



## TRANSPORTATION & STREET IMPROVEMENTS PROGRAM

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### Project: Brightside Lane (River Road to Nicholson Drive)

Green Light Program ID: K  
 Project Length (feet): 11,350  
 Existing Typical Section: Two-lane, undivided  
 Proposed Typical Section: Three-lane roadway with dedicated bicycle lanes and sidewalks from River Road east to approximately 900' west of Heatherstone Drive.

### Project Overview

The project will provide a three-lane section for Brightside Lane from River Road to west of Nicholson Drive. The project will include sidewalks and dedicated bike lanes on both sides of the road. It will tie into the Nicholson @ Brightside Lane/ W. Lee Intersection Improvements project. The proposed roadway will be constructed within the existing right of way.

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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**

- The project has no previous conceptual design study.
- Incorporate the Brightside Lane and Nicholson Drive intersection study performed by Urban Systems, Inc. published in April, 2004.

**UTILITIES**

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

A subsurface utility engineering (SUE) should be performed, and related cost is included in the Final Engineering cost estimate.

**HYDROLOGY / HYDRAULICS**

- Existing roadway contains open ditches which will be internalized with storm drain systems to outfall structures.
- Due to shallow existing flowlines at the outfall locations, the project will require channel grading of approximately 300' beyond the right of way along the outfall channel for positive drainage.

**TRAFFIC**

- Between River Road and Alvin Dark, the projected Average Daily Traffic (ADT) for year 2030 is 7,873 vehicles and between Alvin Dark and Nicholson, the projected ADT for year 2030 is 19,663 vehicles. The proposed project will provide a level of service B for the design year 2030.



**SIGNALIZED INTERSECTIONS**

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- Based on anticipated traffic, a signal will be required at River Road to provide one right and one left turn lane for west-bound approach of Brightside Lane and provide one left turn lane for southbound River Road and one right turn lane for northbound River Road.
- Based on the traffic analysis, two through lanes and one left turn lane will be provided for both Brightside Lane and West Lee Drive approaches at the Nicholson Drive intersection.

**RIGHT OF WAY IMPACTS**

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- The three-lane roadway section will be constructed within the existing 80' right of way width.

**ENVIRONMENTAL CONCERNS**

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- No known wetland issues.
- Potential cultural impacts to Baptist church, Catholic Center for the Deaf and Louisiana School for the Deaf.
- UST's at the Circle K will require further investigation.

**SOILS**

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- The project area soils consist of poorly drained, clayey soils of the Mississippi River flood plain.



**COST ESTIMATE**

Project Description: Three-lane roadway with dedicated bicycle lanes and sidewalks from River Road east, to approximately 900' west of Heatherstone Drive.

Project Length: 11,350

**Construction Cost**

Section 200	Earthwork	\$	936,180
Section 300	Base Courses	\$	589,451
Section 400	Surface Courses	\$	-
Section 500	Pavements	\$	1,691,849
Section 600	Structures	\$	-
Section 700	Drainage Work	\$	2,685,560
Section 800	Sanitary Sewer Work	\$	320,650
Section 900	Miscellaneous Construction	\$	2,327,078

Subtotal Construction Cost... **\$ 8,550,767**

Mobilization (8%) \$ 684,061

Subtotal... \$ 9,234,829

Contingencies (15%) \$ 1,385,224

**Total Construction Costs... \$ 10,620,053**

Testing (2.5% of Construction Costs) \$ 265,501

Utility Relocations \$ 250,000

Lighting, Landscaping and Seeding    x 4% of CC    Estimate \$ 424,802

Environmental Mitigation \$ -

Environmental Study \$ -

Engineering Costs from    x 11.5% of CC    Contract \$ 1,221,306

Right-of-Way \$ 186,328

Subtotal... **\$ 12,967,991**

Program & Construction Management \$ 648,400

(5% of Project Costs)

**Total Project Costs... \$ 13,616,390**

Note! Unit costs are assumed to include contractor overhead, profit and mark-ups.  
 Environmental Mitigation includes environmental and protection of cultural resources.

