Bridge Preservation Program -- No. 500313

Category	**Transportation**	Date Last Modified	**January 6, 2006**
Agency	**Public Works & Transportation**	Required Adequate Public Facility	**NO**
Planning Area	**Countywide**		
Relocation Impact	**None.**		

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	1,861	301	748	812	122	122	142	142	142	142	0
Land	15	1	2	12	2	2	2	2	2	2	0
Site Improvements and Utilities	2	2	0	0	0	0	0	0	0	0	0
Construction	3,930	1,176	714	2,040	300	300	360	360	360	360	0
Other	1	1	0	0	0	0	0	0	0	0	0
Total	5,809	1,481	1,464	2,864	424	424	504	504	504	504	*

FUNDING SCHEDULE ($000)

G.O. Bonds	5,329	1,115	1,350	2,864	424	424	504	504	504	504	0
Federal Aid	440	366	74	0	0	0	0	0	0	0	0
Intergovernmental	40	0	40	0	0	0	0	0	0	0	0

ANNUAL OPERATING BUDGET IMPACT ($000)

DESCRIPTION

This project provides for removal of corrosion and installation of protective coatings (paint) on existing County steel bridges that have been identified as needing surface recoating through the Biennial Bridge Inspection Program. Bridge preservation field operations include the removal of the existing coating system which may contain hazardous materials; containment of blast cleaning and waste paint particles; disposal of the hazardous materials at a pre-approved disposal site, as required by Maryland and Federal environmental regulations; installation of protective coating systems; and inspection to ensure compliance with environmental and contract requirements.

Service Area

Countywide

JUSTIFICATION

The benefits of this program will include extending the useful service life of existing steel bridges, prevention of long-term structural deficiencies, decreases in vehicle load restrictions, and reduced potential road closures and public inconvenience. The long-term goal of this program will be to protect existing bridges and keep them in good condition to reduce bridge renovation/replacement costs. The expected life cycle of a coating system is 15 years. Candidate bridges for each year are identified based on the bridge coating evaluations under the Biennial Bridge Inspection Program and the available funds under the bridge preservation program.

Specific Data

The County currently has 113 steel girder and beam structures in its inventory of long-span and short-span bridges. The degree of specialized work required to restore the protective coatings to in-service bridges is beyond the scope of routine operations. Proper protective coating systems are an essential component of bridge maintenance to prevent long-term structural steel deterioration. Many defects identified through the Biennial Bridge Inspection Program are the direct result of bridges not being properly protected to withstand chemical and environmental elements. These defects include frozen and deteriorated steel bearings, corroded structural steel, and steel beam section loss.

Cost Change

Increase due to the addition of FY11-12 to this ongoing project.

STATUS

Ongoing.

OTHER

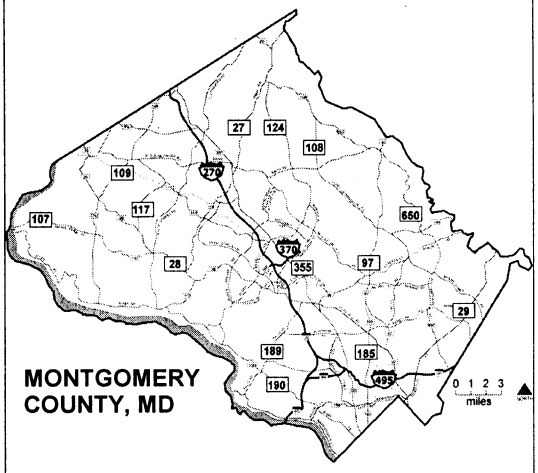
Twenty-eight bridges have been implemented under FY03 and FY04 contracts. Thirteen bridges were implemented in FY05, and eight bridges will be implemented in FY06. Bridge painting is no longer eligible for Federal Aid. As a result, the projected Federal Aid was adjusted to reflect remaining estimated incoming Federal Aid. The "Intergovernmental" revenue shown in the funding schedule is from Howard County for its share of painting costs for bridges that Montgomery County and Howard County share.

*Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY03	($000)
Initial Cost Estimate		4,967
First Cost Estimate Current Scope	FY07	5,809
Last FY's Cost Estimate		5,387
Present Cost Estimate		5,809
Appropriation Request	FY07	0
Appropriation Request Est.	FY08	422
Supplemental Appropriation Request	FY06	0
Transfer		0
Cumulative Appropriation		3,371
Expenditures/ Encumbrances		2,460
Unencumbered Balance		911
Partial Closeout Thru	FY04	0
New Partial Closeout	FY05	0
Total Partial Closeout		0

COORDINATION

Maryland Department of Natural Resources
Maryland State Highway Administration
Occupational Safety and Health Adminintration
Maryland-National Capital Park and Planning Commission
Utilities
CSX Transportation
Washington Metropolitan Area Transit Authority
Montgomery County Department of Permitting Services
Bridge Renovation Program

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