

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

Category
Subcategory
Administering Agency
Planning Area

Transportation
Traffic Improvements
Transportation
Gaithersburg Vicinity

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 06, 2012
No
None.
Final Design Stage

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	1,590	1,458	33	99	99	0	0	0	0	0	0
Land	358	224	134	0	0	0	0	0	0	0	0
Site Improvements and Utilities	210	195	15	0	0	0	0	0	0	0	0
Construction	3,981	3,359	103	519	519	0	0	0	0	0	0
Other	4	4	0	0	0	0	0	0	0	0	0
Total	6,143	5,240	285	618	618	0	0	0	0	0	0

FUNDING SCHEDULE (\$000)

Development Approval Payment	606	474	100	32	32	0	0	0	0	0	0
G.O. Bonds	5,362	4,766	10	586	586	0	0	0	0	0	0
Intergovernmental	175	0	175	0	0	0	0	0	0	0	0
Total	6,143	5,240	285	618	618	0	0	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 eight foot wide 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 1,350 linear feet long, eight feet wide and constructed with asphalt. Land acquisition is also required for the bike path.

CAPACITY

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

ESTIMATED SCHEDULE

Design of the shared use bike path on the south side of Needwood Road will be completed in the spring of 2012. Construction of the bike path is estimated to be completed in the spring of 2013.

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 the Washington Suburban Sanitary Commission for water and sewer adjustments. Policy Area Mobility Review (PAMR) funds are 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

Date First Appropriation	FY00	(\$000)
First Cost Estimate	FY11	6,143
Current Scope		
Last FY's Cost Estimate		6,143
Appropriation Request	FY13	0
Appropriation Request Est.	FY14	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		6,143
Expenditures / Encumbrances		5,266
Unencumbered Balance		877
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

COORDINATION

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

MAP

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