Outfall Repairs -- No. 509948

Category	**Conservation of Natural Resources**	Date Last Modified	**January 08, 2012**
Subcategory	**Storm Drains**	Required Adequate Public Facility	**No**
Administering Agency	**Transportation**	Relocation Impact	**None.**
Planning Area	**Countywide**	Status	**On-going**

EXPENDITURE SCHEDULE ($000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	2,657	933	248	1,476	234	234	234	234	270	270	0
Land	10	10	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	4,466	3,122	192	1,152	192	192	192	192	192	192	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	**7,133**	**4,065**	**440**	**2,628**	**426**	**426**	**426**	**426**	**462**	**462**	*

FUNDING SCHEDULE ($000)

G.O. Bonds	7,133	4,065	440	2,628	426	426	426	426	462	462	0
Total	**7,133**	**4,065**	**440**	**2,628**	**426**	**426**	**426**	**426**	**462**	**462**	**0**

DESCRIPTION

This project provides for the repair of existing storm drain outfalls into stream valleys. Design of corrective measures is included when in-kind replacement of original outfall structures is not feasible. Candidate outfall repairs are selected from citizen and public agency requests. The Department of Environmental Protection's (DEP) Miscellaneous Stream Valley Improvements project generates and assists in rating the outfalls, which are identified as that project expands into additional watersheds.

COST CHANGE

Increase due to the addition of FY17-18 and overhead costs to this on-going level of effort project.

JUSTIFICATION

Collapsed storm drain pipe sections, undermined endwalls, and eroded outfall channels create hazardous conditions throughout the County. The course of drainage could be altered endangering private property or public roads and speeding the erosion of stream channels. Erosion from damaged outfalls results in heavy sediment load being carried downstream that can severely impact aquatic ecosystems and exacerbate existing downstream channel erosion.

As part of its watershed restoration inventories, DEP identifies storm drain outfalls that are in need of repair in County stream valleys and respective watersheds. As this program expands to include additional watersheds, each outfall is categorized and, where damaged, rated. A functional rating and evaluation process is used to prioritize each outfall.

OTHER

The number of outfall locations being repaired per year varies based on the severity of the erosion and damage, the complexity of the design, and the complexity of the needed restorative construction work.

Completed outfalls in FY10-11: 4500 Tourney Road, Sweetbirch Drive, 7329 Oskaloosa Drive, 10605 Willobrook Drive, 103 Bluff Terrace, Pinehurst at Beech, 6207 Cromwell Drive, Woodman Avenue, Bucknell Drive, Boiling Brook Parkway, Davis Mill Road, 126 Central Avenue, 611 Lamberton Drive, 1012 Parrs Ridge Drive, 11513 Evelake Court, 4305 Harvard Street, 13717 Mills Avenue, 1517 Menlee Drive, 7200 Mill Run Drive, River Hill Road, McCeney at Harper, Hoyle at Burnt Mills, Helmsdale Road, and 9512 Columbia Boulevard.

Scheduled for repairs (FY12 - beyond): Prathertown Road, Circle Drive at Spring Drive, Emory Grove Road.

OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.
- * Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY99	($000)
First Cost Estimate Current Scope	FY13	7,133
Last FY's Cost Estimate		6,209

Appropriation Request	FY13	426
Appropriation Request Est.	FY14	426
Supplemental Appropriation Request		0
Transfer		0

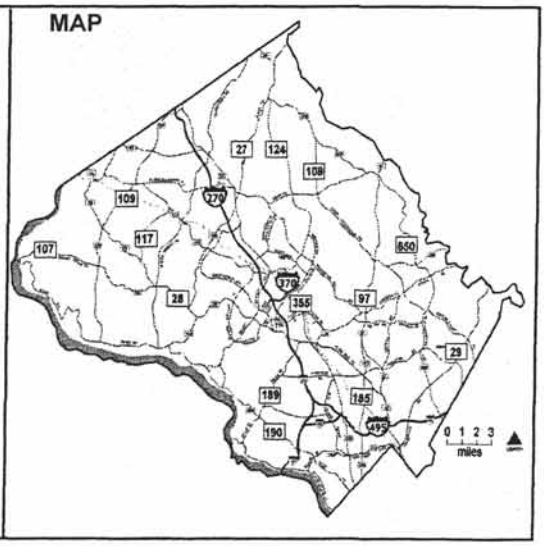
Cumulative Appropriation	4,505
Expenditures / Encumbrances	4,076
Unencumbered Balance	429

Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

COORDINATION

Department of Environmental Protection
Maryland-National Capital Park and Planning Commission
Maryland Department of the Environment
United States Army Corps of Engineers
Montgomery County Department of Permitting Services
Utility Companies
Miscellaneous Stream Valley Improvements

MAP



Recommended