

PROJECT DETAIL REPORT

Project Name: Foster Road – Hooper Road
(program #NFE-C-0004)

Project Type: Capacity

City-Parish Project #: 07-FM-BD-0046

Project Description: The purpose of this project is to increase the capacity of the Suburban Transportation Network (STN) forcemain system and the manifold pump station foremain along Foster Road and Hooper Road to assist in transferring high flows to the main STN forcemain along Hooper Road. Forcemain replacements range from 6 to 36-inches, totaling approximately 32,000-feet of pipe.

Design Consultant: PEC

Construction Contractor: Hemphill Construction

Project Schedule:

PHASE	START	END	STATUS
Design	February 2008	January 2009	100% complete – ahead of schedule.
Construction Bid Phase	January 2009	February 2009	100% complete – ahead of schedule. Construction Contractor selected in February 2009
Construction	March 2009	May 2010	0% complete

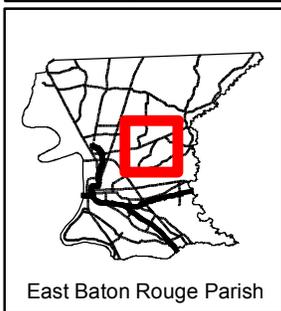
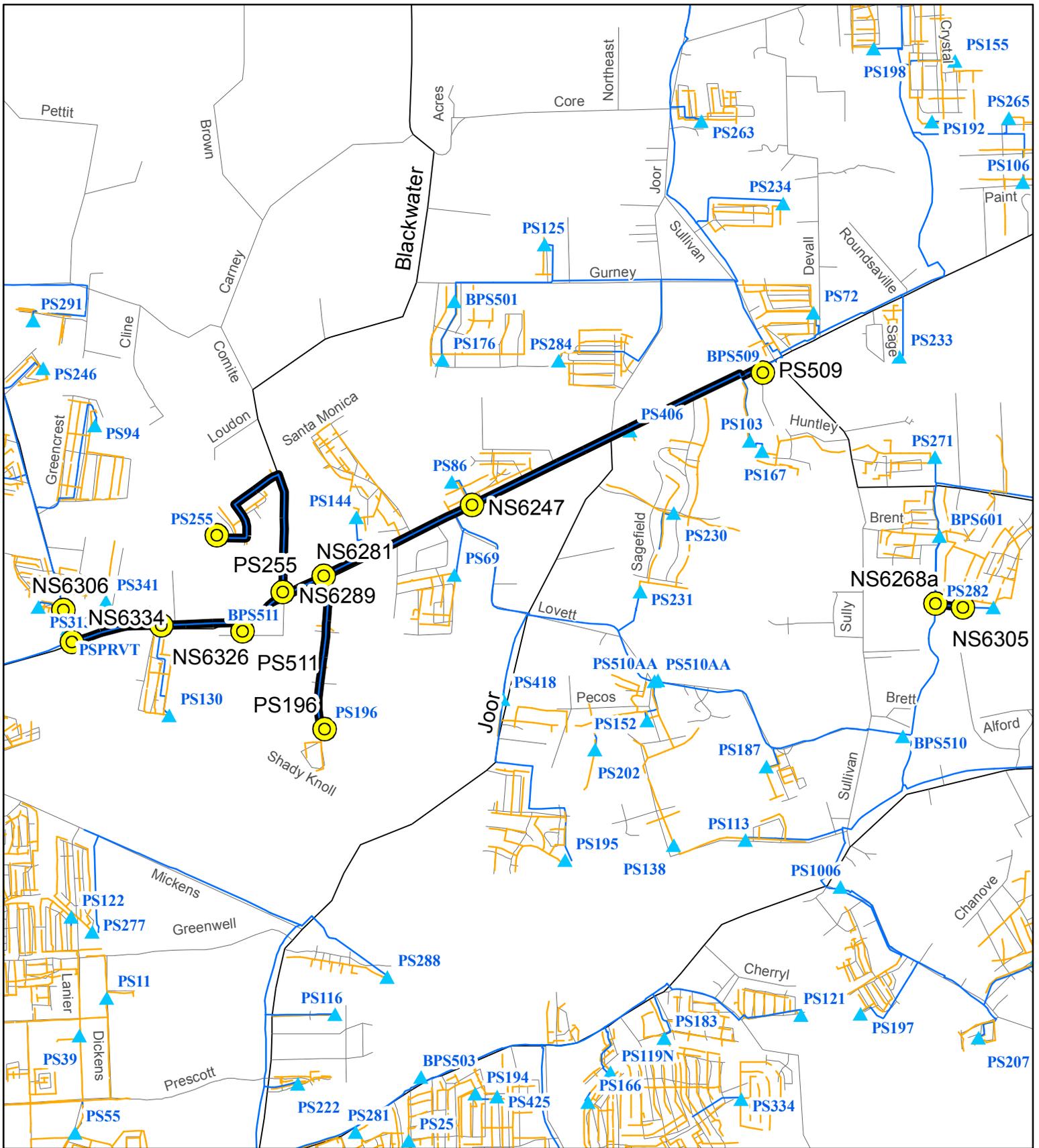
Project Budget:

