

TITLE: Tuscarora Creek Flood Mitigation (06306)

STATUS: Ongoing

PROGRAM DESCRIPTION: Channel improvements to Tuscarora Creek to help reduce flooding of the adjoining residential properties. The project also includes the installation of storm drainage to handle the 100 year storm event and the construction of a two to four foot high wall. Preparation of a FEMA letter of map revision will be required after the work is complete.

This project will be constructed concurrently with a project to improve water quality in Tuscarora Creek (Project Number 16301 - Tuscarora Creek Restoration - TMDL Project).

The project will be constructed in phases, with the initial Phase I construction located upstream of Harrison Street behind the T.W. Perry and bowling alley properties. Phase II is located downstream of Harrison Street and behind the skate park and Loudoun County rescue squad properties.

OPERATING IMPACT: Mowing and landscape maintenance.

GOAL ADDRESSED: 2012 Town Plan

- Natural Resources Objective 2 calls for protection and restoration of the ecological integrity of streams by utilizing watershed management tools to offset the impacts of development.
- Natural Resources Objective 9 calls for protection of people and property from natural hazards such as flooding.

Significant Dates

UTILITY RELOCATION START	CONSTRUCTION START	ESTIMATED COMPLETION
Spring 2019	Spring 2019	Summer 2020



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/19	Year						Total for 6 Yr CIP	Future Funds Required
			2020	2021	2022	2023	2024	2025		
GO Bonds	\$ 3,705,200	\$ 3,377,600	\$ 327,600	—	—	—	—	—	\$ 327,600	—
PAY-GO	34,700	34,700	—	—	—	—	—	—	—	—
Total Sources	\$ 3,739,900	\$ 3,412,300	\$ 327,600	—	—	—	—	—	\$ 327,600	—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/19	Year						Total for 6 Yr CIP	Future Project Cost
			2020	2021	2022	2023	2024	2025		
Project Management	\$ 250,100	\$ 222,500	\$ 27,600	—	—	—	—	—	\$ 27,600	—
Land	40,000	40,000	—	—	—	—	—	—	—	—
Design/Engineering	764,800	464,800	300,000	—	—	—	—	—	300,000	—
Utility Relocation	120,000	120,000	—	—	—	—	—	—	—	—
Construction	2,565,000	2,565,000	—	—	—	—	—	—	—	—
Total Uses	\$ 3,739,900	\$ 3,412,300	\$ 327,600	—	—	—	—	—	\$ 327,600	—

Operating Impact

Operating/Maintenance	2020	2021	2022	2023	2024	2025	Total for 6 Yr CIP
General Maintenance	—	\$ 5,000	\$ 10,000	\$ 10,300	\$ 10,600	\$ 11,000	\$ 46,900
Total Impact	—	\$ 5,000	\$ 10,000	\$ 10,300	\$ 10,600	\$ 11,000	\$ 46,900