>
TOTAL		\$1,113,006.94	12.37%



DAR:DRM:RK:HH:SD:RS

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