



AGENDA MEMORANDUM

Future Item for the City Council Meeting of June 23, 2015
Action Item for the City Council Meeting of July 14, 2015

DATE: May 28, 2015

TO: Ronald L. Olson, City Manager

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Engineering Construction Contract

Choke Canyon Dam
Spillway Gate Rehabilitation

CAPTION:

Motion authorizing the City Manager or designee to execute a construction contract with Blastco Texas, Inc. of Houston, Texas in the amount of \$2,655,800 for the Choke Canyon Dam Spillway Gate Rehabilitation for the Base Bid plus Additive Alternate No. 1.

PURPOSE:

The purpose of this agenda item is to obtain authority to execute a construction contract for the Choke Canyon Dam Spillway Gate Rehabilitation for the Base Bid plus Additive Alternate No. 1.

BACKGROUND AND FINDINGS:

Choke Canyon Dam is located in south Texas on the Frio River four miles west of Three Rivers, Texas and approximately 90 miles northwest of the City of Corpus Christi. The dam is comprised of a zoned earthen embankment, a reinforced concrete spillway with seven spillway gates, and an outlet works structure near the center of the dam. Construction of the dam and appurtenant structures, including spillway, occurred between 1976 and 1982. The spillway gates have never been fully recoated since then. The United States Bureau of Reclamation, who continues to own the dam and share in maintenance expenses with the City, has identified the rehabilitation of the coating on the spillway gates as a priority maintenance item for the facility in several annual inspections.

In 2013, an inspection of the spillway gates and upstream stop log slots was performed by Freese and Nichols, Inc. (FNI) on behalf of the City. Based on observations from the inspection, rehabilitation of the spillway gates including recoating seven (7) spillway gates, placing new water-tight seals, structural and miscellaneous modifications, and stop log slot resurfacing is needed to increase the service life of the structure and prevent future corrosion and subsequent section loss and connection deterioration.

Due to the drought climate condition of Texas in recent years, the reservoir water surface has been lower than the bottom of spillway gates, which provides an advantageous opportunity to perform the rehabilitation work for the Choke Canyon Dam because the low water surface level will minimize reservoir water exposure on the spillway gates and more easily allow for dewatering and repairs to the upstream stop log slots.

This project provides Spillway Gate Rehabilitation to include recoating seven (7) spillway gates, placing new water-tight seals, structural and miscellaneous modifications, and resurfacing stop log slots.

On May 13, 2015, the City received proposals from five (5) bidders and the respective bids are as follows:

CONTRACTOR	BASE BID*	ADDITIVE ALTERNATE NO. 1	TOTAL BASE BID PLUS ADDITIVE ALTERNATE NO. 1
Blastco Texas, Inc. Houston, TX	\$2,651,800	\$4,000	\$2,655,800
Cekra, Inc. Wilmington, NC	\$3,169,800	\$80,000	\$3,249,800
Alltech Engineering Corp Mendota Heights, MN	\$3,440,785	\$29,000	\$3,469,785
Travis Industries, LLC San Antonio, TX	\$3,486,500	\$5,000	\$3,491,500
Southern Road and Bridge, LLC Tarpon Springs, FL	\$4,386,500	\$40,000	\$4,426,500

*The Base Bid amount includes a \$200,000 allowance for all bidders for unanticipated repairs

Freese and Nichols, Inc. (FNI) conducted a bid analysis of the five (5) proposals submitted to the City. After reviewing the Statement of Experience submitted by Blastco Texas, Inc., FNI recommends the City of Corpus Christi award the construction contract to Blastco Texas, Inc. as the lowest responsible bidder with the capability to perform the work.

ALTERNATIVES:

1. Authorize the execution of the construction contract.
2. Do not authorize the execution of the construction contract. (Not Recommended)

OTHER CONSIDERATIONS:

Additive Alternate No. 1 is for structural steel to be cut out and installed per 200 pounds. The design of these improvements is according to the requirements of the United States Bureau of Reclamation.

The coating quality is critical for the success of this project, and a NACE certified inspector is needed for coating works inspection during the construction. The City will award a separate contract for the construction coating inspection service.

CONFORMITY TO CITY POLICY:

Conforms to City Fiscal Policy

EMERGENCY / NON-EMERGENCY:

Non-Emergency

DEPARTMENTAL CLEARANCES:

Utilities Department

FINANCIAL IMPACT:

Operating Revenue Capital Not applicable

Fiscal Year 2014-2015	Project to Date Expenditures	Current Year	Future Years	TOTALS
Line Item Budget		\$4,300,000.00		\$4,300,000.00
Encumbered / Expended Amount		\$381,220.00		\$381,220.00
This Item		\$2,655,800.00		\$2,655,800.00
Future Anticipated Expenditures This Project		\$830,580.00		\$830,580.00
BALANCE		\$432,400.00		\$432,400.00

Fund(s): Choke Canyon Fund

Comments: This project requires approximately 670 calendar days with anticipated completion in May 2017. The construction contract will result in the expenditure of an amount not to exceed \$2,655,800.

RECOMMENDATION:

City Staff recommends approval of the construction contract with Blastco Texas, Inc. of Houston, Texas in the amount of \$2,655,800 for the Choke Canyon Dam Spillway Gate Rehabilitation for the Base Bid plus Additive Alternate No. 1.

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Location Map
Presentation