

Multnomah County Willamette River Bridges Capital Improvement Plan



Project Summary Information: Roadway, Sign Bridge, Bridge Deck and Illumination Improvements - Approaches							
Bridge Names(s):	Hawthorne			Project ID#:	BUN-HA-07	Project Status:	In Progress
Project Rank:	32	Primary Category of Work	Structural	Performance Attribute Total Score	25	Importance Score	TI-3 38.96
Logical Grouping Project ID #'s:	HA-ACCESS-02, HA-ROAD-01, 02, HA-STRUCT-01, 02, 03, 11, and 15						
Bridge Num and Names(s):	02757D Willamette River, SW Hawthorne Blvd (Hawthorne Br) [Hawthorne] ; 02757B SE Madison St Ramp over Hwy 1E SB (SE MLK Blvd) [Hawthorne] ; 02757A Hawthorne Blvd Ramp to Hwy 1E SB [Hawthorne]; 02757F SE Hawthorne Blvd over SE Water Ave (Hawthorne) [Hawthorne]						

Definition of Problem

Pavement on the bridge approaches is deteriorated and approaching the end of its useful life. Drainage systems are composed of aging elements and are in need of repair. The Hawthorne Bridge sign bridges, sign structures and limited portions of the concrete bridge elements are in need of repair. As an outcome of the project public outreach efforts, the need for improved connectivity for bicycle users from Naito Parkway to the West Approach of the bridge was identified.

Description of Proposed Solution

The proposed solution for the approach roadway pavement and drainage systems is to reconstruct the roadway pavement sections and update the drainage system while access to the system is available. New durable striping will be placed on the newly constructed pavement section, minor concrete repairs will be completed, and bridge deck joints will be repaired or replaced according to their level of deterioration. As part of the project, a bridge deck rehabilitation consisting of a concrete overlay and a new bridge lighting system will be constructed. The sign bridges and sign structures will also be replaced, and patching of damaged concrete bridge elements will be included.

Project Justification

The benefit of completing the proposed solutions includes minimizing service disruptions and associated costs of delay to the motoring public, and reducing maintenance costs for ongoing pavement and concrete bridge elements, which will extend the service life of these components. Replacing the sign structures will prevent these structures from becoming a hazard to the traveling public. 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:	\$169,766
Utility Reimbursement:	\$0
Construction:	\$17,485,547
Preliminary Engineering:	\$4,012,198
Construction Engineering:	\$4,012,198
Total Cost at Target Construction Time:	\$25,679,708
Target Construction Time:	2025-2029

Notes:

This project includes improvements identified during the 2014 public engagement process. This project includes improvements for bicycle or pedestrian users.