

Bridge Renovation -- No. 509753

Category
Agency
Planning Area
Relocation Impact

Transportation
Public Works & Transportation
Countywide
None.

Date Last Modified
Required Adequate Public Facility

January 6, 2006
NO

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY05	Est. FY06	Total 6 Years	FY07	FY08	FY09	FY10	FY11	FY12	Beyond 6 Years
Planning, Design and Supervision	407	0	47	360	80	80	50	50	50	50	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	1	0	1	0	0	0	0	0	0	0	0
Construction	2,849	0	529	2,320	420	420	370	370	370	370	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	3,257	0	577	2,680	500	500	420	420	420	420	*

FUNDING SCHEDULE (\$000)

G.O. Bonds	1,457	0	139	1,318	273	273	193	193	193	193	0
Federal Aid	0	0	0	0	0	0	0	0	0	0	0
State Aid	1,800	0	438	1,362	227	227	227	227	227	227	0

ANNUAL OPERATING BUDGET IMPACT (\$000)

DESCRIPTION

This project provides for the renovation of County bridges that have been identified as needing repair work beyond routine maintenance levels to assure continued safe functioning. Renovation work involves planning, preliminary engineering, project management, inspection, and construction. Construction is performed on various components of the bridge structures. Superstructure replacement items include decking, support beams, bearing assemblies, and expansion joints. Substructure replacement items include concrete abutments, backwalls, and wingwalls. Culvert repairs include concrete headwalls, structural steel plate pipe arch replacements, installation of concrete inverts, and placement of stream scour protection. Other renovation work includes paving of bridge deck surfaces, bolted connection replacements, stone slope protection, reconstruction of approach roadways, concrete crack injection, deck joint material replacement, scour protection, and installation of traffic safety barriers. The community outreach program informs the public when road closures or major lane shifts are necessary. Projects are reviewed and scheduled to reduce as many community impacts as possible, especially to school bus routes.

Service Area

Countywide

Capacity

The highway vehicle capacities will remain the same.

Plans and Studies

The Biennial Bridge Inspection Program, a Federally-mandated program, provides specific information to identify deficient bridge elements.

Cost Change

Increase due to the addition of FY11-12 to this ongoing project, and increased level of effort due to higher cost of materials.

STATUS

Ongoing.

OTHER

The objective of this program is to identify bridges requiring extensive structural repairs and perform the work in a timely manner to avoid emergency situations and major public inconvenience due to roadway closures. Based on the 2005 Bridge Inspection Cycle, there is a backlog of approximately 69 bridges in the County needing renovation to remain effective and safe roadway components. The work under this project is implemented in coordination with the Division of Operations. *Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY97	(\$000)
Initial Cost Estimate		2,100
First Cost Estimate		
Current Scope	FY07	3,257
Last FY's Cost Estimate		2,877
Present Cost Estimate		3,257
Appropriation Request	FY07	500
Appropriation Request Est.	FY08	500
Supplemental		
Appropriation Request	FY06	0
Transfer		0
Cumulative Appropriation		577
Expenditures/		
Encumbrances		283
Unencumbered Balance		294
Partial Closeout Thru	FY04	3,754
New Partial Closeout	FY05	620
Total Partial Closeout		4,374

COORDINATION

Department of Public Works and Transportation
Division of Operations
Maryland State Highway Administration
Maryland Department of Natural Resources
Maryland Historic Trust
U.S. Fish and Wildlife Service
The Executive asserts that this project conforms to the requirements of relevant local plans as required by the Maryland Economic Growth, Resource Protection and Planning Act.

MAP

