



# CITY COUNCIL

## AGENDA REQUEST

<b>AGENDA OF:</b>	<b>01-17-12</b>	<b>AGENDA REQUEST NO:</b>	<b>IV-C</b>
<b>INITIATED BY:</b>	<b>TIMOTHY JAHN, P.E. ENGINEER IV <i>TWJ</i></b>	<b>RESPONSIBLE DEPARTMENT:</b>	<b>ENGINEERING</b>
<b>PRESENTED BY:</b>	<b>TIMOTHY JAHN, P.E. ENGINEER IV</b>	<b>DIRECTOR:</b>	<b>CHRISTOPHER STEUBING, P.E., CFM, CITY ENGINEER <i>CS</i></b>
		<b>ADDITIONAL DIRECTORS (S):</b>	<b>SUELLEN STAGGS, <i>SS</i> DIRECTOR OF UTILITIES</b>

**SUBJECT / PROCEEDING:** **36-INCH SURFACE WATER TRANSMISSION LINE – CIP SW0801  
AUTHORIZE CONSTRUCTION CONTRACT WITH TEXAS STERLING CONSTRUCTION**

**EXHIBITS:** **SURFACE WATER TRANSMISSION PIPELINE PHASE I MAP  
SIGNED STANDARD CONTRACT FOR CIVIL ENGINEERING CONSTRUCTION PROJECTS  
RECOMMENDATION OF AWARD LETTER FROM LOCKWOOD, ANDREWS AND NEWNAM, INC**

CLEARANCES	APPROVAL
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<b>LEGAL:</b>	<b>N/A</b>	<b>ASSISTANT CITY MANAGER:</b>	<b>KAREN DALY <i>KD</i></b>
<b>PURCHASING:</b>	<b>TODD REED, PURCHASING MANAGER <i>TR</i></b>	<b>ASSISTANT CITY MANAGER:</b>	<b>N/A</b>
<b>BUDGET:</b>	<b>JENNIFER BROWN, <i>JB</i> DIRECTOR OF BUDGET &amp; RESEARCH</b>	<b>CITY MANAGER:</b>	<b>ALLEN BOGARD <i>Allen Bogard</i></b>

BUDGET
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<b>EXPENDITURE REQUIRED: \$</b>	<b>10,986,208.70</b>
<b>CURRENT BUDGET: \$</b>	<b>16,778,753 AVAILABLE IN SW0801</b>
<b>ADDITIONAL FUNDING: \$</b>	<b>N/A</b>

RECOMMENDED ACTION
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Authorize execution of a construction contract between the City of Sugar Land and Texas Sterling Construction for the installation of a 36-inch surface water line from the Surface Water Treatment Plant on Voss Rd. to the First Colony Water Plant, Project CIP SW0801, in a maximum amount of \$10,986,208.70.

## EXECUTIVE SUMMARY

In order to meet compliance with the Fort Bend Subsidence District regulations, the City's Groundwater Reduction Plan requires partial conversion to surface water by 2013. Surface water transmission pipelines must be constructed to bring the treated water from the surface water treatment plant to the existing groundwater plants for distribution. A Preliminary Engineering Report (PER) was completed in July 2009. The PER recommended two surface water pipelines (24-inch and 36-inch diameters) to convey surface water to the City's groundwater plants that will receive surface water in Phase I. Easement acquisition began in Summer 2009 and continued through November 2010. The design of the 24-inch waterline was completed in February 2011 and construction is expected to be substantially completed in January 2012. The 36-inch waterline design was completed in November 2011 and is ready for construction.

In order to get the best value for the City, it was determined that Competitive Sealed Proposals (CSPs), under Section 2267 of the Texas Government Code, would provide the best value selection of a contractor for this critical project. This method for construction selection is relatively new in the field of municipal civil construction. In accordance with State Code and City policy, the CSP process allows the City to select a contractor based on price and qualifications from weighted average selection criteria. For this project, the evaluation was based on the following weighted criteria:

- Price Proposal 40%
- Scope Management Plan 10%
- Project Schedule 10%
- Project Management/Personnel Qualifications 15%
- Quality Assurance Plan 10%
- Past Experience/References 15%.

