

Redland Rd from Crabbs Branch Way - Baederwood La (P500010)

Category Transportation
 Sub Category Traffic Improvements
 Administering Agency Transportation (AAGE30)
 Planning Area Gaithersburg Vicinity

Date Last Modified 1/6/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Final Design Stage

	Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,804	1,556	77	171	171	0	0	0	0	0	0
Land	427	282	145	0	0	0	0	0	0	0	0
Site Improvements and Utilities	210	195	0	15	15	0	0	0	0	0	0
Construction	3,698	3,481	0	217	217	0	0	0	0	0	0
Other	4	4	0	0	0	0	0	0	0	0	0
Total	6,143	5,518	222	403	403	0	0	0	0	0	0

FUNDING SCHEDULE (\$000s)

Development Approval Payment	606	474	54	78	78	0	0	0	0	0	0
G.O. Bonds	5,369	5,044	0	325	325	0	0	0	0	0	0
Intergovernmental	168	0	168	0	0	0	0	0	0	0	0
Total	6,143	5,518	222	403	403	0	0	0	0	0	0

OPERATING BUDGET IMPACT (\$000s)

Energy				20	5	5	5	5	0	0
Maintenance				20	5	5	5	5	0	0
Net Impact				40	10	10	10	10	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	0
Appropriation Request Est.	FY 16	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		6,143
Expenditure / Encumbrances		5,521
Unencumbered Balance		622

Date First Appropriation		
First Cost Estimate		
Current Scope	FY 11	6,143
Last FY's Cost Estimate		6,143

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 feet 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 was completed in the fall of 2013. Construction of the bike path is estimated to be completed in the spring of 2015. Delay in project schedule by one year due to issues with existing utilities and traffic signal.

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)).

Disclosures

A pedestrian impact analysis has been completed for this project.

Coordination

Redland Rd from Crabbs Branch Way - Baederwood La (P500010)

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