



Sidewalk and Curb Replacement (P508182)

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|---------------|---------------------|----------------------|----------------|
| Category | Transportation | Date Last Modified | 05/18/23 |
| SubCategory | Highway Maintenance | Administering Agency | Transportation |
| Planning Area | Countywide | Status | Ongoing |

EXPENDITURE SCHEDULE (\$000s)

| Cost Elements | Total | Thru FY22 | Rem FY22 | Total 6 Years | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | Beyond 6 Years |
|----------------------------------|---------------|---------------|------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| Planning, Design and Supervision | 5,935 | 4 | 121 | 5,810 | 1,005 | 1,005 | 924 | 917 | 992 | 967 | - |
| Site Improvements and Utilities | 25 | 25 | - | - | - | - | - | - | - | - | - |
| Construction | 79,936 | 48,546 | - | 31,390 | 5,195 | 5,195 | 5,276 | 5,283 | 5,208 | 5,233 | - |
| Other | 55 | 55 | - | - | - | - | - | - | - | - | - |
| TOTAL EXPENDITURES | 85,951 | 48,630 | 121 | 37,200 | 6,200 | 6,200 | 6,200 | 6,200 | 6,200 | 6,200 | - |

FUNDING SCHEDULE (\$000s)

| Funding Source | Total | Thru FY22 | Rem FY22 | Total 6 Years | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 | Beyond 6 Years |
|------------------------------|---------------|---------------|------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| Contributions | 69 | 5,202 | (5,133) | - | - | - | - | - | - | - | - |
| G.O. Bonds | 72,227 | 40,473 | 118 | 31,636 | 5,919 | 6,200 | 917 | 6,200 | 6,200 | 6,200 | - |
| Land Sale | 10,700 | - | 5,136 | 5,564 | 281 | - | 5,283 | - | - | - | - |
| PAYGO | 2,955 | 2,955 | - | - | - | - | - | - | - | - | - |
| TOTAL FUNDING SOURCES | 85,951 | 48,630 | 121 | 37,200 | 6,200 | 6,200 | 6,200 | 6,200 | 6,200 | 6,200 | - |

APPROPRIATION AND EXPENDITURE DATA (\$000s)

| | | | |
|-----------------------------|--------|--------------------------|--------|
| Appropriation FY 24 Request | 5,800 | Year First Appropriation | FY81 |
| Cumulative Appropriation | 55,451 | Last FY's Cost Estimate | 88,951 |
| Expenditure / Encumbrances | 48,747 | | |
| Unencumbered Balance | 6,704 | | |

PROJECT 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 1,668 miles of sidewalks and about 3,336 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. No changes will be made to existing structures unless necessary to eliminate erosion, assure drainage, and improve safety as determined by a County engineer. Some funds from this project support the Renew Montgomery program. 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

Reduction in construction costs reflects anticipated reduction in private residences utilizing apron replacement program.

PROJECT 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 111 miles of curbs and gutters and 56 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 2016 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 owner's expense when working on a project in their neighborhood. The County will continue to offer apron replacement and has appropriated an additional \$100,000 in FY24. Payments received will be appropriated and reflected on the PDF. Funding switch replacing Contributions and a portion of GO Bonds with Land Sale Proceeds in FY23 and FY25.

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.