

Project title: Authorize a Request for Qualifications for Reservoir 3 Replacement**Council Bill #** *interoffice use***Agenda dates requested:**

7/27/2022

Briefing

Proposed action

Consent

Action

Ordinance

Public hearing

Yes No **Budget amendment:**Yes No **PowerPoint presentation:**Yes No **Attachments:**

N/A

Department(s) involved:

Public Works

Contact person:

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Initialed by:

Department head

Administration

Council President

Project: Reservoir 3 Replacement**Partner/Supplier:** TBD**Location:** 6107 Berkshire Dr, east of Evergreen Way**Preceding action:** Ordinance 3815-21 approved 8/1/2021**Fund:** 336 Water and Sewer System Improvements**Fiscal summary statement:**

The funding source for the design phase of Reservoir 3 Replacement project will be Fund 401 – Water and Sewer Utility Fund. The existing ordinance 3815-21 allocated \$1,100,000 in design funds for repairs to the concrete cover of the reservoir. Detailed inspection and analysis concluded that the proposed repair to the concrete cover would not be cost effective and would not address seismic risk. After the Public Works Department evaluates RFQ submittals and establishes a reservoir 3 replacement design scope of work, we will return with an amending ordinance.

Project summary statement:

Reservoir 3 is a key terminal reservoir which was constructed in 1923. A cover was added to the reservoir in 1987. The 100-Year-old reservoir has exceeded its expected life. The 2020 Comprehensive Water Plan called for a structural assessment on Reservoir 3 to determine its resiliency to seismic events and current structural codes. The study found that the structure is susceptible to structural failure of the reservoir during a significant seismic event. The analysis indicated that structural improvements to the reservoir cover, which was also considered, would not address the overall seismic deficiency of the reservoir. Based on this structural analysis and inspection, the criticality of the reservoir, and the age of the reservoir (100 years), it is recommended that the reservoir be replaced with new reservoir(s) designed to current standards, located at the current reservoir site or in its vicinity.

Recommendation (exact action requested of Council):

Authorize a Request for Qualifications for consultant selection for the Reservoir 3 Replacement project.