

# Sidewalk & Curb Replacement (P508182)

Category                    Transportation  
 Sub Category            Highway Maintenance  
 Administering Agency   Transportation (AAGE30)  
 Planning Area            Countywide

Date Last Modified            4/21/14  
 Required Adequate Public Facility    No  
 Relocation Impact            None  
 Status                            Ongoing

|  | Total | Thru<br>FY13 | Est FY14 | Total<br>6 Years | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | Beyond 6<br>Yrs |
|--|-------|--------------|----------|------------------|-------|-------|-------|-------|-------|-------|-----------------|
|--|-------|--------------|----------|------------------|-------|-------|-------|-------|-------|-------|-----------------|

### EXPENDITURE SCHEDULE (\$000s)

|                                  |               |              |              |               |              |              |              |              |              |              |          |
|----------------------------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|
| Planning, Design and Supervision | 8,594         | 1            | 2,563        | 6,030         | 1,005        | 1,005        | 1,005        | 1,005        | 1,005        | 1,005        | 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                     | 47,430        | 8,641        | 4,619        | 34,170        | 5,695        | 5,695        | 5,695        | 5,695        | 5,695        | 5,695        | 0        |
| Other                            | 35            | 1            | 34           | 0             | 0            | 0            | 0            | 0            | 0            | 0            | 0        |
| <b>Total</b>                     | <b>56,059</b> | <b>8,643</b> | <b>7,216</b> | <b>40,200</b> | <b>6,700</b> | <b>6,700</b> | <b>6,700</b> | <b>6,700</b> | <b>6,700</b> | <b>6,700</b> | <b>0</b> |

### FUNDING SCHEDULE (\$000s)

|               |               |              |              |               |              |              |              |              |              |              |          |
|---------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|
| Contributions | 4,259         | 0            | 1,259        | 3,000         | 500          | 500          | 500          | 500          | 500          | 500          | 0        |
| G.O. Bonds    | 51,800        | 8,643        | 5,957        | 37,200        | 6,200        | 6,200        | 6,200        | 6,200        | 6,200        | 6,200        | 0        |
| <b>Total</b>  | <b>56,059</b> | <b>8,643</b> | <b>7,216</b> | <b>40,200</b> | <b>6,700</b> | <b>6,700</b> | <b>6,700</b> | <b>6,700</b> | <b>6,700</b> | <b>6,700</b> | <b>0</b> |

### APPROPRIATION AND EXPENDITURE DATA (000s)

|                                    |       |        |
|------------------------------------|-------|--------|
| Appropriation Request              | FY 15 | 6,700  |
| Appropriation Request Est.         | FY 16 | 6,700  |
| Supplemental Appropriation Request |       | 0      |
| Transfer                           |       | 0      |
| Cumulative Appropriation           |       | 15,859 |
| Expenditure / Encumbrances         |       | 8,770  |
| Unencumbered Balance               |       | 7,089  |

|                          |       |         |
|--------------------------|-------|---------|
| Date First Appropriation | FY 81 |         |
| First Cost Estimate      |       |         |
| Current Scope            | FY 15 | 56,059  |
| Last FY's Cost Estimate  |       | 44,762  |
| Partial Closeout Thru    |       | 100,323 |
| New Partial Closeout     |       | 8,643   |
| Total Partial Closeout   |       | 108,966 |

## Description

This project provides for the removal and replacement of damaged or deteriorated sidewalks, curbs, and gutters in business districts and residential communities. The County currently maintains about 1,034 miles of sidewalks and about 2,098 miles of curbs and gutters. Many years of paving overlays have left some curb faces of two inches or less. Paving is milled, and new construction provides for a standard six-inch curb face. The project includes: overlay of existing sidewalks with asphalt; base failure repair and new construction of curbs; and new sidewalks with handicapped ramps to fill in missing sections. Some funds from this project support the Renew Montgomery and Main Street Montgomery programs. A significant aspect of this project has been and will be to provide safe pedestrian access and to ensure Americans with Disabilities Act (ADA) compliance. Mileage of sidewalks and curb/gutters has been updated to reflect the annual acceptance of new infrastructure to the County's inventory.

## Cost Change

Increase due to increased scope and addition of FY19-20 to this ongoing level of effort project partially offset by the capitalization of prior year expenditures.

## Justification

Curbs, gutters, and sidewalks have a service life of 30 years. Freeze/thaw cycles, de-icing materials, tree roots, and vehicle loads accelerate concrete failure. The County should replace 70 miles of curbs and gutters and 35 miles of sidewalks annually to provide for a 30 year cycle. Deteriorated curbs, gutters, and sidewalks are safety hazards to pedestrians and motorists, increase liability risks, and allow water to infiltrate into the sub-base causing damage to roadway pavements. Settled or heaved concrete can trap water and provide breeding places for mosquitoes. A Countywide inventory of deteriorated concrete was performed in the late 1980's. Portions of the Countywide survey are updated during the winter season. The March 2014 Report of the Infrastructure Maintenance Task Force identified an annual replacement program level of effort based on a 30-year life for curbs and gutters.

## Other

The Department of Transportation (DOT) maintains a list of candidate projects requiring construction of curbs and gutters based on need and available funding. The design and planning stages, as well as final completion of the project will comply with the DOT, Maryland State Highway Administration (MSHA), Manual on Uniform Traffic Control Devices (MUTCD), American Association of State Highway and Transportation Officials (AASHTO), and ADA standards.

## Fiscal Note

Since FY87, the County has offered to replace deteriorated driveway aprons at the property owners' expense up to a total of \$500,000 annually. Payments for this work are displayed as Contributions in the funding schedule.

## Disclosures

Expenditures will continue indefinitely.

## Coordination

Washington Suburban Sanitary Commission, Other Utilities, Montgomery County Public Schools, Homeowners, Montgomery County Pedestrian Safety Advisory Committee, Commission on People with Disabilities