Washington State Department of Transportation

I-5/Ship Canal Bridge - Noise Mitigation Study

Project Information

PIN: 800524Z
As of Date: November 2017
Region: SR 520 Bridge Repl
Regional Admin: J. Meredith
State Route: I-5
Current Status: Completed
Legislative Districts: 43

Project Description

Complete analysis and testing of feasible locations for noise mitigation on Ship Canal Bridge. Completes design of selected first phase.

Gray Notebook Text

0911Q6 GNB 40 (December 31, 2010) - Completed Projects This project deployed noise mitigation features on the I-5 Ship Canal Bridge, testing and analyzing the designs for possible application in other locations. Project benefits: This project helped WSDOT learn more about strategies for mitigating noise from bridge structures, where traditional noise walls cannot be used. The project installed 700 panels of special noise-absorbent material on the double-decker structure. Project highlights and challenges: The testing began in October 2010 and will continue to monitor the results for years. Budget performance: This project cost $5.87 million at completion, $1.13 million below the last approved budget and $0.87 million above the FY 2005 original budget. Rising prices for materials and additional engineering work increased the cost of the project. The low bid of $1.56 million was below the engineer's estimate of $2.66 million. Schedule performance: The project was completed in October 2010, on time with the last approved schedule. Because of a delay in finalizing a design concept, the initial project ad date of April 2009 was delayed.

Project Milestones

Milestone	Original Date	Current Date	Status
Project Definition Complete	Q4 2007	Q4 2007	On Schedule
Preliminary Engineering Start	Q3 2005	Q3 2005	On Schedule
Environmental Complete	Q1 2009	Q1 2009	On Schedule
Right of Way Complete	Q4 2009	Q4 2009	On Schedule
Contract Advertisement	Q4 2009	Q4 2009	On Schedule
Operationally Complete	Q4 2010	Q4 2010	On Schedule

Project Cost Summary ($ in Thousands)

Project Status	Leg. Initial Budget	Current Leg. Budget	Current Approved Cost
Preliminary Engineering	$0	$2,796	$2,816
Right of Way	$0	$0	$0
Construction	$5,000	$3,070	$2,719
Total	$5,000	$5,866	$5,535

Project Funding Summary - Current Approved Cost ($ in Thousands)

Project Phase	Nickel	TPA	Pre-Existing Funds	CWA	Other	Total
Prelim Engineering	$0	$2,816	$0	$0		$2,816
Right of Way	$0	$0	$0	$0		$0
Construction	$0	$2,719	$0	$0		$2,719
Total	$0	$5,535	$0	$0		$5,535

Project Web Site: