Bridge Preservation Program -- No. 500313

Category	Transportation	Date Last Modified	January 09, 2008
Subcategory	Bridges	Required Adequate Public Facility	No
Administering Agency	Transportation	Relocation Impact	None.
Planning Area	Countywide	Status	On-going

EXPENDITURE SCHEDULE ($000)

Cost Element	Total	Thru FY07	Est. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	1,871	719	300	852	142	142	142	142	142	142	0
Land	20	6	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	4,848	1,986	702	2,160	360	360	360	360	360	360	0
Other	2	2	0	0	0	0	0	0	0	0	0
Total	**6,743**	**2,715**	**1,004**	**3,024**	**504**	**504**	**504**	**504**	**504**	**504**	*

FUNDING SCHEDULE ($000)

Federal Aid	366	366	0	0	0	0	0	0	0	0	0
G.O. Bonds	6,337	2,349	964	3,024	504	504	504	504	504	504	0
Intergovernmental	40	0	40	0	0	0	0	0	0	0	0
Total	**6,743**	**2,715**	**1,004**	**3,024**	**504**	**504**	**504**	**504**	**504**	**504**	**0**

DESCRIPTION

This project provides for removal of corrosion and installation of protective coatings 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.

COST CHANGE

Increase due to the addition of FY13 and FY14 to this ongoing project.

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.

The County currently has 115 Highway and 19 Pedestrian steel girder and beam structures in its bridge inventory. These numbers will change when steel highway or pedestrian bridges are added into or dropped from the County's bridge inventory. 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.

OTHER

Fifty - one bridges have been repainted since the first contract in FY03. Bridge painting is no longer eligible for Federal Aid; therefore, Federal Aid has been adjusted. The "Intergovernmental" revenue shown in the funding schedule is from Howard County for its share of painting costs for two bridges that Montgomery County and Howard County share.

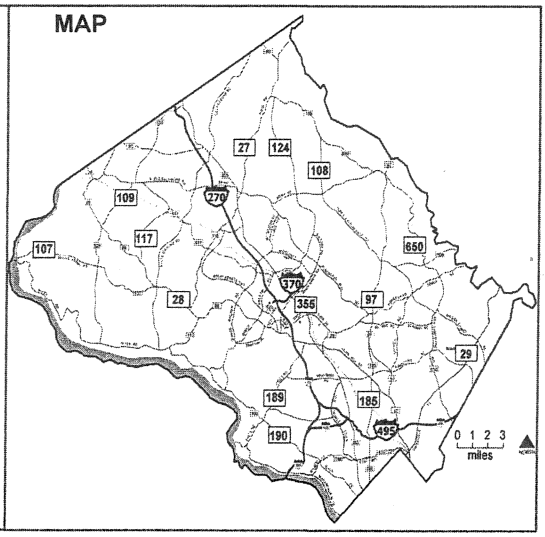
OTHER DISCLOSURES

- * Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY03	($000)
First Cost Estimate Current Scope	FY09	6,743
Last FY's Cost Estimate		5,809
Appropriation Request	FY09	504
Appropriation Request Est.	FY10	504
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,793
Expenditures / Encumbrances		3,070
Unencumbered Balance		723
Partial Closeout Thru	FY06	0
New Partial Closeout	FY07	0
Total Partial Closeout		0

COORDINATION

Maryland Department of Natural Resources
Maryland State Highway Administration
Occupational Safety and Health Administration
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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