



TRANSPORTATION & STREET IMPROVEMENTS PROGRAM

Project: North Harrell's Ferry Road (250' South of Old Hammond Hwy. (LA426) to 500' west of Sherwood Forest Boulevard)

Green Light Program ID: M
 Project Length (feet): 1,775
 Existing Typical Section: Two-lane with open ditches
 Proposed Typical Section: Three-lane, curb & gutter with sidewalks

Project Overview

This project will replace a narrow two lane open ditch roadway with a two lane curb & gutter roadway that will include a continuous center turn lane from 250' south of the Old Hammond Hwy. (LA 426) intersection recently constructed by LA D.O.T.D. to 500' west of Sherwood Forest Blvd.

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ASSUMPTIONS

- Sigma presently under contract to prepare construction plans and specifications.
- Right of way drawings and final construction plans have yet to be authorized.

UTILITIES

Possible Utilities	Existing	Adjust / Relocate
Underground Electric		
Overhead Electric	●	●
Overhead Electric Transmission		
Water	●	●
Sanitary Sewer	●	●
Telephone	●	●
CATV	●	●
Gas Distribution	●	●
Gas HP Pipeline		

HYDROLOGY / HYDRAULICS

- Existing drainage is primarily open ditch along both sides of the roadway with sections of drainage pipes and inlets.

TRAFFIC

- Projected Average Daily Traffic (ADT) for year 2030 is 17,769. The proposed project will provide a Level of Service (LOS) D for year 2030.



SIGNALIZED INTERSECTIONS

- Signalization at the Old Hammond / N. Harrell's Ferry Road intersection is presently being performed under the existing LA. D.O.T.D. construction contract.

RIGHT OF WAY IMPACTS

- Existing right of way appears to be 40' to 60' based on field observation.
- The project has been designed for the typical three-lane roadway with curb and gutter and sidewalks within a 60' right of way.

ENVIRONMENTAL CONCERNS

- No environmental concerns noted at this time.

SOILS

- Project area is poorly drained, very slow permeable soils.
- Typical soils consist of Verdun-Deerford Silt Loam



COST ESTIMATE

Project Description: Three-lane curb and gutter with sidewalks

Project Length: 1775 Feet (0.34 miles)

	CONSTRUCTION COST	
Section 200 -	Earthwork	\$ 85,927
Section 300 -	Base and Subbase Courses	\$ 189,333
Section 400 -	Surface Courses	\$ -
Section 500 -	Pavements	\$ 536,700
Section 600 -	Structures	\$ -
Section 700 -	Drainage Work	\$ 315,240
Section 800 -	Sanitary Sewer Work	\$ 5,600
Section 905 - 906	Pavement Markings & Signalization	\$ 126,325
Section 907 - 911	Concrete Curbs & Sidewalks	\$ 127,800
	SUBTOTAL CONSTRUCTION COST (2006 \$)	\$ 1,386,926
MOBILIZATION		\$ 110,954
	SUBTOTAL	\$ 1,497,880
CONTINGENCY & UNFORESEEN CONDITIONS		\$ 299,576
	SUBTOTAL	\$ 1,797,456
	TOTAL CONSTRUCTION COST (2006 \$)	\$ 1,797,456
UTILITY RELOCATIONS		\$ 349,400
TESTING		\$ 44,936
LIGHTING, LANDSCAPING, SEEDING		\$ 71,898
ENVIRONMENTAL STUDY		\$ 85,000
ENGINEERING		\$ 179,746
ENVIRONMENTAL MITIGATION		\$ 20,000
RIGHT-OF-WAY		\$ 602,010
	SUBTOTAL	\$ 3,150,446
PROGRAM & CONSTRUCTION MANAGEMENT		\$ 157,522
	TOTAL PROJECT COST (2006 \$)	\$ 3,307,968

Comments:

- Unit costs are assumed to include contractor overhead, profit and mark-ups
- Environmental mitigation will include environmental and protection of cultural resources
- Mobilization is expected to be 8% of construction cost
- Contingency and Unforeseen Conditions are expected to be 20% of construction cost
- Testing is expected to be 2.5% of construction cost
- Lighting, Landscaping, and Seeding is expected to be 4% of construction cost
- Note: Percent Cost is for the GLP Program Average and NOT project specific obligation
- Engineering is expected to be 10% of construction cost
- Program & Construction Management is expected to be 5% of project costs

