



# MEMORANDUM

EUGENE WATER & ELECTRIC BOARD

*Rely on us.*

TO: Commissioners Brown, Mital, Helgeson, Manning and Simpson  
FROM: Mel Damewood, Engineering Manager  
DATE: July 29, 2014  
SUBJECT: Leaburg Dam Roll Gate Bulkhead Installation and Removal  
Project Update

OBJECTIVE: Authorize the General Manager to approve a change order that may exceed 25% of the originally approved contract amount.

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## Issue

EWEB has an existing contract with Wildish Construction Company to construct a bulkhead at Leaburg Dam's Roll Gate #2. During the initial installation of the bulkhead, the design and fabrication of the bulkhead panels was found to be difficult to install and presented integrity issues. After the consulting engineer's re-work of the design of the bulkhead panels, piles and installation techniques needed to ensure a safe installation, EWEB is now negotiating a change order with Wildish Construction which will likely exceed 25% of the original contract price. Due to time constraints, EWEB staff is asking the Board to authorize the General Manager to approve the change order when it is negotiated, in order to keep critical timelines for the project.

## Background

As part of the work to replace the failed hydraulic motor for Roll Gate 2, EWEB awarded a contract to install a bulkhead upstream of the gate. The bulkhead will permit gate testing without causing excessive lake level or downstream river flow fluctuations. To eliminate potential work space conflicts at the dam, the contract timing was such that the bulkhead installation would be completed before the hoist replacement contractor arrived on site to perform their work.

In early March 2014, an EWEB inspector reported concerns over the apparent integrity of the partially installed bulkhead. Subsequent investigation revealed that the consultant's design was not easily or safely constructible and modifications were necessary to achieve a level of safety/constructability that EWEB and contractor had greater confidence in. The consultant, the bulkhead contractor, and EWEB Engineering have been working to correct the deficiency.

The consultant submitted a revised design on June 25, 2014. The contractor prepared and submitted a cost estimate to implement the design changes on July 23, 2014. While EWEB is still negotiating with the bulkhead contractor, the cost of the change order may exceed 25 percent of the original contract amount.

A primary objective of the roll gate repair work is to make Gate 2 operational prior to the onset of the upcoming wet weather season. Achieving this objective has been made more difficult by the bulkhead design issue. To minimize delays, Staff requests Board authorize the General Manager to approve a change order that may exceed 25% of the original contract. The original contract was approved at \$399,000; a change order could increase the contract amount up to 40%.

### **Recommendation and Action**

Authorize the General Manager to approve a change order to exceed 25% of contract amount for Wildish Construction Company for the Leaburg Roll Gate #2 Bulkhead Construction. As part of accountability to the Board, staff will present the Board with the change order amount and budget impacts at the Sept. 9<sup>th</sup> Board Meeting through correspondence.

If there are any questions please contact Mel Damewood @ 541-685-7145 or [mel.damewood@eweb.org](mailto:mel.damewood@eweb.org)