

re-coded to
2042769

DEPARTMENT: 55 - Engineering / Stormwater		STATE PROGRAM: 8C - Business Type	PROJECT TITLE: 17th Street Storm Improvements (Phase 12 of Bee Branch Watershed Flood Mitigation Project)			YEAR FIRST SUBMITTED: FY 2018	ACTIVITY NO: 264-2769 340-2769 720-2769	TOTAL PROJECT COST \$ 11,280,980
2017 EXPENSE	2018 BUDGET	PROJECT BUDGET	2019	2020	2021	2022	2023	2024
\$ —	\$ —	A. EXPENDITURE ITEMS Design & Engineering Engineering Services Construction TOTAL	\$ 262,500	\$ 472,500	\$ 340,000	\$ —	\$ —	\$ —
\$ —	\$ —		\$ 87,500	\$ 156,500	\$ 121,000	\$ —	\$ —	\$ —
\$ —	\$ —		\$ 1,900,000	\$ 4,620,980	\$ 3,320,000	\$ —	\$ —	\$ —
\$ —	\$ —		\$ 2,250,000	\$ 5,249,980	\$ 3,781,000	\$ —	\$ —	\$ —
\$ —	\$ —	B. PROJECT FINANCING Federal Grant Stormwater Construction Fund State Flood Mitigation TOTAL	\$ 2,250,000	\$ 350,000	\$ —	\$ —	\$ —	\$ —
\$ —	\$ —		\$ —	\$ 657,395	\$ 769,218	\$ —	\$ —	\$ —
\$ —	\$ —		\$ —	\$ 4,242,585	\$ 3,011,782	\$ —	\$ —	\$ —
\$ —	\$ —		\$ 2,250,000	\$ 5,249,980	\$ 3,781,000	\$ —	\$ —	\$ —

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the construction of a large diameter storm sewer along 17th Street from the Bee Branch Creek to W. Locust Street. Due to the size of the storm sewer to be installed, the project requires the complete reconstruction of the street, traffic control, and public utilities along the entire stretch. The Drainage Basin Master Plan identified multiple locations between W. Locust Street and the Bee Branch Creek Restoration where the existing storm sewer capacity is not adequate to carry even the 10-year rainstorm. A problem area was identified at the base of Locust Street and 17th Street where the grade flattens along the street causing flooding in the area. In addition, stormwater will flow rapidly down 17th Street much like a running river. The expansion of the capacity of storm sewer inlets and pipes would significantly reduce flooding of streets and adjacent properties within the Locust Street Drainage Subarea.

RELATIONSHIP TO OTHER PROJECTS

This project is Phase 12 of the Bee Branch Watershed Flood Mitigation Project. The Bee Branch Watershed Flood Mitigation Project phases are as follows: Phase 1 - Carter Road Detention Basin; Phase 2 - W.32nd Street Detention Basin; Phase 3 - Historic Millwork District; Phase 4 - Lower Bee Branch Creek Restoration; Phase 5 - Bee Branch Flood Mitigation Gate Replacement Project; Phase 6 - Impervious Surface Reduction (Pervious Pavement Systems); Phase 7 - Upper Bee Branch Creek Restoration; Phase 8 - 22nd St/Kaufmann Ave Storm Sewer Improvements; Phase 9 - Flood Maintenance Facility; Phase 10 - North End Storm