



Legislation Text

File #: 22-0342, Version: 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Cooperative Procurement 22-134, West-Southwest Waterworks 8.0 MG Ground Storage Reservoir Rehabilitation, to Garland/DBS for an amount not to exceed \$312,861, plus a 5% contingency

DEPARTMENT: Water Utilities

SUBMITTED BY: Darrell Blenniss, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

In 1996, the West-Southwest Waterworks (WSWWW) 8.0-million-gallon (MG) Ground Storage Reservoir was built as part of the WSWWW site that includes a 0.75 MG elevated water storage tank, high lift pumps, and an emergency backup electric power generator, as well as disinfection equipment, instrumentation, supervisory control and data acquisition (SCADA), system controls, and communications equipment. The reservoir was last washed, repaired, and coated in 2017.

In May 2021, Dixon Engineering, an independent third-party engineering firm, conducted an inspection of the reservoir that revealed deterioration of the exterior surface coating consisting of topcoat delamination and coating failures on the sidewall and roof, as well as accumulated grime and mildew.

DISCUSSION:

Based on the 2021 inspection, as well as concern for aesthetics, staff determined the reservoir exterior needed to be cleaned to the bare concrete, repaired, and coated to protect it from weathering. Garland DBS further determined that the existing topcoat is losing adhesion, as the original basecoat is unable to support the existing topcoat or additional coats. Garland DBS recommends vapor blasting to reach bare concrete to establish a solid base for coating adhesion direct to the reservoir surface. Vapor blasting and coating has a life expectancy of 10 years, whereas conventional power washing and recoating may only last five years.

Staff recommends the entire exterior of the WSWWW Reservoir be vapor blasted to bare concrete and coated to protect from weathering and maintain its aesthetics. It is imperative that the integrity of the reservoir be preserved to prevent failure that may allow contamination to reach the drinking water stored inside.

Garland will provide the following services:

1. Vapor blast the entire exterior surface of the WSWWW Reservoir down to concrete.
2. Power wash the entire exterior surface with water and Garland product, Clean Shield.
3. Make caulking repairs around an access cover, a water damming area, and a rust spot on the roof.
4. Paint the entire exterior surface with two coats of Garland DBS product, Tuff Coat.
5. Perform and complete work by December 31, 2022.

Staff identified Garland through an approved cooperative, Omnia Partners Cooperative Contract PW1925 through Garland/DBS Inc. for procurement of the services.

The term of the contract is from the date of award through December 31, 2022.

FISCAL IMPACT:

CIP: WU007

Exterior reservoir restoration for the Water facilities is expensed to the Infrastructure account listed below, as part of the capital improvement program. A total of \$3,090,000 is budgeted for miscellaneous waterworks improvements under WU007 in 2022.

Account Number	Fund Description	Total Budget Amount
41252000-551502	Water Capital Fund	\$27,438,275

Per Council directive, contingency on construction projects is set at 3% on projects over \$500,000 and 5% on projects under \$500,000.