

Flat Branch Flood Control

Lead Agency For This Project

Public Works

Project Description

Flat Branch is a tributary of Bull Run located northwest of the cities of Manassas and Manassas Park. Improvements along the mainstream of Flat Branch are divided into two parts. Part I was completed in 1984 and included an improved channel with a flood control berm. Part II has been designed but not constructed. When complete, they will provide an enlarged stream channel and levee to protect adjacent properties from a 25-year storm event. This project also required the relocation of extensive sewer and water utilities, which were completed in 1998. Part II cannot be built in phases because of potential damage to properties not protected by a levee. This project also includes stream restoration, best management practices and drainage improvements within the Flat Branch watershed.

Service Impact

- **Flat Branch Drainage Area** - The majority of the Flat Branch drainage area is developed residential and commercial. There are approximately 70 residences that will benefit from this project.
- **Flood protection and erosion control** will be provided. Several properties will experience fewer sewer backups as a result of relocated sanitary sewer utilities.

- **State and Federal Mandates** - This project will address state and federal mandates (National Pollutant Discharge Elimination System and the State Stormwater Management Act), provide water quality improvements, reduce non-point source pollution and enhance stream habitat.

Strategic Plan Impact

- | | |
|---|--------------------------------------|
| <input type="radio"/> Economic Development / Transportation | <input type="radio"/> Human Services |
| <input type="radio"/> Education | <input type="radio"/> Public Safety |

Comprehensive Plan Impact

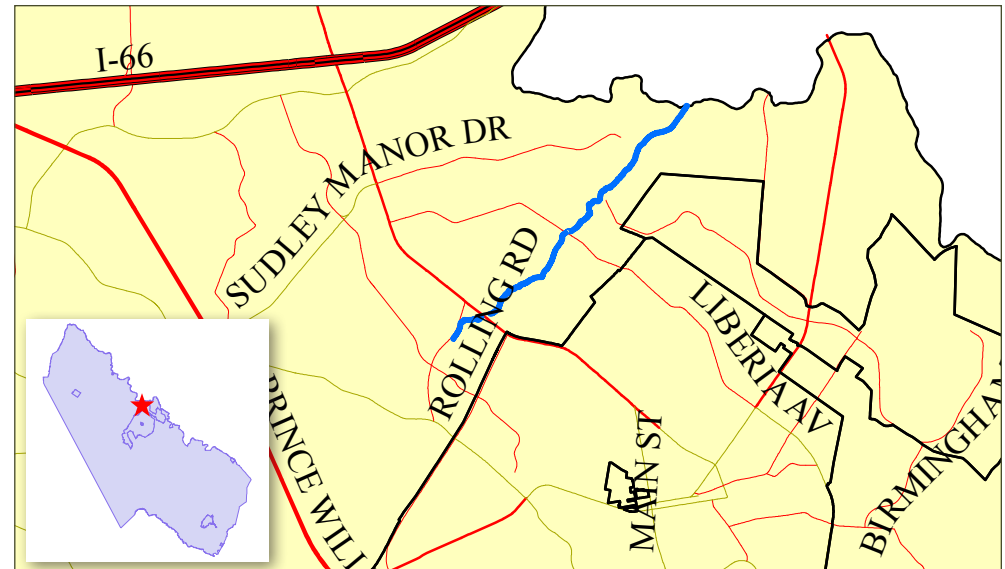
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|--|--|
| <input type="radio"/> Cultural Resources | <input type="radio"/> Police |
| <input type="radio"/> Economic Dev. | <input type="radio"/> Potable Water |
| <input checked="" type="radio"/> Environment | <input type="radio"/> Schools |
| <input type="radio"/> Fire & Rescue | <input type="radio"/> Sewer |
| <input type="radio"/> Land Use | <input type="radio"/> Telecommunications |
| <input type="radio"/> Libraries | <input type="radio"/> Transportation |
| <input type="radio"/> Parks & Open Space | |

Funding Sources

- **Stormwater Management Fees** - This project is funded by stormwater management fees.

Critical Milestones

- **Construction** of Phase II will occur when funding becomes available.
- **Part I** was completed in 1984 at a cost of \$1,259,250.
- **Part II** construction of the enlarged stream channel and levee will occur when funding becomes available. The cost of Part II is estimated in excess of \$6,000,000. The project costs increased from \$3,750,000 to \$6,000,000 due to inflation and the requirement to obtain new wetland permits from the Army Corps of Engineers.



FUNDING SOURCES	Total Project Estimate	Prior Years' Actual	Current Year	CIP							Future Years	
				FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15		
Proffers/General Fund	-	-	-	-	-	-	-	-	-	-	-	-
Delinquent Taxes	-	-	-	-	-	-	-	-	-	-	-	-
Fire Levy	-	-	-	-	-	-	-	-	-	-	-	-
Solid Waste Fees	-	-	-	-	-	-	-	-	-	-	-	-
Stormwater Management Fees	807,374	457,374	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	300,000	-
Debt	-	-	-	-	-	-	-	-	-	-	-	-
Fuel Tax	-	-	-	-	-	-	-	-	-	-	-	-
State/Federal	-	-	-	-	-	-	-	-	-	-	-	-
Proffers Identified	-	-	-	-	-	-	-	-	-	-	-	-
Proffers Projected	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	\$807,374	\$457,374	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	\$0

COST CATEGORIES	Total Project Estimate	Prior Years' Actual	Current Year	CIP							Future Years	
				FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15		
Planning	-	-	-	-	-	-	-	-	-	-	-	-
Property Acquisition	42,000	42,000	-	-	-	-	-	-	-	-	-	-
Design	208,000	208,000	-	-	-	-	-	-	-	-	-	-
Construction/Utility Relocation	537,374	187,374	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	300,000	-
Project Management	20,000	20,000	-	-	-	-	-	-	-	-	-	-
Construction Management	-	-	-	-	-	-	-	-	-	-	-	-
Occupancy	-	-	-	-	-	-	-	-	-	-	-	-
Telecommunications	-	-	-	-	-	-	-	-	-	-	-	-
Debt Issuance Costs	-	-	-	-	-	-	-	-	-	-	-	-
Project Contingency	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	\$807,374	\$457,374	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	\$0
BALANCE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

APPROPRIATIONS	Appropriated Project Budget	Appropriations							Future Years	
		FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15		
Revenues	507,374									
Expenditures	507,374									
Unappropriated Revenues	(300,000)	50,000	50,000	50,000	50,000	50,000	50,000	50,000	300,000	-
Unappropriated Expenditures	(300,000)	50,000	50,000	50,000	50,000	50,000	50,000	50,000	300,000	-

OPERATING IMPACTS	Current Year	CIP						
		FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15
Facility Operating Cost	-	-	-	-	-	-	-	-
Program Operating Cost	-	-	-	-	-	-	-	-
Total Operating Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service	-	-	-	-	-	-	-	-
Total Operating and Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operating Revenue	-	-	-	-	-	-	-	-
GENERAL FUND REQUIREMENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

