

Smithonia Road at Smokey Road Stormwater Improvement Project



Before – Drop Inlet



After – Stormwater Pipe

Purpose:

The purpose was to correct the inadequacies of the stormwater system and eliminate frequent flooding at the intersection of Smithonia and Smokey Roads. The existing culvert under Smithonia was not adequate for the 100-year discharge and resulted in overtopping of the road and adjacent residential property. The existing low area west of the road collected water during smaller storm events, but provided no benefit during the 100-year storm event. In addition, there was no drainage swale on the west side of Smokey Road and the existing low area east of the road did not provide much storage capacity. Flow had no outlet and overtopped the road.

Project Details:

Installed 230 feet of Stormwater pipe, six safety end sections, one manhole, one drop inlet, 60 tons of rip rap stone, 29 cubic yards of concrete, 22 tons of asphalt patching, and plug and abandon the old system with a new drop inlet, ending in an outfall into existing natural channels north of Smithonia Road.

<u>Phase</u>	<u>Agenda Date</u>	<u>Funding Source</u>	<u>Budget</u>	<u>Actual</u>	<u>Begin Date</u>	<u>End Date</u>
Concept*	Dec-10	SPLOST 2005	\$95,131	\$50,001	Dec-10	Jan-11
PE Design*	Dec-10	SPLOST 2005	\$242,341	\$143,770	Feb-11	Apr-12
FE Design						
ROW*	Sep-11	SPLOST 2005		\$50	Sep-11	Sep-11
Construction	Sep-11	SPLOST 2005	\$25,000	\$17,337	Oct-11	Feb-12

Concept: CHA – Clough, Harbor & Associates David Clark, P.E.
 Design: ACC David Clark, P.E.
 Construction: T&PW Streets & Drainage Department Kevin Gentry
 Notes:
 Project: SU-6

**This project is a sub-project of the Stormwater Improvement Group 2: System Improvement project. The sub-project is combined with Group 2 projects on early agenda items, and in the budgeting of Concept, Design and Right-of-way phases.*