Guardrail Projects -- No. 508113

Category	**Transportation**	Date Last Modified	**January 9, 2004**
Agency	**Public Works & Transportation**	Previous PDF Page Number	**11-117 (03 App)**
Planning Area	**Countywide**	Required Adequate Public Facility	**NO**
Relocation Impact	**None**		

EXPENDITURE SCHEDULE ($000)

Cost Element	Total	Thru FY03	Est. FY04	Total 6 Years	FY05	FY06	FY07	FY08	FY09	FY10	Beyond 6 Years
Planning, Design and Supervision	274	0	94	180	30	30	30	30	30	30	0
Land											
Site Improvements and Utilities	1,152	0	2	1,150	325	325	125	125	125	125	0
Construction	24	0	24	0	0	0	0	0	0	0	0
Other											
Total	1,450	0	120	1,330	355	355	155	155	155	155	*

FUNDING SCHEDULE ($000)

G.O. Bonds	1,450	0	120	1,330	355	355	155	155	155	155	0

ANNUAL OPERATING BUDGET IMPACT ($000)

DESCRIPTION

This project provides for the installation of guardrails at various locations along County-maintained roadways. This project provides for the repair/replacement of guardrail that is damaged and/or presents a hazard to motorists, cyclists, or pedestrians.

Service Area

Countywide.

JUSTIFICATION

Guardrails reduce the severity of run-off-the-road accidents and prevent collisions with fixed objects or embankments. Formal guidelines for determining needs have been developed to determine the potential benefit.

Plans and Studies

The existing tapered and buried guardrail end treatments provide a ramp for errant vehicles and do not meet current Maryland State Highway Administration (MSHA) standards. A study is underway to identify these substandard end treatments to replace them with modern crash attenuation standards. A review of impacts to pedestrians, bicycles, and ADA requirements (Americans with Disabilties Act of 1991) is performed and addressed by this project. This project is a part of the Executive's Go Montgomery! program.

Specific Data

A FY02 study identified 109 locations requiring guardrails, which is equivalent to approximately 25,668 linear feet. In FY03, 8,283 linear feet were installed. In FY04, FY05, 06, and 07, the remaining 18,000 LF will be installed. Listed below are locations awaiting guardrail installments.

SouthLawn Lane
River Road
Blunt Road
Prathertown Road
Ridge Drive
Seven Locks Road
Mullinix Mill Road
Annapolis Rock Road
Brink Road
Croghan Lane
Ednor Road
Purdum Road
Brooke Road
Comus Road
Hipsley Mill Road
Wildcat Road
Rocky Road
Glen Road
Shiloh Church Road
Tucker Lane
Big Woods Road
West Old Baltimore Road
Sugarland Road
Riffle Ford Road
Bowie Mill Road
Bryan Avenue
Piedmont Road
Redland Road
Game Preserve Road
Goshen Road
Brink Road
Bethesda Church Road
Sundown Road
Riggs Road
Westerly Road
Peach Tree Road
Gue Road
Violettes Lock Road

Cost Change

Increase due to higher than budget per linear foot costs to implement the guardrails identified in the FY02 study, additional funding to initiate end treatment replacement for guardrails to meet latest MSHA standards, and the addition of FY09-10 to this on going project.

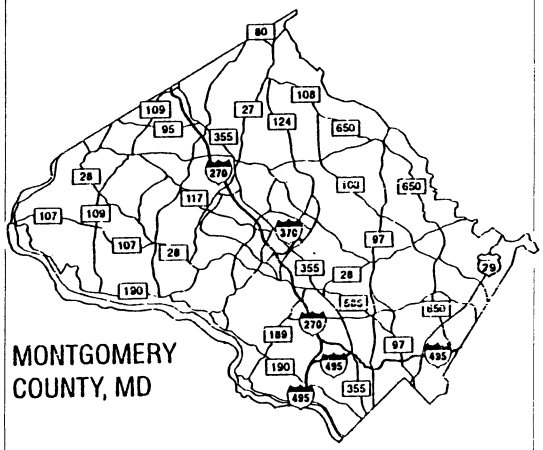
STATUS

Ongoing. * Expenditures for this project will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY81	($000)
Initial Cost Estimate		935
First Cost Estimate		
Current Scope	FY05	1,450
Last FY's Cost Estimate		748
Present Cost Estimate		1,450
Appropriation Request	FY05	355
Appropriation Request Est.	FY06	355
Supplemental Appropriation Request	FY04	0
Transfer		0
Cumulative Appropriation		120
Expenditures/ Encumbrances		43
Unencumbered Balance		77
Partial Closeout Thru	FY02	1,985
New Partial Closeout	FY03	215
Total Partial Closeout		2,200

COORDINATION

Federal Highway Administration
Maryland State Highway Administration
Mongomery County Public Schools

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