



TRANSPORTATION & STREET IMPROVEMENTS PROGRAM

Project: Burbank Drive (Seg. 2) LA 42 (3000' West of Bluebonnet Boulevard to 750' South of Highland Road)

Green Light Program ID: V
 Project Length (feet): 12,330
 Existing Typical Section: Two-lane (half of a four-lane divided roadway)
 Proposed Typical Section: Four-lane divided roadway with open ditches

Project Overview

This project will consist of adding two additional traffic lanes, turn lanes and improvement to the intersections from a point 3000' West of the Bluebonnet Boulevard to the tie-in point approximately 750 feet south of Highland Road. The purpose of the project will be to provide an improved East-West route to LSU and the Downtown areas and relieve the congestion along Highland Road. Identified on the City-Parish Major Street Plan, the improved Burbank Drive will tie to North-South improvements along Bluebonnet Blvd. and Siegen Lane.

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ASSUMPTIONS

- No additional right-of-way required for the proposed project.

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 open ditch along both sides of the roadway.
- Four-lane divided bridge crosses Bayou Fountain and was constructed in a previous project.

TRAFFIC

- Projected Average Daily Traffic (ADT) for year 2030 is 24,347. The proposed project will provide a Level of Service (LOS) B for year 2030.



SIGNALIZED INTERSECTIONS

- Signalization and interconnection will be required at the Bluebonnet/Burbank intersection. The proposed configuration will have two through lanes and one left turn lane in both directions on both roadways, as well as an additional left-turn lane from eastbound Burbank onto Bluebonnet. A right turn lane will be constructed from northbound Bluebonnet onto Burbank.
- No signalization required at the BREC park soccer field.

RIGHT OF WAY IMPACTS

- Existing right of way is approximately 160' wide along the east-west portion of the project and 180' wide along the north-south portion of the project, based on field observation. No additional right of way is required for the proposed project.

ENVIRONMENTAL CONCERNS

- No major wetland or other environmental issues are anticipated due to existing nature of project.

SOILS

- Project area consist of poorly drained soils deposited by the Mississippi River.
- Typical soils consist of Commerce Loam, Mhoon silty clay loam, Mhoon silty clay, Tunica clay, & Tunica-Sharkey clay.



COST ESTIMATE

Project Description:	Four-lane divided roadway with open ditches		
Project Length:	12330 Feet (2.34 miles)		
	CONSTRUCTION COST		
Section 200 -	Earthwork	\$	526,372
Section 300 -	Base and Subbase Courses	\$	1,164,500
Section 400 -	Surface Courses	\$	-
Section 500 -	Pavements	\$	2,667,190
Section 600 -	Structures	\$	-
Section 700 -	Drainage Work	\$	-
Section 800 -	Sanitary Sewer Work	\$	-
Section 905 - 906	Pavement Markings & Signalization	\$	865,910
Section 907 - 911	Concrete Curbs & Sidewalks	\$	246,600
	SUBTOTAL CONSTRUCTION COST (2006 \$)	\$	5,470,572
MOBILIZATION		\$	437,646
	SUBTOTAL	\$	5,908,218
CONTINGENCY & UNFORESEEN CONDITIONS		\$	1,181,644
	SUBTOTAL	\$	7,089,861
	TOTAL CONSTRUCTION COST (2006 \$)	\$	7,089,861
UTILITY RELOCATIONS		\$	106,155
TESTING		\$	177,247
LIGHTING, LANDSCAPING, SEEDING		\$	283,594
ENVIRONMENTAL STUDY		\$	155,000
ENGINEERING		\$	708,986
ENVIRONMENTAL MITIGATION		\$	80,000
RIGHT-OF-WAY		\$	-
	SUBTOTAL	\$	8,600,843
PROGRAM & CONSTRUCTION MANAGEMENT		\$	430,042
	TOTAL PROJECT COST (2006 \$)	\$	9,030,886

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

