

MEMORANDUM

DATE: May 28, 2020

TO: Tom Crawford
Interim City Administrator

FROM: Craig Hupy
Public Services Area Administrator

RE: Emergency authorization to grant additional spending approval for the Barton Dam Hoist #5 Base Repair and Superior Inspection Hatch project
(Revised based on field conditions)

As provided in City Code 1:316, the Public Services Area is seeking an emergency authorization from the City Administrator to grant approval of an additional \$ 8,952 and a 10% contingency (\$895) of spending authority to replace damaged anchor bolts at the Barton Dam Hoist #5 machine base. A recent approval request was granted but additional funding is needed based on field findings. Emergency authorization is requested because it is important that this work proceed expeditiously. With high river flows, it is important that all gates are functional to ensure sufficient reliability.

Previous approved funding and proposed additional amounts are as follows:

	Previously Authorized	Revised Amount Requested	Proposed Increase
Gerace Construction	\$24,996	\$34,843	\$9,847

Funding for this work will come from the FY20 Water Supply System Operations and Maintenance budget and the FY20 General Fund.

Background

Flow from the Huron River over the Barton Dam is managed by ten gates (controlled by 5 hoists) and the hydro-turbine. As per FERC Part 12D requirements, Barton Dam must be inspected by an Independent Consultant every 5 years. Resulting from this, FERC required the grout under one of the bases of Hoist #5 to be repair. The City prepared an RFP for repairing the hoist base and the work was awarded to Gerace Construction in March 2020 as part of the *Barton Dam Hoist #5 Base Repair and Superior Dam Inspection Hatch* project.

Gerace recently mobilized to the site and demolished grout under the Hoist #5 base. Following removal of the old grout, it was found that the two anchor bolts on the upstream

side of the hoist base were severed due to excessive corrosion. The anchor bolts secure the hoist for proper anchorage and are necessary for proper functioning of the hoist. At this time, the hoist is out of service and cannot be returned to service until the anchor bolts are replaced and new grout installed. The failure of the existing anchor bolts was not anticipated because they were embedded in the grout. Only upon demolition of the existing grout was this condition discovered.

cc: Brian Steglitz, Water Treatment Services Unit Manager

A handwritten signature in cursive script that reads "Tom Crawford". The signature is written in black ink and is positioned above a horizontal line.

Approval
Tom Crawford
Interim City Administrator