Guardrail Projects -- No. 508113

Category	**Transportation**	Date Last Modified	**January 5, 2005**
Agency	**Public Works & Transportation**	Previous PDF Page Number	**11-122 (05 App)**
Planning Area	**Countywide**	Required Adequate Public Facility	**NO**
Relocation Impact	**None**		

EXPENDITURE SCHEDULE ($000)

Cost Element	Total	Thru FY04	Remain. FY04	Total 6 Years	FY05	FY06	FY07	FY08	FY09	FY10	Beyond 6 Years
Planning, Design and Supervision	199	0	19	180	30	30	30	30	30	30	0
Land											
Site Improvements and Utilities	1,330	0	5	1,325	325	500	125	125	125	125	0
Construction	24	0	24	0	0	0	0	0	0	0	0
Other											
Total	1,553	0	48	1,505	355	530	155	155	155	155	*

FUNDING SCHEDULE ($000)

G.O. Bonds	1,553	0	48	1,505	355	530	155	155	155	155	0

ANNUAL OPERATING BUDGET IMPACT ($000)

DESCRIPTION
This project provides for the installation, repair, replacement and/or upgrade of guardrails along County roadways to mitigate safety hazards to motorists, cyclists, and pedestrians. This project supports MSHA standards and the Federal mandated upgrading of crash attenuation systems for guardrail end treatments.

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 that require guardrail installation equivalent to approximately 25,668 linear feet. In FY03, 8,283 LF feet were installed. In FY04, FY05, 06, and 07, the remaining 18,000 LF will be installed. In FY06, guardrail end-treatment replacement will be initiate to meet MSHA standards. Below are locations awaiting guardrail installments.

South Lawn 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

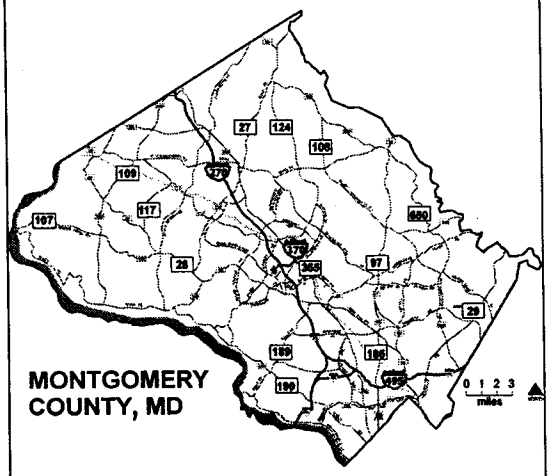
Piedmont Road
Redland Road
Game Preserve Road
Goshen Road
Brink Road
Bethesda Church Road
Sundown Road
Riggs Road
Westerly Road
Peach Tree Road
Gue Road
Violettes Lock Road

Cost Change
Increase due to additional funding provided to complete installation of new guardrails as identified in the FY02 study, accelerate initiation of guardrail end-treatment replacement which was scheduled to start in FY07, and initiate replacement of significantly damaged guardrail.

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	FY06	1,553
Last FY's Cost Estimate		1,450
Present Cost Estimate		1,553
Appropriation Request	FY06	530
Supplemental Appropriation Request	FY05	0
Transfer		0
Cumulative Appropriation		403
Expenditures/ Encumbrances		29
Unencumbered Balance		374
Partial Closeout Thru	FY03	2,200
New Partial Closeout	FY04	73
Total Partial Closeout		2,273

COORDINATION
Federal Highway Administration
Maryland State Highway Administration
Mongomery County Public Schools

MAP