

Multnomah County Willamette River Bridges Capital Improvement Plan



| Project Summary Information: Routine Maintenance and Bridge Painting | | | | | | | |
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| Bridge Names(s): | Sauvie Island | | | Project ID#: | BUN-SI-01 | Project Status: | In Progress |
| Project Rank: | 54 | Primary Category of Work | Paint | Performance Attribute Total Score | 9 | Importance Score | TI-4 5.87 |
| Logical Grouping Project ID #'s: | SI-ELEC-02 and SI-PAINT-01 | | | | | | |
| Bridge Num and Names(s): | 20136 Multnomah Channel, PNWR, Sauvie Island Rd. [Sauvie Island] ; 20136 Multnomah Channel, PNWR, Sauvie Island Rd. [Sauvie Island] ; 20136 Multnomah Channel, PNWR, Sauvie Island Rd. [Sauvie Island] | | | | | | |

Definition of Problem

The Sauvie Island Bridge requires maintenance painting of interior and exterior portions of the structural steel. The Sauvie Island Bridge has structural portions of the bridge which allow access for maintenance and inspection work. These work areas have service area lighting and limited ventilation from the access hatches. The area requires good ventilation and adequate lighting for maintenance workers. The maintenance of the existing lighting system will need to be performed to maintain the adequate lighting.

Description of Proposed Solution

The proposed solution is to perform maintenance painting as needed. Work will also be performed to maintain the existing lighting system inside the structure over the planned 20 year period. It is expected that the relatively new lighting system will only need minor maintenance work in the form of replacing select fixtures on an infrequent basis. A new ventilation system consisting of electrically powered fans will also be installed on the structure and run off the local utility service to provide ventilation in the interior of the structure.

Project Justification

The benefit of completing the proposed solution is extended life of the paint at a much lower cost than a full re-painting the bridge. The paint prevents rust, which can lead to structural failure of the bridge. Proper work conditions in the Sauvie Island Bridge structure will allow workers to enter the area and perform work in a safe and expedient manner. Proper work in this area will help to maintain the structure and extend the serviceable life of the bridge.



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| Right-of-Way: | \$0 |
| Utility Reimbursement: | \$0 |
| Construction: | \$373,827 |
| Preliminary Engineering: | \$93,457 |
| Construction Engineering: | \$93,457 |
| Total Cost at Target Construction Time: | \$560,741 |
| Target Construction Time: | 2030-2034 |

Notes:

None entered.