

Multnomah County Willamette River Bridges Capital Improvement Plan



Project Summary Information: Structural Rehabilitation of Steel and Concrete Pier Members - River Spans							
Bridge Names(s):	Morrison	Project ID#:	BUN-MO-11	Project Status:	In Progress		
Project Rank:	31	Primary Category of Work	Structural	Performance Attribute Total Score	29	Importance Score	TI-3 51.62
Logical Grouping Project ID #'s:	MO-STRUCT-15						
Bridge Num and Names(s):	02758 Willamette River, Morrison St (Morrison) [Morrison] ; 02758 Willamette River, Morrison St (Morrison) [Morrison]						

Definition of Problem

The Multnomah County Willamette River Bridges Capital Improvement Plan Consultant Team observed vertical cracks in the Pier 3 wall below the truss bearing location, and cracks in steel truss members connections. The team also identified additional section loss and pack rust of multiple truss bottom chord members in Span 2 through a review of existing available records. Relatively large spalls were observed in the deck overhang soffit along the west side of the Fixed River spans.

Description of Proposed Solution

The proposed solutions includes a repair and strengthening of the Pier 3 bearing area, a rehabilitation and strengthening of the Span 2 truss bottom chord members, and a repair of cracked steel welded connections. An updated load rating analysis will be performed to identify other potential improvements to these members.

Project Justification

The benefit of completing the proposed solution is to improve the structural condition of the damaged bridge elements, which would improve public safety and extend the service life of the bridge.



Right-of-Way:	\$101,171	Notes: None entered.
Utility Reimbursement:	\$0	
Construction:	\$9,460,006	
Preliminary Engineering:	\$2,271,386	
Construction Engineering:	\$2,271,386	
Total Cost at Target Construction Time:	\$14,103,949	
Target Construction Time:	2025-2029	