



TRANSPORTATION & STREET IMPROVEMENTS PROGRAM

Project: Downtown Signalization (30 Locations)

Green Light Program ID: EE
 Project Length (feet): Intersection
 Existing Typical Section: Intersection
 Proposed Typical Section: Intersection

Project Overview

This project will upgrade traffic signals and communications at thirty (30) intersections in the downtown area of Baton Rouge. Signal equipment upgrades, handicap sidewalk ramp construction, and interconnection of signals are included in the project.

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In association with:

PBS&J

GOTECH, Inc.

Neel-Schaffer, Inc.

Compliance Consultants, Inc.

Jones Walker, LLP

John C. Doiron
 MAI Appraisal Services

Rampart Resources

SSA Consultants, LLC

ASSUMPTIONS

- Thirty intersections in downtown Baton Rouge are to be upgraded.
- Upgrade of existing signalization is included.
- Decorative mast arm signal poles and L.E.D. signal heads will be installed.
- Incorporate the interconnection of communications between signals.
- Upgrade and / or construct new handicapped access ramps for intersection sidewalks to meet current ADA standards at all 30 intersections.

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

- The existing storm water drainage system will not be modified.



SIGNALIZED INTERSECTIONS

- The thirty (30) intersections to be included in the project are:

North Street (6 intersections)

at River Road
at Lafayette Street
at Third Street
at N. Fourth Street
at N. Fifth Street
at N. Sixth Street

Convention Street (6 intersections)

at Lafayette Street
at Third Street
at N. Fourth Street
at N. Fifth Street
at N. Sixth Street
at N. Seventh Street

Main Street (6 intersections)

at Lafayette Street
at Third Street
at N. Fourth Street
at N. Fifth Street
at N. Sixth Street
at N. Seventh Street

North Boulevard (3 intersections)

at St. Louis Street
at St. Ferdinand Street
at St. Charles Street

Laurel Street (6 intersections)

at Lafayette Street
at Third Street
at N. Fourth Street
at N. Fifth Street
at N. Sixth Street
at N. Seventh Street

South Boulevard (3 intersections)

at St. Phillip Street
at St. Louis Street
at St. Ferdinand Street

RIGHT OF WAY IMPACTS

- All new signal equipment and conduit will be installed in the existing right of way, therefore, no additional right of way is required.

ENVIRONMENTAL CONCERNS

- No environmental impacts for signal upgrades.
- When final route and extent of interconnection construction is determined, further environmental investigation may be warranted.



COST ESTIMATE

Project Description:	Intersection Improvements (30 locations)	
Project Length:	Intersection	
	CONSTRUCTION COST	
Section 200 -	Earthwork	\$ 80,833
Section 300 -	Base and Subbase Courses	\$ -
Section 400 -	Surface Courses	\$ -
Section 500 -	Pavements	\$ -
Section 600 -	Structures	\$ -
Section 700 -	Drainage Work	\$ -
Section 800 -	Sanitary Sewer Work	\$ -
Section 905 - 906	Pavement Markings & Signalization	\$ 6,150,000
Section 907 - 911	Concrete Curbs & Sidewalks	\$ 239,988
	SUBTOTAL CONSTRUCTION COST (2006 \$)	\$ 6,470,821
MOBILIZATION		\$ 517,666
	SUBTOTAL	\$ 6,988,487
CONTINGENCY & UNFORESEEN CONDITIONS		\$ 1,397,697
	SUBTOTAL	\$ 8,386,184
	TOTAL CONSTRUCTION COST (2006 \$)	\$ 8,386,184
UTILITY RELOCATIONS		
TESTING		\$ 209,655
LIGHTING, LANDSCAPING, SEEDING		\$ 335,447
ENVIRONMENTAL STUDY		\$ -
ENGINEERING		\$ 838,618
ENVIRONMENTAL MITIGATION		\$ -
RIGHT-OF-WAY		
	SUBTOTAL	\$ 9,769,905
PROGRAM & CONSTRUCTION MANAGEMENT		\$ 488,495
	TOTAL PROJECT COST (2006 \$)	\$ 10,258,400

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

