

Multnomah County Willamette River Bridges Capital Improvement Plan



Project Summary Information: Movable Span Deck Replacement

Bridge Names(s):	Broadway	Project ID#:	BUN-BR-16	Project Status:	In Progress		
Project Rank:	35	Primary Category of Work	Driving Surface	Performance Attribute Total Score	23	Importance Score	TI-3 22.73
Logical Grouping Project ID #'s:	BR-STRUCT-19						
Bridge Num and Names(s):	06757 Willamette River, Broadway St [Broadway] ; 06757 Willamette River, Broadway St [Broadway]						

Definition of Problem

The existing deck is composed of a fiber reinforced polymer concrete overlay which is anticipated to reach the end of it's service life within the 20-year duration of the Multnomah County Willamette River Bridges Capital Improvement Plan. The existing deck fiber-reinforced, polymer-concrete overlay of the Main River Spans has cracks forming along its deck panel joints. This project proceeds BUN-BR-12, which was an interim deck rehabilitation project.

Description of Proposed Solution

The proposed solution would include the removal of the existing deck system and replace it in-kind with another fiber-reinforced, polymer-concrete overlay deck system. Rewiring and replacement of the current light standards is also recommended to address aging components of the on-bridge illumination systems.

Project Justification

The benefits of completing the deck replacement are to extend the useful service life for the bridge, reduce ongoing maintenance activities for the existing deck system. The illumination system repairs would provide increased safety for bridge users, allow for the installation of modern lighting components, and deter vandalism and crime.



Right-of-Way:	\$0
Utility Reimbursement:	\$0
Construction:	\$6,823,773
Preliminary Engineering:	\$1,662,279
Construction Engineering:	\$1,662,279
Total Cost at Target Construction Time:	\$10,148,330
Target Construction Time:	2025-2029

Notes:

This project includes improvements for bicycle or pedestrian users.