

# Multnomah County Willamette River Bridges Capital Improvement Plan



## Project Summary Information: Installation of Remote Operation and Monitoring Equipment

Bridge Names(s):	Hawthorne	Project ID#:	BUN-HA-04	Project Status:	In Progress		
Project Rank:	47	Primary Category of Work	Electrical and Lighting	Performance Attribute Total Score	8	Importance Score	TI-4 13.58
Logical Grouping Project ID #'s:	HA-ELEC-03						
Bridge Num and Names(s):	02757 Willamette River, Hawthorne Ave [Hawthorne]						

### Definition of Problem

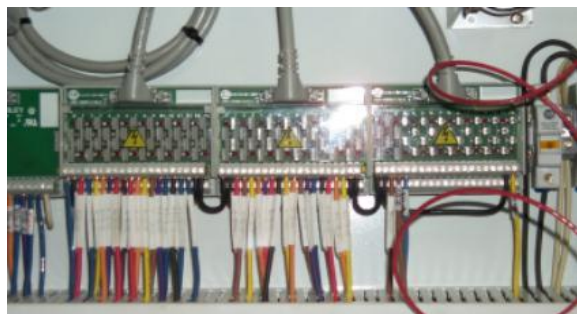
The equipment that allows for monitoring the bridge electrical system operations is not properly mounted and protected from the weather. The County would also like to operate the bridge from a single, remote location in order to allow for quicker response times for marine traffic navigation.

### Description of Proposed Solution

The existing electrical equipment will be re-mounted and protected in to reduce maintenance needs and to prevent damage from in climate weather. Additional electrical equipment will be installed to allow for remote operation of the bridge.

### Project Justification

Properly mounting the equipment will allow for easier troubleshooting and reduce long-term maintenance. Remote operation will reduce the number of required bridge operators, thereby reducing the operational costs and expediting response time for each bridge opening.



Right-of-Way:	\$0
Utility Reimbursement:	\$0
Construction:	\$1,375,716
Preliminary Engineering:	\$343,929
Construction Engineering:	\$343,929
<b>Total Cost at Target Construction Time:</b>	<b>\$2,063,574</b>
<b>Target Construction Time:</b>	<b>2030-2034</b>

Notes:

None entered.