



**MEMO TO:** Planning and Public Works Committee of the Whole

**FROM:** Joseph O'Leary, P.E., Senior Project Manager, Construction Division  
Lynn Arakaki, EUSD Engineer

**DATE:** October 8, 2019

**SUBJECT:** SE Redmond Tank Painting & Seismic Upgrade – Approval Gray & Osborne  
Supplement Consultant Agreement

**I. PURPOSE** ☐ For Info Only ☐ Potential Agenda Item ☒ Scheduled for  
Council Action

**II. RECOMMENDATION**  
Approval of Supplement Consultant Agreement with Gray & Osborne for Engineering  
and Construction Management Services in the Amount of \$726,452, for the SE Redmond  
Tank Painting & Seismic Upgrade, Project No. 20021801

**III. DEPARTMENT CONTACTS**

Dave Juarez, Public Works Director	425-556-2733
Gary Schimek, Environmental and Utility Services, Division Manager	425-556-2742
Joseph O'Leary, Senior Project Manager, Construction Division	425-556-2738

**IV. DESCRIPTION/BACKGROUND**

The City owns and operates a four and half million-gallon (4.5 MG) water storage tank in SE Redmond. The tank is located at 18609 NE 65th St., near Fire Station 16 and Genie Industries. The steel tank was constructed in 1996 and is scheduled for exterior and interior paint recoating.

The contract consultant, Gray & Osborne Engineers, has completed their preliminary evaluation of the existing tank coatings and the seismic structural design from 1996. The evaluation report recommends that the tank re-coatings move forward, and the seismic design be updated to higher structural performance level. This project will also make other improvements to the tank, installing new safety railings, storm gutters, support piping and telemetry system updates.

The water tank will need to be taken off line and drained during construction to re-coat the interior surfaces and to upgrade the seismic system. The temporary shutdown will occur outside of the summer peak period. The shutdown will have no impact to water service because of the built-in redundancy of the City water system. Education Hill and

Perrigo water tanks are capable to provide continuous water supply while the SE Redmond Tank is under construction.

**A. Process to Date**

The first design stage, project evaluation and preliminary engineering is completed. City Construction Division staff met with Gray & Osborne project team to negotiate cost for final design and construction management services. The remaining time to design and complete the construction of the SE Redmond Tank will likely take place over a 12-18-month period. The amount negotiated is now approximated at \$726,452. A recent cost estimate budget update was completed indicating the project is still within the original budget approved by Council.

**Service Delivery or Fiscal Impacts**

- When the SE Redmond Tank Painting and Seismic Upgrade project is complete, the application of new paint coatings will extend the life cycle to approximately 20 years. The steel tank seismic upgrade will have an increased structural strength in withstanding damage from a future earthquake and will meet seismic code.
- Council approved \$5,887,698 for this project under the 2019-2020 biannual budget. The project continues to be within budget.

**V. TIME CONSTRAINTS**

The Council may reject the proposed consultant agreement for the painting and seismic upgrade for SE Redmond Tank. Delaying the painting protective coating and seismic upgrade could reduce the operational performance of the water tank.

**VI. LIST OF ATTACHMENTS**

Attachment A:	SE Redmond Tank-Vicinity Map
Attachment B:	City of Redmond / Gray & Osborne Agreement Exhibit A Scope of Work
Attachment C:	City of Redmond / Gray & Osborne Agreement Exhibits D-E Costs