Multnomah County Willamette River Bridges
Capital Improvement Plan

Project Summary Information: Span Lock and Support Rehabilitation							
Bridge Names(s):	Morrison			Project ID#:	BUN-MO-02	Project Status:	In Progress
Project Rank:	15	Primary Category of Work	Mechanical	Performance Attribute Total Score	18	Importance Score	TI-2 24.45
Logical Grouping Project ID #'s:	MO-MECH-03						
Bridge Num and Names(s):	02758 Willamette River, Morrison St (Morrison) [Morrison]						

Definition of Problem

The span locks, which link the two halves of the movable bridge portions together, have a gap between the lock's jaw and receiver assemblies. This condition means that the two halves are not properly transferring loads when closed. This results in movable span supports that do not bear evenly on their supports, allowing the bridge to oscillate under traffic when closed.

Description of Proposed Solution

The proposed solution for the movable span supports is to install additional structural members to provide even bearing when the bascule spans are closed. The span locks and associated machinery will be rehabilitated to ensure the two leaves are linked together tightly.

Project Justification

The benefits of the work is a reduction in the undesirable impact loading caused by the lack of contact at the movable span supports and span lock jaws. This will reduce the wear on the structure and other machinery systems.

Right-of-Way:	$0
Utility Reimbusement:	$0
Construction:	$885,620
Preliminary Engineering:	$221,405
Construction Engineering:	$221,405
Total Cost at Target Construction Time:	$1,328,430
Target Construction Time:	2020-2024

Notes:

None entered.