



AGENDA MEMORANDUM

Future Item for the City Council Meeting of February 12, 2013
Action Item for the City Council Meeting of February 26, 2013

DATE: January 28, 2013

TO: Ronald L. Olson, City Manager

FROM: Daniel Biles, P.E., Director of Engineering Services
DanB@cctexas.com
(361) 826-3729

Foster Crowell, Director of Wastewater Services
FosterC@cctexas.com
(361) 826-1801

Execute Construction Contract
Oso Water Reclamation Plant
Nutrient Removal Project (Ammonia) – Phase 1

CAPTION:

Motion authorizing the City Manager, or designee, to execute a Construction Contract with CSA Construction of Houston, Texas in the amount of \$3,461,025.00, for Oso Water Reclamation Plant Nutrient Removal Project (Ammonia) – Phase 1.

PURPOSE:

The purpose of this Agenda Item is to execute the Construction Contract for Oso Water Reclamation Plant Nutrient Removal Project (Ammonia) – Phase 1.

BACKGROUND AND FINDINGS:

This project is the second package of construction to enable the Oso Water Reclamation Plant to meet new Texas Commission on Environmental Quality (TCEQ) permit criteria for ammonia.

The work consists of construction of a Breakpoint Chlorination (BPC) chemical feed system including two (2) concrete storage containment areas, storage tanks, peristaltic feed pumps, PVC piping, valves, flow meters, mixers, and appurtenances for sodium hypochlorite, sodium hydroxide, and sodium bisulfite. The chemical feed systems will also include electrical improvements, analyzers, monitoring equipment, communication radios, sample pumps, equipment racks, cable trays, PLC controllers, prefabricated fiberglass building, and the programming and automation of the entire system. A single system integrator shall oversee, incorporate and ultimately be responsible for the integration of each of the chemical feed, automation, monitoring, and control component subsystems into a single combined system. A work station will be installed in the existing administration building for monitoring and controlling the entire system.

The project also includes the installation of three (3) skid mounted electric self-priming centrifugal pumps.

On January 16, 2013, the City received proposals from two (2) bidders and their respective bids are as follows:

Contractor	Base Bid
CSA Construction Houston, TX	\$3,461,025.00
J S Haren Company Athens, TN	\$3,885,000.00

The City's consultant, LNV, Inc., conducted a bid analysis of the two (2) proposals submitted to the City. The lowest bidder, based on the Total Base Bid, is CSA Construction of Houston, Texas. Based on the information submitted for Special Provisions A-28, A-29, and A-30, CSA Construction has the experience and resources to complete the project.

ALTERNATIVES:

1. Execute the Construction Contract with CSA Construction as proposed.
2. Do not execute the Construction Contract with CSA Construction as proposed.

OTHER CONSIDERATIONS:

Award of construction contract is required to enable Oso Water Reclamation Plant to comply with recent TCEQ ammonia permit limits criteria (4 mg/L). Permit criteria must be met on or before October 2013.

CONFORMITY TO CITY POLICY:

Conforms to statues regarding bid process; FY 2012-2013 Wastewater Capital Improvement Planning (CIP) Budget.

EMERGENCY / NON-EMERGENCY:

Non-emergency

DEPARTMENTAL CLEARANCES:

Wastewater Department

FINANCIAL IMPACT:

Operating Revenue Capital Not applicable

Fiscal Year 2012-2013	Project to Date Expenditures (CIP only)	Current Year	Future Years	TOTALS
Line Item Budget	\$1,354,100.00	\$8,635,400.00	\$2,927,000.00	\$12,916,500.00
Encumbered / Expended Amount	\$1,354,100.00	\$6,373,903.00		\$7,728,003.00
This item		\$2,226,497.00	\$1,234,528.00	\$3,461,025.00
Future Anticipated Expenditures This Project		\$35,000.00	\$1,608,088.00	\$1,643,088.00
BALANCE	\$0.00	\$0.00	\$84,384.00	\$84,384.00

Fund(s): Wastewater CIP #2

Comments: This project requires 180 calendar days with anticipated completion approximately September 2013. The Construction Contract will result in the expenditure of an amount not to exceed \$3,461,025.00. This amount will be funded over two years, with FY 13 funding \$2,226,497.00 and FY 14 will be required in the amount of \$1,234,528.00. Additional CIP money will be requested at a later date in the amount of \$900,000.00 for FY 14.

RECOMMENDATION:

City Staff recommends the approval of the Construction Contract with CSA Construction of Houston, Texas in the amount of \$3,461,025.00 for the Oso Water Reclamation Plant Nutrient Removal Project (Ammonia) – Phase 1.

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Location Map