



Sidewalk and Curb Replacement (P508182)

Category	Transportation	Date Last Modified	03/11/21
SubCategory	Highway Maintenance	Administering Agency	Transportation
Planning Area	Countywide	Status	Ongoing

EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Planning, Design and Supervision	5,374	4	-	5,370	525	675	1,005	1,005	1,005	1,155	-
Site Improvements and Utilities	25	25	-	-	-	-	-	-	-	-	-
Construction	70,597	40,188	-	30,409	2,954	4,325	5,195	5,695	5,695	6,545	-
Other	55	55	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	76,051	40,272	-	35,779	3,479	5,000	6,200	6,700	6,700	7,700	-

FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Contributions	7,205	4,205	-	3,000	500	500	500	500	500	500	-
G.O. Bonds	65,891	33,112	-	32,779	2,979	4,500	5,700	6,200	6,200	7,200	-
PAYGO	2,955	2,955	-	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	76,051	40,272	-	35,779	3,479	5,000	6,200	6,700	6,700	7,700	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 22 Approp. Request	5,000	Year First Appropriation	FY81
Cumulative Appropriation	43,751	Last FY's Cost Estimate	76,051
Expenditure / Encumbrances	40,925		
Unencumbered Balance	2,826		

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.

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 owners' expense up to a total of \$500,000 annually. Payments for this work are displayed as Contributions in the funding schedule. Acceleration from FY23 to FY22.

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.