



CITY OF HOUSTON - CITY COUNCIL

Meeting Date:

ALL

Item Creation Date: 6/1/2016

20ACM89 Amendment/Lockwood Andrews

Agenda Item#:

Background:

SUBJECT: Third Amendment to Professional Engineering Services Contract between the City of Houston and Lockwood, Andrews & Newnam, Inc., for Professional Engineering Services associated with the Surface Water Transmission Program. WBS No. S-000900-0121-3.

RECOMMENDATION: (Summary) An ordinance approving a Third Amendment to the Professional Engineering Services Contract with Lockwood, Andrews & Newnam, Inc., and appropriate additional funds.

PROJECT NOTICE/JUSTIFICATION: This contract and amendments support the execution of the Surface Water Transmission Infrastructure Capital Improvement Program. The Surface Water Transmission Program provides professional engineering services to assist the City of Houston (City) in meeting the current and future system demands and technical support to City staff on various elements of the transmission system.

DESCRIPTION/SCOPE: This appropriation will fund a number of specific tasks to maximize the City's use of available surface water. These tasks include various engineering services for the construction of new infrastructure and rehabilitation of existing infrastructure. New infrastructure support includes feasibility and routing studies and design for water transmission lines and appurtenances necessary to meet regulatory requirements. Rehabilitation support includes evaluating the condition and designing solutions to assist the City in extending the useful life of critical transmission lines. The net result of these efforts will improve water system reliability and operational efficiencies stemming from the consolidation of groundwater pump station facilities.

LOCATION: Various locations citywide.

SCOPE OF AMENDMENT AND FEE: Under the scope of the Contract, the consultant will perform program management (supporting the City's management of the proposed design efforts), phase I - preliminary design, phase II - final design, phase III - construction services and additional services. Basic services fee for phase I is based on cost of time and materials with a not-to-exceed agreed upon amount. Basic services fee for phase II and phase III will be negotiated on a lump sum amount after completion of phase I. The total basic services appropriation is \$2,185,000.00.

The Contract also includes certain additional services to be paid either as lump sum or on a reimbursable basis. The additional services include public meetings, surveying, geotechnical investigations, phases I and II environmental services, traffic control, surge analysis, real estate assistance and condition assessment effort. Technical support encompasses specialized engineering services required for developing technical criteria for the program, water system modeling and City planning support efforts. The total additional services, technical support, and program management fee under this amendment is \$2,195,900.00.

The total requested appropriation is \$5,038,035.00 to be appropriated as follows: \$4,380,900.00 for contract services and \$657,135.00 for CIP cost recovery.

WBS No.	PROJECTS	ENGINEER OF RECORD	DISTRICT	KEY MAP
S-000701-0021-3	Work Orders and On-Call Large Diameter Water Line - Pkg. 14	Lockwood, Andrews & Newnam, Inc.	All	Various
S-000701-0024-3	Rehabilitation of Above Grade Crossings Package 2 Work Order	Lockwood, Andrews & Newnam, Inc.	B, H, I, & K	455B, 494J, 535L, & 570M
S-000701-0037-3	Clear Brook City MUD Pressure Reducing Valve Station on Scarsdale Boulevard East of Beamer Road	Lockwood, Andrews & Newnam, Inc.	D	616C
S-000900-0134-3	72-inch Water Line along Tuam, Fannin, Holman, Emerson, Garrott, Hawthorne, Audubon, and Kipling from Crawford to Mt. Vernon (Additional Scope)	HDR Engineering, Inc.	C & D	493S, T & U

S-000900-0135-3	72-inch Water Line along Kipling, Woodhead, and Branard from Mt. Vernon to Greenbriar (Additional Scope)	Kuo & Associates, Inc.	C	492U & V & 493S
S-000901-0014-3	66-inch Water Line Repair and Condition Assessment at US 59 and Beltway 8	Lockwood, Andrews & Newnam, Inc.	B	

The proposed budgeted funding allocation for the aforementioned support services is outlined below:

·	Program Management	\$178,000.00
·	Engineering Project Design Services	\$2,632,830.00
·	Technical Support	\$1,320,070.00
·	Contingency	\$250,000.00
·	TOTAL	\$4,380,900.00

PREVIOUS HISTORY AND SCOPE: City Council approved the original contract on March 6, 2013 by Ordinance Number 2013-0210, the subsequent appropriations; Phase III Services on August 28, 2013 by Ordinance Number 2013-0767, the First Amendment on June 25, 2014 by Ordinance Number 2014-0685, Clear Brook City PRV on December 10, 2014 by Ordinance No. 2014-1131, Phase III Services on April 8, 2015 by Ordinance No. 2015-0307, Phase III Services on June 17, 2015 by Ordinance No. 2015-0577, and the Second Amendment on July 29, 2015 by Ordinance Number 2015-0731. Under this contract, the designs of the above-referenced projects are anticipated to be completed under this appropriation. The Surface Water Transmission Program has assisted the City in reducing the groundwater pumpage and associated subsidence, meeting existing water contractual requirements, providing technical assistance during transmission main outages, and supporting the City's Condition Assessment efforts.