CITY APPROPRIATIONS TO-DATE

PROGRAM BUDGET

Account	Budget To-Date	Encumbrances	Expenses	Balance	Program Delivery Plan
Design	\$500,000	\$8,407.71	\$357,841.51	\$133,750.78	\$390,000
Inspection	\$400,000	\$21,419.04	\$0	\$378,580.96	\$0
Miscellaneous	\$0	\$0	\$0	\$0	\$0
Contingencies	\$0	\$0	\$0	\$0	\$0
Right-of-Way Acquisition	\$0	\$0	\$0	\$0	\$0
Construction	\$8,500,000	\$8,500,000	\$0	\$0	\$6,890,000
TOTAL	\$9,400,000	\$8,529,827	\$357,842	\$512,332	\$7,280,000

Attachments: Project Vicinity Map
 Project Detail Report
(In-Depth Project Description taken from the Program Delivery Plan)



Legend

Proposed	Existing
New Pump Stations	Exist. Gravity
New Gravity Main	Exist. Forcemain
New Force Main	Exist. Pump Station
New Storage Facility	Manholes/Nodes

0 0.25 0.5 1 Miles



NFE-C-0004

Figure 5-14

Project Vicinity Map



5.4.4 NFE-C-0004 (Foster Road – Hooper Road)

Project Description

Purpose of the Project / Background Information

The purpose of Project NFE-C-0004 (Foster Road – Hooper Road) is to increase the capacity of the STN forcemain system and the manifold forcemains along Foster Road and Hooper Road to assist in transferring high flows to the main STN forcemain along Hooper Road.

Location

Forcemain segment PS 255 to NS6289 begins at PS 255, which is located at the end of the cul-de-sac at Loch Fyne Avenue, and goes east on Loch Fyne Avenue to Ardoon Drive, turns north/northwest on Ardoon Drive to Monhegan Avenue, turns northeast on Monhegan Avenue to Blackwater Road, turns south onto Blackwater Road and terminates at node NS6289, located at the intersection of Blackwater Road and Hooper Road.

Forcemain segment PS 196 to NS 6281 begins at PS 196, which is located near the intersection of Shady Bluff Drive and Shady Knoll Place, and goes north along Shady Bluff Drive to node NS 6281, which is located at the intersection of Shady Bluff Dive and Hooper Road.

Forcemain segment BPS 509 to NS 6247 begins at BPS 509, located near the intersection of Hooper Road and Lazy Lake Drive, and follows Hooper Road southwest until it reaches node NS 6247, located approximately 600 feet east of the intersection of Hooper Road and Lovett Road.

Forcemain segment BPS 511 to NS6334 starts at BPS 511, located in between Hooper Road and Blackwater Road, and travels west along Hooper Road to node NS 6334, located near the intersection of Hooper Road and Foster Road.

Forcemain segment NS6306 to NS6334 starts at node NS 6306, located on Foster Road south of its intersection with Summer Place Avenue and goes south along Foster Road to node NS6334, located near the intersection of Hooper Road and Foster Road.

Scope

This project includes the construction of approximately 26,000 feet of 6-inch, 8-inch, 14-inch, 24-inch, and 36-inch forcemain in the North Forced Basin. The detailed scope of this project is presented in Table 5-11.

TABLE 5-11
NFE-C-0004 (Foster Road – Hooper Road)

US Node	DS Node	Length (ft)	Existing Diameter (in)	Proposed Diameter (in)	Comments
PS 255	NS6289	7600	6	8	
PS 196	NS6281	5200	4	6	
BPS 509	NS6247	6500	20	24	
BPS 511	NS6326	2700	24	36	
NS6326	NS6334	3000	30	36	
NS6306	NS6334	1200	12	14	

Note: The existing pipe sizes and lengths were obtained from the BTRSSO hydraulic model.

Total Estimated Construction Cost is \$6,500,000.

Design was appropriated in 2007.

Scheduled Construction Appropriation Year is 2008 (already appropriated).