



Legislation Details (With Text)

File #: ID-418-18 **Version:** 1 **Name:**
Type: Informational Report **Status:** Agenda Ready
File created: 12/5/2018 **In control:** City Council
On agenda: 12/11/2018 **Final action:**
Title: Discussion regarding repairs needed for 8.3MG Water Tank
Sponsors:
Indexes:
Code sections:
Attachments:

Date	Ver.	Action By	Action	Result
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Department City Manager's Office

Reference: Discussion regarding repairs needed for 8.3MG water tank.

To: Mayor Kenneth J. Kreutzer and Members of City Council

Through: Philip Rodriguez, City Manager

Prepared By: Michael Woodruff, Director of Infrastructure

Date Prepared: December 5, 2018

PURPOSE

Provide background information regarding the proposed change order for repairs to the 8.3MG water tank.

STRATEGIC FOCUS AREAS

Supportive, Sustainable Infrastructure

BACKGROUND

As part of the Water Tank Maintenance Services Agreement contract entered into with SEH Design/Build, Inc. in September of 2017, work under the contract scope of services for the 8.3MG tank started in November 2018. As a result of the cleaning and inspection of the tank it was discovered that the following repairs are required that are not covered under the existing contract scope of services:

1. Replace Outer Rafters (Quantity 96)
2. Replace Inner Rafters (Quantity 30)
3. Replace Beam Clips (Quantity 126)
4. Replace Shell Clip/Plate (Quantity 96)
5. Install Rafter Purlins (Quantity 147)
6. Install Crow's Nest at Center Support

7. Incidentals required for repairs

- a. Door Sheet
- b. Lift rentals
- c. Equipment
- d. Materials freight
- e. Temporary heat
- f. Inspection blasting
- g. Re-blast and prime
- h. Blasting/coating equipment on-site down time during repairs
- i. Robotic blasting equipment re-mobilization following repairs

Notes:

1. The scope includes replacement of the roof plate at the center vent at a radius of 4 feet. Additional roof areas have been reported to be thin; areas needing roof replacement may be identified as the roof is blasted to remove the existing coatings and corrosion. Roof plate replacement will be proposed in a separate change order with associated costs when it is identified and quantified.

2. The scope includes project management and NACE (coating) inspection costs; a separate change order proposal will be issued for Certified Weld Inspection services.

Additional Costs to be incurred through a Change Order covering the additional repairs outlined above:

- A. Tank Repair (materials & labor): \$491,470.00
- B. Certified Weld Inspection Services: \$12,210.00

Total Costs: \$503,680.00

As noted in SEH Design/Build, Inc. Proposal dated 11/29/18: Additional costs may be incurred if additional roof panel replacement is needed as identified following roof blasting.

FINANCIAL IMPACT

Up to \$1,500,000 was budgeted in the 2019 Budget for repairs to water tanks, due in large part to the recent discoveries of the limited scope outlined within the SEH contract.

STAFF RECOMMENDATION

The repairs must be made in order to safely utilize the 8.3MG tank for water storage. In addition, time is of the essence as the tank needs to be online and ready to accept water no later than May 1, 2019 to meet the usage demands of the community. Under these challenging circumstances, staff recommends that Council approve the \$503,680.00 change order, plus allow for the possible additional roof panel replacement costs expenditure to be met under the \$1,500,000 proposed in the 2019 Budget for repairs to water tanks, if and when that need arises.

ATTACHMENTS

Additional materials are still being prepared, and will be distributed at the Study Session.