

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

Category **Transportation**
 Subcategory **Traffic Improvements**
 Administering Agency **Transportation**
 Planning Area **Gaithersburg Vicinity**

Date Last Modified **January 10, 2010**
 Required Adequate Public Facility **No**
 Relocation Impact **None.**
 Status **Final Design Stage**

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,580	1,408	31	141	87	36	18	0	0	0	0
Land	358	182	73	103	103	0	0	0	0	0	0
Site Improvements and Utilities	250	105	0	145	0	145	0	0	0	0	0
Construction	3,951	3,044	742	165	0	71	94	0	0	0	0
Other	4	4	0	0	0	0	0	0	0	0	0
Total	6,143	4,743	846	554	190	252	112	0	0	0	0

FUNDING SCHEDULE (\$000)

Development Approval Payment	606	474	0	132	0	100	32	0	0	0	0
G.O. Bonds	5,362	4,269	671	422	190	152	80	0	0	0	0
Intergovernmental	175	0	175	0	0	0	0	0	0	0	0
Total	6,143	4,743	846	554	190	252	112	0	0	0	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				25	0	5	5	5	5	5
Energy				25	0	5	5	5	5	5
Net Impact				50	0	10	10	10	10	10

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 northeast side of Redland Road and the south side of Needwood Road. The concrete sidewalk on the north side of Needwood Road will be extended 430 feet to Deer Lake Road. This includes curb, gutter, and storm drainage improvements. Land acquisition is required. A shared use bike path will be added to the south side of Needwood Road from Redland Road to Deer Lake Road. The path will be 1,273 linear feet long, 8 feet wide and constructed with asphalt. Land acquisition is also required for the bike path.

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.

ESTIMATED SCHEDULE

Design of the shared use bike path on the south side of Needwood Road will start in the Summer of 2010. Construction of the bike path is estimated to be completed in the Winter of 2012.

COST CHANGE

Increase due to the addition of a shared use bike path on the south side of Needwood Road. Costs include design, land acquisition, utility relocations, construction, and supervision.

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 the Department of Environmental Protection contribution of up to \$150,000 for dam repair, and \$25,000 from Washington Suburban Sanitary Commission for water and sewer adjustments. Policy Area Mobility Review (PAMR) funds available in FY12 (shown in funding schedule under Development Approval Payment (DAP)).

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 style="text-align: center;">FY00</td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td style="text-align: center;">FY11</td> <td style="text-align: right;">6,143</td> </tr> <tr> <td>Current Scope</td> <td></td> <td style="text-align: right;">5,456</td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td style="text-align: right;">5,456</td> </tr> <tr> <td>Appropriation Request</td> <td style="text-align: center;">FY11</td> <td style="text-align: right;">555</td> </tr> <tr> <td>Appropriation Request Est.</td> <td style="text-align: center;">FY12</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td style="text-align: right;">0</td> </tr> <tr> <td>Transfer</td> <td></td> <td style="text-align: right;">0</td> </tr> <tr> <td>Cumulative Appropriation</td> <td></td> <td style="text-align: right;">5,588</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td style="text-align: right;">5,429</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td style="text-align: right;">159</td> </tr> <tr> <td>Partial Closeout Thru</td> <td style="text-align: center;">FY08</td> <td style="text-align: right;">0</td> </tr> <tr> <td>New Partial Closeout</td> <td style="text-align: center;">FY09</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td style="text-align: right;">0</td> </tr> </table>	Date First Appropriation	FY00	(\$000)	First Cost Estimate	FY11	6,143	Current Scope		5,456	Last FY's Cost Estimate		5,456	Appropriation Request	FY11	555	Appropriation Request Est.	FY12	0	Supplemental Appropriation Request		0	Transfer		0	Cumulative Appropriation		5,588	Expenditures / Encumbrances		5,429	Unencumbered Balance		159	Partial Closeout Thru	FY08	0	New Partial Closeout	FY09	0	Total Partial Closeout		0	<p>COORDINATION</p> <p>Intersection and Spot Improvements Project Department of Environmental Protection Department of Permitting Services Maryland-National Capital Park and Planning Commission Potomac Electric Power Company Verizon Comcast Washington Suburban Sanitary Commission Maryland Department of the Environment</p>	<p>MAP</p> <p style="font-size: 1.2em;">See Map on Next Page</p>
Date First Appropriation	FY00	(\$000)																																										
First Cost Estimate	FY11	6,143																																										
Current Scope		5,456																																										
Last FY's Cost Estimate		5,456																																										
Appropriation Request	FY11	555																																										
Appropriation Request Est.	FY12	0																																										
Supplemental Appropriation Request		0																																										
Transfer		0																																										
Cumulative Appropriation		5,588																																										
Expenditures / Encumbrances		5,429																																										
Unencumbered Balance		159																																										
Partial Closeout Thru	FY08	0																																										
New Partial Closeout	FY09	0																																										
Total Partial Closeout		0																																										

