

Stormwater Projects

The Department of Environmental and Development Services (EDS) has developed a stormwater management plan to provide a tool for guidance of the design, installation, operation, and maintenance of the stormwater systems in the County. This plan is in compliance with local, state, and federal rules, regulations and standards, and is incorporated in the *Utilities Strategic Capital Plan*.

A brief explanation of the projects is included on the following pages. For more detail, please see the Board's adopted *Utilities Strategic Capital Plan*, which is available for review at the EDS office, libraries, and County Public Information Office.

ES-610 Brandywine Stormwater System - Phases II and III

Improve the drainage problems outside of the VDOT right-of-way. Improvements to include piping, paving and riprap in ditches. Additional improvements will need to be done by VDOT to make the system function.

FY2008	\$	500,000
FY2009		400,000
FY2010		-
FY2011		-
FY2012		-
FY2013		-
FY2008 - FY2013	\$	<u>900,000</u>

ES-611 Moore's Creek Drainage - Phases II and III

Project includes piping along the north side of Rt. 171, culverts under Big Bethel Road, minor channel improvements, improvements to Homestead BMP and internal drainage in Woodlake Crossing.

FY2008	\$	1,670,000
FY2009		2,000,000
FY2010		-
FY2011		-
FY2012		-
FY2013		-
FY2008 - FY2013	\$	<u>3,670,000</u>

ES-617 Greensprings Drainage

Design and construction of a piping system to restore the ravine and other improvements due to erosion resulting from increased drainage over the years.

FY2008	\$	-
FY2009		-
FY2010		750,000
FY2011		-
FY2012		-
FY2013		-
FY2008 - FY2013	\$	<u>750,000</u>

ES-632 Victory Industrial Park Drainage

This area has experienced drainage problems from stormwater run-off from the Industrial Park, landfill and Old-York Hampton Highway. Project would involve designing and constructing improvements from Old-York Hampton Highway, under Route 17 and downstream improvements to the tributary stream to the watershed.

FY2008	\$	450,000
FY2009		-
FY2010		-
FY2011		-
FY2012		-
FY2013		-
FY2008 - FY2013	\$	<u>450,000</u>

ES-633 Terrebonne Drainage

This area has experienced drainage problems along the roadside ditches. Project would involve designing and constructing improvements along both sides of the road.

FY2008	\$	-
FY2009		-
FY2010		-
FY2011		-
FY2012		750,000
FY2013		-
FY2008 - FY2013	\$	<u>750,000</u>

ES-634 County Operations Center

Project is to make improvements to the drainage system throughout the Operations Center. The roadway between the buildings has flooded during major storm events causing it to be impassable and has become a safety issue for emergency response vehicles.

FY2008	\$	-
FY2009		-
FY2010		-
FY2011		-
FY2012		350,000
FY2013		-
FY2008 - FY2013	\$	<u>350,000</u>

ES-635 Claxton Creek

Project is to improve the drainage from Marry Ann Drive and Purgold Road to an outfall at Claxton Creek. This is a low area that folds frequently. This project consists of easement acquisition, wetlands permitting and construction beyond the capability of County maintenance staff.

FY2008	\$	-
FY2009		-
FY2010		-
FY2011		-
FY2012		-
FY2013		<u>160,000</u>
FY2008 - FY2013	\$	<u><u>160,000</u></u>

ES-636 Wormley Creek Headwaters

Project is to address an eroded ravine at the outfall of a roadside ditch at Old York Hampton Highway. The ravine is at the rear of a home in Marlbank Farms and continues to erode creating a safety hazard. The proposed solution is piping, structures and riprap that staff is not capable of installing.

FY2008	\$	-
FY2009		-
FY2010		-
FY2011		-
FY2012		-
FY2013		<u>500,000</u>
FY2008 - FY2013	\$	<u><u>500,000</u></u>

ES-637 Marlbank Cove Ravine

Project is to address an eroded ravine at the outfall of a roadside ditch at 202 Tides Run. County staff has unsuccessfully attempted to control the erosion with riprap. The ravine continues to erode creating a safety hazard. The proposed solution is piping and structures that staff is not capable of installing.

FY2008	\$	-
FY2009		-
FY2010		-
FY2011		-
FY2012		-
FY2013		<u>150,000</u>
FY2008 - FY2013	\$	<u><u>150,000</u></u>