Multnomah County Willamette River Bridges Capital Improvement Plan



| Bridge Names(s): | Broad | lway, Burnside, Hawthorne and Morrison | | Project ID#: | BUN-MU-0 | 2 Project Status: | In Progress | | |
|----------------------------------|---------|--|--------------|----------------------|------------------|----------------------------------|-------------|--|--|
| Project Rank: 26 | 5 | Primary Category of Work Structural | Performan | ce Attribute Total S | core 18 | ore 18 Importance Score TI-2 14. | | | |
| Logical Grouping Project ID #'s: | | BR-STRUCT-05, BU-STRUCT-07, HA-STRUCT-07 and MO-STRUCT-21 | | | | | | | |
| Bridge Num and Nam | nes(s): | 06757 Willamette River, Broadway St [Broadway] ; 06757 Willamette River, Broadway St [Broadway] ; 00511 Willamette River, Burnside St (Burnside) [Burnside]; 00511 Willamette River, Burnside St (Burnside) [Burnside] | | | | | | | |
| Definition of Problem | | | | | | | | | |
| These vulnerabilities were | determ | ne Broadway, Burnside, Hawthorne and Morrison Bridge Main F ined from an underwater hydrologic survey conducted in 2014 tment. In addition, evidence of limited undermining and concr | . These defi | ciencies generally o | consist of incon | nplete or insufficient | protection | | |

Description of Proposed Solution

The proposed solution to the defined problem includes the placement of additional rock armor for the Broadway, Burnside and Morrison Bridges at select in-water piers. Monitoring of the existing rock armor and the installation of additional rock armoring of the east riverbank of the Hawthorne Bridge is also included in the project. The observed concrete degradation at the Burnside Bridge will be repaired as part of this project.

Project Justification

The benefit of completing the installation of additional scour protection measures is to reduce the risk of scour undermining of the in-water pier foundations and riverbank sections. The benefit of completing the concrete degradation repairs for the Burnside Bridge would be to restore the full cross-section of the in-water pier substructure and prevent further deterioration.

| MODELED RIVER | Right-of-Way: | \$0 | Notes: |
|----------------|---|--------------|---------------|
| BOTTOM SURFACE | Utility Reimbusement: | \$0 | None entered. |
| Pier 1 | Construction: | \$15,224,572 | |
| | Preliminary Engineering: | \$3,539,061 | |
| | Construction Engineering: | \$3,539,061 | |
| State State | Total Cost at Target Construction Time: | \$22,302,695 | |
| Pier 2 | Target Construction Time: | 2020-2024 | |