The 36-inch surface water line advertised for Competitive Sealed Proposals (CSPs) and eight proposals were received on November 3, 2011. A five-person team composed the evaluation committee and included two representatives from the Engineering Department, two from the Utilities Department, and one from Lockwood, Andrews and Newnam, Inc. (LAN), who is the design engineer firm. The proposal price, technical information, interviews, and references were all considered in making the final recommendation. The following is the final ranking of the proposers:

- 1) Texas Sterling Construction;
- 2) S.J. Louis;
- 3) James Construction;
- 4) BRH-Garver;
- 5) Holloman Corp.;
- 6) Hurtado Construction;
- 7) Oscar Renda Construction;
- 8) E.P. Brady

The price contained in the proposals ranged from \$10.162 million to \$16.794 million. Through the CSP process, the best value determined by the evaluation committee was Texas Sterling Construction. Texas Sterling has pipeline experience in the Houston/Galveston area and has a history of maintaining projects on or ahead of construction schedules as well as minimizing construction cost increases. Currently, Texas Sterling is constructing the University Boulevard South project in Sugar Land.

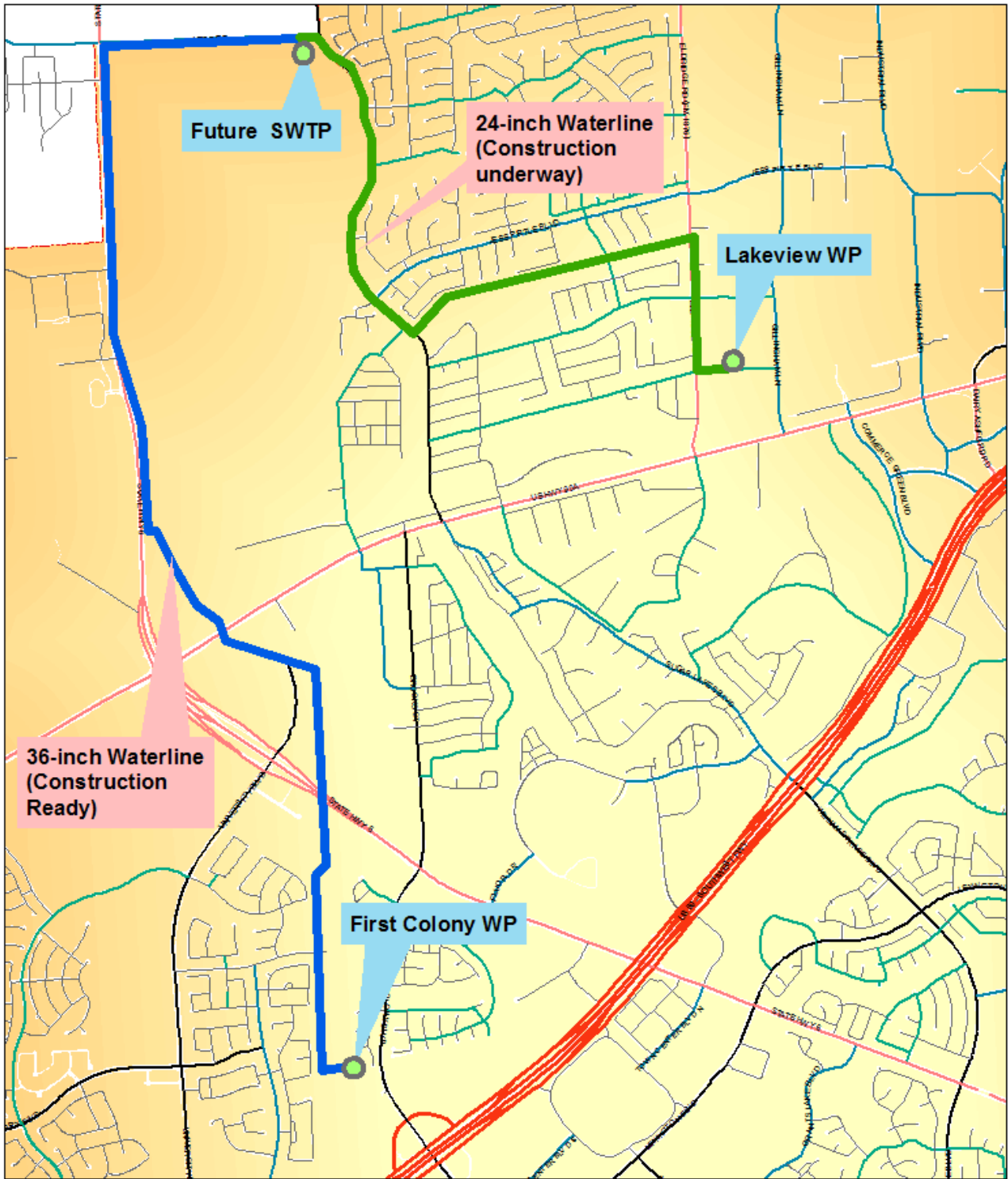
As allowed in the Competitive Sealed Proposal process, Texas Sterling Construction was contacted and after negotiations, agreed to contract with the City for this project in the proposed amount of \$10,986,208.70. This project will be funded from SW0801, which has available funds of \$16,778,753. The design engineer firm, LAN, has provided a letter of recommendation as well.

