

# Multnomah County Willamette River Bridges Capital Improvement Plan



## Project Summary Information: Bridge Painting & Structural Rehabilitation - West Approach

Bridge Names(s):	Morrison	Project ID#:	BUN-MO-09	Project Status:	In Progress		
Project Rank:	5	Primary Category of Work	Paint	Performance Attribute Total Score	30	Importance Score	TI-1 25.63
Logical Grouping Project ID #'s:	MO-PAINT-01 and MO-STRUCT-14						
Bridge Num and Names(s):	02758B W Morrison Br Conn over Hwy 1W (Front Ave) & Park [Morrison] ; 02758 Willamette River, Morrison St (Morrison) [Morrison]						

### Definition of Problem

The Morrison Bridge West Approach spans were identified as having a deteriorating paint system, concrete spalls with exposed rebar, and section loss in the top flange of steel cantilever beams supporting the stairs. The Multnomah County Willamette River Bridges Capital Improvement Plan Consultant Team identified the paint deterioration based on a visual inspection of the structure, an assessment of previous inspection reports, and an understanding of past paint projects. From the assessment, it was determined that the original lead-based paint is still in place.

### Description of Proposed Solution

The proposed solution for the defined problem is to pressure wash, spot blast, and apply a 3-coat paint system to any deteriorated paint locations. The 3-coat paint system includes a prime, intermediate epoxy, and urethane top coat of paint. The paint removal process includes a containment system. The project will also replace the steel beams at the top of stairs, patch the concrete spalls, and perform a new load rating using the Load and Resistance Factor Rating (LRFR) method.

### Project Justification

The benefit of completing the proposed solution is to avoid steel corrosion of the approximately 100-year old bridge by extending the life of the protective coating system at a lower cost than a full replacement. Additionally, the removal of the lead-based paint system would reduce the health exposure risk to maintenance staff and eliminate a potential source for environmental contamination.



Right-of-Way:	\$66,433
Utility Reimbursement:	\$0
Construction:	\$11,592,370
Preliminary Engineering:	\$2,750,585
Construction Engineering:	\$2,750,585
<b>Total Cost at Target Construction Time:</b>	<b>\$17,159,972</b>
<b>Target Construction Time:</b>	<b>2015-2019</b>

Notes:

None entered.