



AGENDA MEMORANDUM

Future Item for the City Council Meeting of September 24, 2013
Action Item for the City Council Meeting of October 8, 2013

DATE: September 3, 2013

TO: Ronald L. Olson, City Manager

FROM: Daniel Biles, P.E., Director of Engineering Services
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Engineering Design Contract
Staples Street Pumping Plant
New 10 Million Gallons Daily (MGD) Pumps

CAPTION:

Motion authorizing the City Manager, or designee, to execute Amendment No. 2 to the Contract for Professional Services with Urban Engineering of Corpus Christi, Texas in the amount of \$135,640.00, for a total restated fee not to exceed \$352,110.00 for Staples Street Pumping Plant New 10 MGD Pumps.

PURPOSE:

The purpose of this Agenda Item is to execute the amended contract for Staples Street Pumping Plant New 10 MGD Pumps to complete the project design.

BACKGROUND AND FINDINGS:

The existing Staples Street Pumping Plant was designed by Urban Engineering and subsequently constructed in 2001 to increase the water supply system for the City as recommended in the City's 1997 Water Master Plan. The pump station was designed to accommodate two 10 MGD pumps and two 5 MGD pumps, but only two 5 MGD pumps were installed with the original construction in 2001. The pump station was constructed with sufficient footprint space to accommodate the addition of two future 10 MGD pumps. Due to system demand, it is time to install two 10 MGD pumps.

This contract, Amendment No. 2, includes services required for the upgrade of the existing Supervisory Control and Data Acquisition (SCADA) for the Staples Street Pump Station. This amendment contract will provide for developing control system application and Human Machine Interface (HMI) graphics for the City-standard SCADA platform, integrate these additions into existing system-wide SCADA, and obtain validation of the new system. The engineering services include design of the SCADA improvements, preparation of construction bid and

contract documents assisting the City in bidding the project, and providing commissioning of the improvements.

ALTERNATIVES:

1. Execute the Contract amendment for Professional Services with Urban Engineering as proposed.
2. Do not execute the Contract amendment for Professional Services with Urban Engineering as proposed.

OTHER CONSIDERATIONS:

SCADA system design is technically sophisticated and provides cost efficient operational controls. This technology will require additional design and programming executed to develop sequence of operation and system integration. These additional services are included in this Contract amendment. The engineering design service is approximately 9.3% of the construction estimate and 6.6% of that project budget.

CONFORMITY TO CITY POLICY:

Conforms to statues regarding FY 2013-2014 Water Capital Improvement Planning (CIP) Budget.

EMERGENCY / NON-EMERGENCY:

Non-Emergency

DEPARTMENTAL CLEARANCES:

Water Department

FINANCIAL IMPACT:

Operating Revenue Capital Not applicable

Fiscal Year 2013-2014	Project to Date Expenditures (CIP only)	Current Year (2013-2014)	Future Years	TOTALS
Line Item Budget	\$1,587,400.00	\$800,000.00		\$2,387,400.00
Encumbered / Expended Amount	\$216,470.00			\$216,470.00
This Item		\$135,640.00		\$135,640.00
Future Anticipated Expenditures This Project	\$1,370,930.00	\$596,489.00		\$1,967,399.00
BALANCE	\$0.00	\$67,891.00		\$67,891.00

Fund(s): Water CIP #12

Comments: The amendment Contract for Professional Services will result in the expenditure of an amount not to exceed \$135,640.00.

RECOMMENDATION:

City Staff recommends approval of Amendment No. 2 to the Contract for Professional Services with Urban Engineering of Corpus Christi, Texas in the amount of \$135,640.00, for a total restated fee not to exceed \$352,110.00 for Staples Street Pumping Plant New 10 MGD Pumps.

LIST OF SUPPORTING DOCUMENTS:

Project Budget

Location Map

Contract

PowerPoint Presentation