

Resurfacing: Rural/Residential Roads -- No. 500511

Category
Subcategory
Administering Agency
Planning Area

Transportation
Highway Maintenance
Transportation
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

March 19, 2009
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY08	Rem. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	7,518	15	409	7,094	993	1,064	1,206	1,277	1,277	1,277	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	35,273	7,196	113	27,964	5,065	4,438	4,294	4,723	4,723	4,723	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	42,791	7,211	522	35,058	6,058	5,500	5,500	6,000	6,000	6,000	*

FUNDING SCHEDULE (\$000)

Current Revenue: General	333	309	24	0	0	0	0	0	0	0	0
G.O. Bonds	40,841	5,285	498	35,058	6,058	5,500	5,500	6,000	6,000	6,000	0
PAYGO	1,617	1,617	0	0	0	0	0	0	0	0	0
Total	42,791	7,211	522	35,058	6,058	5,500	5,500	6,000	6,000	6,000	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 3885 lane miles of rural and residential roads. The department estimates that 2006 lane miles (52-percent) of rural / residential pavement requires significant levels of preventive maintenance to safeguard the infrastructure from incremental failure requiring more costly rehabilitative / reconstruction efforts. 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. Rural and residential roads that have been rates as "fair condition" (level 3) are ideal candidates for preventive maintenance.

CAPACITY

This project will not affect the capacity of the rural and residential road network. However, additional lane miles of rural and residential road will be added to the existing inventory as new roads are accepted by Executive Order.

COST CHANGE

FY09 supplemental to add funding required to maintain planned lane output which had been reduced due to cost escalation in the price of liquid asphalt.

JUSTIFICATION

The Department of Transportation (DOT) has undertaken a sample study of rural and residential road pavement conditions utilizing a pavement condition rating system based upon types of observed distress (i.e., areas of pavement fatigue, base and sub-base failures, cracking, spalling, patches, and profile) and extent of observed distress (i.e., percentage of surface area exhibiting various forms of distress). Based upon levels of observed pavement distress, pavements are rated very good (level 5), good (level 4), fair (level 3), poor (level 2), and very poor (level 1). The study included a cross section of approximately 6 percent of the residential road inventory (248 lane miles). The study, which is deemed representative of the residential road inventory as a whole, will be expanded to include the entire rural / residential road inventory of 3,885 lane miles. The expanded study, to be conducted by a consultant, is expected to be completed by August 2008.

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 and Highway 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. Expenditures will continue indefinitely.

OTHER DISCLOSURES

- * Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP												
<table border="1"> <tr> <td>Date First Appropriation</td> <td>FY05</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td></td> <td></td> </tr> <tr> <td>Current Scope</td> <td>FY10</td> <td>44,683</td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>41,733</td> </tr> </table>	Date First Appropriation	FY05	(\$000)	First Cost Estimate			Current Scope	FY10	44,683	Last FY's Cost Estimate		41,733	Washington Suburban Sanitary Commission Washington Gas Light Company PEPCO Cable TV Verizon United States Post Office	
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County Council