

## Redland Rd from Crabbs Branch Way - Baederwood La -- No. 500010

Category	Transportation	Date Last Modified	June 23, 2008
Subcategory	Traffic Improvements	Required Adequate Public Facility	No
Administering Agency	Transportation	Relocation Impact	None.
Planning Area	Gaithersburg Vicinity	Status	Final Design Stage

### 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	1,504	1,161	35	308	100	208	0	0	0	0	0
Land	124	42	82	0	0	0	0	0	0	0	0
Site Improvements and Utilities	69	8	0	61	0	61	0	0	0	0	0
Construction	3,757	248	1,760	1,749	974	775	0	0	0	0	0
Other	2	2	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5,456</b>	<b>1,461</b>	<b>1,877</b>	<b>2,118</b>	<b>1,074</b>	<b>1,044</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

Development Approval Payment	474	474	0	0	0	0	0	0	0	0	0
G.O. Bonds	4,807	826	1,877	2,104	1,074	1,030	0	0	0	0	0
Intergovernmental	175	161	0	14	0	14	0	0	0	0	0
<b>Total</b>	<b>5,456</b>	<b>1,461</b>	<b>1,877</b>	<b>2,118</b>	<b>1,074</b>	<b>1,044</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Maintenance				20	0	0	5	5	5	5
Energy				20	0	0	5	5	5	5
<b>Net Impact</b>				<b>40</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>

#### DESCRIPTION

This project provides for reconstruction of a segment of Redland Road including the intersections with Crabbs Branch Way and Needwood Road for congestion mitigation. Anticipated improvements include: widening a portion of Redland Road from Crabbs Branch Way to Baederwood Lane, construction of additional turning lanes, installation of traffic improvement devices, storm drain modifications as needed, and an 8' mixed use bike path/sidewalk (Class I). The bike path will be located within the project limits on the north side of Redland Road and the east side of Needwood Road.

#### CAPACITY

AM level of service (LOS) of the Crabbs Branch Way intersection will be improved from D to C, and PM LOS from F to B. AM LOS of the Needwood Road intersection will be improved from F to C and PM LOS from E to B.

#### COST CHANGE

Increase due to revisions to Redland/Crabbs Branch Way intersection geometry for pedestrian safety and Maryland Department of the Environment regulated work scope changes and higher material costs.

#### JUSTIFICATION

Studies conducted by the Department of Transportation (DOT) Traffic Engineering and Operations Division and comprehensive consultant studies indicate significant congestion in this roadway segment. In addition to the improved level of service, the project will reduce the operational problems at these intersections. The addition of the bike path will provide access to the Shady Grove Metro Station.

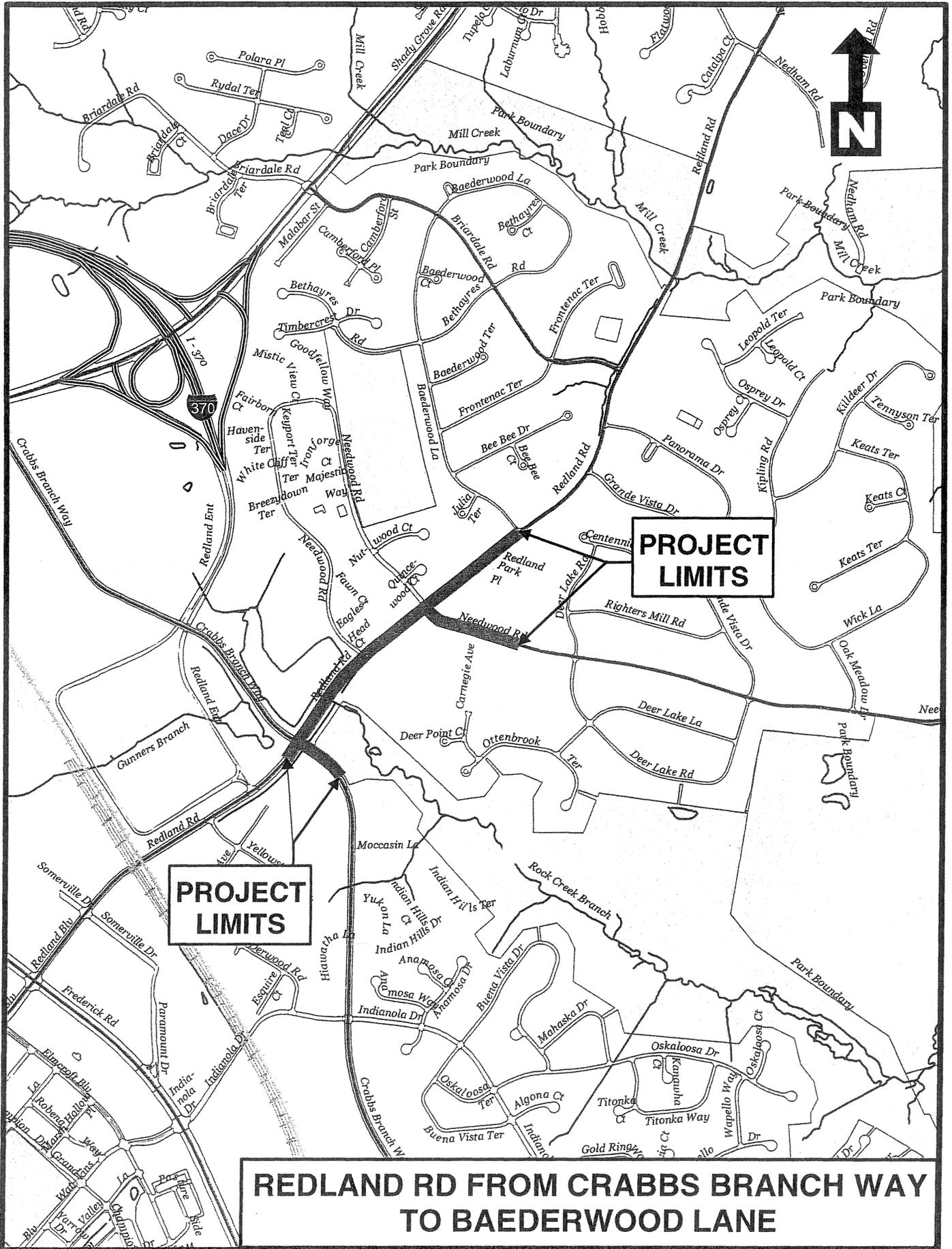
#### FISCAL NOTE

Development Approval Payment collected through FY05 is included in this project. Intergovernmental revenue is comprised of DEP contribution of up to \$150,000 for dam repair, and \$25,000 from Washington Suburban Sanitary Commission for water and sewer adjustments.

#### OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Date First Appropriation</td> <td>FY00</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td></td> <td></td> </tr> <tr> <td>Current Scope</td> <td>FY09</td> <td>5,456</td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>4,965</td> </tr> </table>	Date First Appropriation	FY00	(\$000)	First Cost Estimate			Current Scope	FY09	5,456	Last FY's Cost Estimate		4,965	Intersection and Spot Improvements Project Department of Environmental Protection Department of Permitting Services M-NCPPC Potomac Electric Power Company Verizon Comcast Washington Suburban Sanitary Commission Maryland Department of the Environment	See Map on Next Page
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**REDLAND RD FROM CRABBS BRANCH WAY TO BAEDERWOOD LANE**