

Multnomah County Willamette River Bridges Capital Improvement Plan



Project Summary Information: Bent Cap Rehabilitation - Approach Spans							
Bridge Names(s):	Hawthorne			Project ID#:	BUN-HA-08	Project Status:	In Progress
Project Rank:	14	Primary Category of Work	Structural	Performance Attribute Total Score	18	Importance Score	TI-2 25.94
Logical Grouping Project ID #'s:	HA-STRUCT-05						
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

Portions of the Hawthorne Bridge West and East Approaches are exhibiting signs of deterioration. Multiple bent caps show signs of concrete spalling and splitting cracks. Based on the observed condition and review of available existing documentation, it is anticipated that pier cap strengthening will be required for some of the bent caps for these bridge approaches.

Description of Proposed Solution

Concrete spalls will be repaired and patched, and bent cap strengthening solutions will be applied for all bent caps where it is determined through analysis that load carrying capacity less than required for current design vehicle loading.

Project Justification

The benefit of completing the proposed solution is to extend the service life of the bent caps and improve public safety for all users.



Right-of-Way:	\$66,688	Notes: None entered.
Utility Reimbursement:	\$0	
Construction:	\$2,500,573	
Preliminary Engineering:	\$623,483	
Construction Engineering:	\$623,483	
Total Cost at Target Construction Time:	\$3,814,227	
Target Construction Time:	2020-2024	