PAY OR PLAY PROGRAM: The proposed contract requires compliance with the City's 'Pay or Play' ordinance regarding health benefits for employees of City Consultants. 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 contract is 24%. The original contract, subsequent additional appropriations, the First Amendment, and Second Amendment total \$41,423,400.00. The engineer has been paid \$16,510,377.20 (39.86 %) to date. Of this amount, \$4,930,049.57 (29.86%) has been paid to M/WBE sub-consultants. Assuming approval of the requested additional appropriation, the contract amount will increase to \$45,804,300.00. The engineer proposes the following plan to meet the M/WBE goal participation.

Name of M/WBE Firms	Work Description	Amount	% of Total Contract
Paid Prior M/WBE Commitment		\$4,930,049.57	10.76%
Unpaid Prior M/WBE Commitment		\$7,253,030.43	15.84%
Gunda Corporation	Traffic Control Services	\$30,000.00	0.06%
Isani Consultants, L.P.	Storm Water Pollution Prevention Services	\$7,500.00	0.02%
Kuo & Associates, Inc.	Design Consultant, Limited Construction Phase Services	\$400,000.00	0.87%
Martinez, Guy & Maybik, Inc., dba MGM, Inc.	Engineering Support	\$100,000.00	0.22%
Nathelyne A. Kennedy & Associates, L.P.	Engineering Support	\$230,000.00	0.50%
	TOTAL M/WBE	\$12,950,580.00	28.27%
Non-M/WBE Firms to be used in Contract			
C. N. Koehl Urban Forestry, Inc.	Tree Protection Services	\$4,700.00	0.01%
MBCO Engineering, LLC	Survey Services, Environmental Site Assessment Services	\$110,000.00	0.24%
HDR Engineering, Inc.	Design Consultant, Limited Construction Phase Services	\$665,000.00	1.70%
	TOTAL NON-M/WBE	\$779,700.00	1.70%

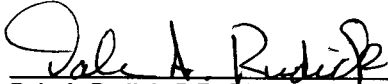
Non-M/WBE firms will be used in the contract to accomplish the following tasks: tree protection services, survey services, environmental site assessment services, design and construction phase services, for a total amount of \$779,700.00, which is 1.70% of the total contract.

ESTIMATED FISCAL OPERATING IMPACT:

PROJECT WBS#	FY17	FY18	FY19	FY20	FY21

						FY17-FY21 Total
S-000701-0021-3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
S-000701-0024-3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
S-000701-0037-3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
S-000900-0134-3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
S-000900-0135-3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
S-000901-0014-3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

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. 2015-0731, July 29, 2015
- Ordinance No. 2015-0577, June 17, 2015
- Ordinance No. 2015-0307, April 8, 2015
- Ordinance No. 2014-1131, December 10, 2014
- Ordinance No. 2014-0685, June 25, 2014
- Ordinance No. 2013-0767, August 28, 2013
- Ordinance No. 2013-0210, March 6, 2013

Amount of Funding:

- \$5,038,035.00 Total Cost
- \$5,036,205.00 – Water and Sewer System Consolidated Construction Fund No. 8500,
- \$1,830.00 – Water and Sewer Contributed Capital Fund No. 8319.

Original (previous) contract appropriation of \$14,453,200.00 and subsequent appropriations totaling \$32,969,774.00 out of the Water and Sewer System Consolidated Construction Fund No. 8500 and \$130,926.00 out of the Water and Sewer Contributed Capital Fund No. 8319.

Contact Information:

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 Senior Assistant Director

ATTACHMENTS:

Description	Type
<u>Third Amendment Part 1</u>	Backup Material
<u>Third Amendment Part 2</u>	Backup Material
<u>PCA Ordinance 2013-0210</u>	Backup Material
<u>PCA Ordinance 2013-0767</u>	Backup Material
<u>PCA Ordinance 2014-0685</u>	Backup Material
<u>PCA Ordinance 2014-1131</u>	Backup Material
<u>PCA Ordinance 2015-0307</u>	Backup Material
<u>PCA Ordinance 2015-0577</u>	Backup Material
<u>PCA Ordinance 2015-0731</u>	Backup Material
<u>Form B</u>	Backup Material
<u>Maps</u>	Backup Material
<u>OBO</u>	Backup Material
<u>Affidavit of Ownership</u>	Other
<u>Tax Report</u>	Other
<u>Form 1295</u>	Other
<u>Pay or Play</u>	Other
<u>SAP</u>	Financial Information