The scope of work for this project will include installation of about 24,000 feet of 36-inch waterline and associated appurtenances, an 84-inch diameter tunnel bore, pavement replacement, aerial crossings, and miscellaneous items. Assuming a Notice to Proceed in February 2012, the project is expected to be completed in February 2013 with

duration of 365 calendar days to substantial completion.

The Engineering and Utilities Departments recommend that the City Council authorize execution of a construction contract between the City of Sugar Land and Texas Sterling Construction for the installation of a 36-inch surface water line from Voss Rd. to First Colony Water Plant, Project CIP SW0801, in a maximum amount of \$10,986,208.70.

**EXHIBITS**



**CITY OF SUGAR LAND  
SURFACE WATER TRANSMISSION PIPELINE PHASE I  
RECOMMENDED ROUTES**



**CITY OF SUGAR LAND**  
**STANDARD CONTRACT FOR CIVIL ENGINEERING CONSTRUCTION PROJECTS**  
(Rev. 11-2-09)

This City of Sugar Land Standard Contract for Civil Engineering Construction Projects (Contract) is made between the City of Sugar Land, Texas (City), and the Contractor. The City and the Contractor agree to the terms and conditions of this Contract, which consists of the following:

- I. Summary of Contract Terms
- II. Standard Contractual Provisions
- III. Contract Documents
- IV. Signatures

**I. Summary of Contract Terms.**

Project: 36-Inch Surface Water Line from Voss Road to First Colony Water Plant  
CIP SW0801

Contractor: Texas Sterling Construction

Name and Address of Engineering Firm, if any: Lockwood, Andrews and Newnam, Inc.  
2925 Briarpark Drive, Suite 400  
Houston, TX 77042-37

Name of Owner's Project Manager: Timothy W. Jahn, P.E.

Base Proposal: \$10,986,208.70

Alternate Proposal Item Nos.: N/A

Total Alternate Proposal Items Amount: \$N/A

Contract Price (Base Proposal + Alternates): \$10,986,208.70, as may be adjusted by Change Orders

Effective Date of Contract: On the latest date of the dates executed by both parties

Date to Begin Work: Date specified in Notice to Proceed

Substantial Completion: Contractor must achieve Substantial Completion within 365 Calendar Days from date specified in Notice to Proceed, as the time may be adjusted by Change Order

Final Completion: Contractor must complete the Punch List within 30 Calendar Days from Substantial Completion

Liquidated Damage Amount for Failure to Meet Time for Substantial Completion of Project:

1-30 days--\$3,000 per calendar day  
31-60 days--\$10,000 per calendar day  
61<sup>st</sup> day and every day thereafter--\$15,000 per calendar day

If there is a conflict between or among the terms of the Contract the City will determine which provision applies.

**IV. Signatures.** By signing below, the parties agree to the terms of this Contract:

**CITY OF SUGAR LAND**

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**CONTRACTOR:**



By: \_\_\_\_\_

Name: WILLIAM S. MITCHELL

Title: VICE PRESIDENT

Date: 1/5/2012



**Lockwood, Andrews  
& Newnam, Inc.**  
A LEID & DALY COMPANY

January 5, 2012

City of Sugar Land  
P.O. Box 110  
Sugar Land, TX 77487-0110

Attention: Mr. Timothy W. Jahn, P.E.

Subject: Proposed City of Sugar Land 36-inch Surface Water Transmission Line to First Colony Water Plant - Contract Award Recommendation

Dear Tim,

Lockwood, Andrews & Newnam, Inc. (LAN) has evaluated the eight (8) proposals received on November 3, 2011 for the above referenced project.

Based on the Competitive Sealed Proposal evaluation criteria utilized by the committee, LAN recommends the contract be awarded to Texas Sterling Construction, in the total base bid amount of \$10,986,208.70. LAN has previously worked with Texas Sterling Construction on several similar projects, in which they demonstrated their ability to perform similar work in an exemplary fashion.

If you have any questions or require any additional information, please do not hesitate to contact me directly at 713-821-0426.

Sincerely,

A handwritten signature in blue ink that reads 'S. Serres'. The signature is written in a cursive, flowing style.

Shelley Serres, P.E.  
Project Manager

A2Eng Award Recomm Letter.doc