

Multnomah County Willamette River Bridges Capital Improvement Plan



Project Summary Information: Bridge Painting - Maintenance of 2002 Paint Project

Bridge Names(s):	Broadway	Project ID#:	BUN-BR-12	Project Status:	In Progress		
Project Rank:	39	Primary Category of Work	Paint	Performance Attribute Total Score	24	Importance Score	TI-4 45.06
Logical Grouping Project ID #'s:	BR-PAINT-02						
Bridge Num and Names(s):	06757 Willamette River, Broadway St [Broadway] ; 06757 Willamette River, Broadway St [Broadway]						

Definition of Problem

The Broadway 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 literature review, it was determined that both the floor system of Spans 2, 3, 7, and the main truss elements of Spans 4, 5, 6, were repainted in 2002. From the Bridge Inspection Reports, it was found that these elements are, on average, 90-95% in Condition State 1 (Good) and 5-10% in Condition State 3 (Poor).

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.

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:	\$48,392,043
Preliminary Engineering:	\$9,119,942
Construction Engineering:	\$9,119,942
Total Cost at Target Construction Time:	\$66,631,927
Target Construction Time:	2030-2034

Notes:

None entered.