

Multnomah County Willamette River Bridges Capital Improvement Plan



Project Summary Information: Bridge Painting and Upgraded Lighting

Bridge Names(s):	Hawthorne	Project ID#:	BUN-HA-13	Project Status:	In Progress		
Project Rank:	36	Primary Category of Work	Paint	Performance Attribute Total Score	14	Importance Score	TI-3 21.59
Logical Grouping Project ID #'s:	HA-PAINT-01, and HA-STRUCT-04						
Bridge Num and Names(s):	02757 Willamette River, Hawthorne Ave [Hawthorne] ; 02757 Willamette River, Hawthorne Ave [Hawthorne]						

Definition of Problem

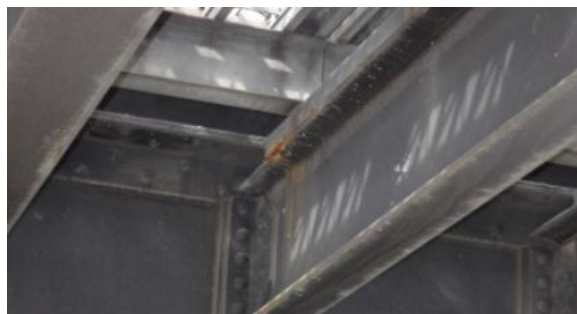
The Hawthorne Bridge River spans were identified as having a deteriorating paint system. The Multnomah County Willamette River Bridges Capital Improvement Plan Consultant Team identified the deterioration based on a visual inspection of the structure, an assessment of previous inspection reports, and an understanding of past paint projects. From the assessment, it was determined that the lead-based paint has been removed. From the Bridge Inspection Report, it was found that the coating is, on average, 85% in Condition State 1 (Good), 10% in Condition State 2 (Fair), and 5% in Condition State 3 (Poor). The existing condition exhibits active surface rust on stringers and floorbeams and pack rust at gusset plates. The warning gates, barrier gates, bridge railing, and lighting all are exhibiting signs of paint deterioration and need maintenance.

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 wiring and light standards will be replaced to address the aging components.

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.



Right-of-Way:	\$0
Utility Reimbursement:	\$0
Construction:	\$30,414,235
Preliminary Engineering:	\$6,457,175
Construction Engineering:	\$6,457,175
Total Cost at Target Construction Time:	\$43,328,584
Target Construction Time:	2025-2029

Notes:

This project includes improvements for bicycle or pedestrian users.