

# Resurfacing: Residential/Rural Roads (P500511)

Category  
Sub Category  
Administering Agency  
Planning Area

Transportation  
Highway Maintenance  
Transportation (AAGE30)  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

11/17/14  
No  
None  
Ongoing

Total	Thru FY14	Rem 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	9,957	74	1,407	8,476	3,000	1,500	938	938	975	1,125	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	105,662	56,722	916	48,024	17,000	8,500	5,312	5,312	5,525	6,375	0
Other	45	45	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>115,664</b>	<b>56,841</b>	<b>2,323</b>	<b>56,500</b>	<b>20,000</b>	<b>10,000</b>	<b>6,250</b>	<b>6,250</b>	<b>6,500</b>	<b>7,500</b>	<b>0</b>

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	309	309	0	0	0	0	0	0	0	0	0
G.O. Bonds	113,738	54,915	2,323	56,500	20,000	10,000	6,250	6,250	6,500	7,500	0
PAYGO	1,617	1,617	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>115,664</b>	<b>56,841</b>	<b>2,323</b>	<b>56,500</b>	<b>20,000</b>	<b>10,000</b>	<b>6,250</b>	<b>6,250</b>	<b>6,500</b>	<b>7,500</b>	<b>0</b>

## APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	10,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		79,164
Expenditure / Encumbrances		57,147
Unencumbered Balance		22,017

Date First Appropriation	FY 05
First Cost Estimate	
Current Scope	FY 16
Last FY's Cost Estimate	115,664
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	0

## Description

This project provides for the permanent patching and resurfacing of rural and residential roadways using durable hot mix asphalt to restore long-term structural integrity to the aging rural and residential roadway infrastructure. The County maintains a combined total of 4,210 lane miles of rural and residential roads. Preventative maintenance includes full-depth patching of distressed areas of pavement in combination with a new hot mix asphalt wearing surface of 1-inch to 2-inches depending on the levels of observed distress. A portion of this work will be performed by the county in-house paving crew.

## Justification

In FY09, the Department of Transportation instituted a contemporary pavement management system. This system provides for systematic physical condition surveys. The surveys note the type, level, and extent of residential pavement deterioration combined with average daily traffic and other usage characteristics. This information is used to calculate specific pavement ratings, types of repair strategies needed, and associated repair cost, as well as the overall Pavement Condition Index (PCI) of the entire residential network. The system also provides for budget optimization and a systematic approach to maintaining a healthy residential pavement inventory. The latest 2013 survey indicated that the current cost of the countywide backlog on road repairs is \$211.1 million. This represents 58 percent of total residential infrastructure pavement repair needs. Physical condition inspections of residential pavements will occur on a 2-3 year cycle.

## Other

The design and planning stages, as well as project construction, will comply with the Department of Transportation (DOT), Maryland State Highway Administration (MSHA), Manual on Uniform Traffic Control Devices (MUTCD), American Association of State Highway and Transportation Officials (AASHTO), and American with Disabilities Act (ADA). Rural/residential road mileage has been adjusted to conform with the State inventory of road mileage maintained by the State Highway Administration (SHA). This inventory is updated annually.

## Fiscal Note

\$36 million is the annual cost required to maintain the current Countywide Pavement Condition Index of 68 on residential and rural roads. Related CIP projects include Permanent Patching: Residential/Rural Roads (#501106) and Residential and Rural Road Rehabilitation (#500914). In FY15, Council approved a \$1 million GO Bond supplemental.

## Disclosures

Expenditures will continue indefinitely.

## Coordination

Washington Suburban Sanitary Commission, Washington Gas Light Company, PEPCO, Cable TV, Verizon , United States Post Office