

Multnomah County Willamette River Bridges Capital Improvement Plan



Project Summary Information: Bent Cap Rehabilitation - Approach Spans							
Bridge Names(s):	Morrison	Project ID#:	BUN-MO-10	Project Status:	In Progress		
Project Rank:	8	Primary Category of Work	Structural	Performance Attribute Total Score	13	Importance Score	TI-1 9.66
Logical Grouping Project ID #'s:	MO-STRUCT-05						
Bridge Num and Names(s):	02758B W Morrison Br Conn over Hwy 1W (Front Ave) & Park [Morrison] ; 08589Y SE Yamhill St Ramp over Hwy 1 & Conn (Morrison Int) [Morrison] ; 08589 Willamette R & Hwy 1, SE Morrison St (Morrison Int) [Morrison]; 02758A SE Belmont St over Hwy 1 & Conns (Morrison Intchg) [Morrison]						

Definition of Problem

Portions of the Morrison Bridge West and East Approach bent caps are exhibiting signs of deterioration. Multiple bent caps show signs of concrete spalling with exposed reinforcing steel. 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:	\$83,624	Notes: None entered.
Utility Reimbursement:	\$0	
Construction:	\$2,264,902	
Preliminary Engineering:	\$565,430	
Construction Engineering:	\$565,430	
Total Cost at Target Construction Time:	\$3,479,386	
Target Construction Time:	2015-2019	