

Multnomah County Willamette River Bridges Capital Improvement Plan



Project Summary Information: Roadway Approaches, Bridge Deck Overlay, and Illumination Improvements							
Bridge Names(s):	Morrison	Project ID#:	BUN-MO-07	Project Status:	In Progress		
Project Rank:	11	Primary Category of Work	Driving Surface	Performance Attribute Total Score	29	Importance Score	TI-2 33.33
Logical Grouping Project ID #'s:	MO-ROAD-01, MO-ROAD-02, MO-STRUCT-02, MO-STRUCT-03, MO-STRUCT 04 and MO-STRUCT-12						
Bridge Num and Names(s):	02758B W Morrison Br Conn over Hwy 1W (Front Ave) & Park [Morrison] ; 02758 Willamette River, Morrison St (Morrison) [Morrison] ; 02758 Willamette River, Morrison St (Morrison) [Morrison]; 08589Y SE Yamhill St Ramp over Hwy 1 & Conn (Morrison Int) [Morrison]						

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. Portions of the Morrison Bridge West Approach deck are exhibiting signs of damage or deterioration such as wheel rutting and exposed aggregate. Portions of the Morrison Bridge East Approach deck and deck joints are exhibiting signs of damage including an isolated portion of the East Approach's Bridge No. 08589 (Morrison St.) that has significant damage.

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 would be placed on the newly constructed pavement section. Bridge deck damage will be repaired and small portions replaced as required. The bridge deck joints will be replaced and the on-bridge illumination systems will be improved. Additionally, portions of damaged sidewalk would be rehabilitated with a concrete overlay.

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 rehabilitation, deck and joint restoration, and sidewalk components. These improvements would arrest the degradation of the driving surface, extend the service life of the remaining deck components, improve traction for roadway users and reduce the total expenditure for deck maintenance over time such that they would warrant a full deck or sidewalk replacement. 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:	\$361,430
Utility Reimbursement:	\$0
Construction:	\$8,534,292
Preliminary Engineering:	\$2,059,598
Construction Engineering:	\$2,059,598
Total Cost at Target Construction Time:	\$13,014,918
Target Construction Time:	2020-2024

Notes:

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