

Multnomah County Willamette River Bridges Capital Improvement Plan



Project Summary Information: Joint Rehabilitation and Replacement - West and East Approaches

Bridge Names(s):	Hawthorne		Project ID#:	BUN-HA-12	Project Status:	In Progress	
Project Rank:	21	Primary Category of Work	Structural	Performance Attribute Total Score	12	Importance Score	TI-2 17.23
Logical Grouping Project ID #'s:	HA-STRUCT-18 and HA-STRUCT-20						
Bridge Num and Names(s):	02757D Willamette River, SW Hawthorne Blvd (Hawthorne Br) [Hawthorne] ; 02757F SE Hawthorne Blvd over SE Water Ave (Hawthorne) [Hawthorne] ; 02757B SE Madison St Ramp over Hwy 1E SB (SE MLK Blvd) [Hawthorne]; 02757A Hawthorne Blvd Ramp to Hwy 1E SB [Hawthorne]						

Definition of Problem

The Multnomah County Willamette River Bridges Capital Improvement Plan Consultant Team identified several of the joint systems on the bridge deck have reached the end of their service life. At several locations within the West and East Approaches, debris has accumulated in the joints. Water was observed to be flowing freely through the failed joints, and surrounding concrete has begun to deteriorate and spall.

Description of Proposed Solution

Bridge deck joints will be repaired or replaced according to their level of deterioration at the time of project development. This includes a repair of spalled and damaged concrete surrounding the joints.

Project Justification

The benefit of completing the proposed solutions includes a reduction in maintenance costs for ongoing joint rehabilitation, and restoring the bridge deck joints to a serviceable condition. This results in extending the service life of the deck system and underling bridge components.



Right-of-Way:	\$19,116	Notes: None entered.
Utility Reimbursement:	\$0	
Construction:	\$1,272,787	
Preliminary Engineering:	\$318,197	
Construction Engineering:	\$318,197	
Total Cost at Target Construction Time:	\$1,928,296	
Target Construction Time:	2020-2024	