



TRANSPORTATION & STREET IMPROVEMENTS PROGRAM

Project: Sullivan Road (Central Thruway to 2,250' North of Wax Road)

Green Light Program ID: T
 Project Length (feet): 9,500
 Existing Typical Section: Two-lane asphalt roadway with open ditch drainage adjacent to pavement
 Proposed Typical Section: Four-lane boulevard with 8' shoulders and adjacent open ditches

Project Overview

This project will build two travel lanes in each direction with a raised median on Sullivan Road from the proposed Central Thruway to Wax Road. When combined with other projects in the Plan, it will provide an improved North-South connection extending from Nicholson Drive to Hooper Road.

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ASSUMPTIONS

- Sigma Consultants is the current design consultant for proposed project. The lane configurations shown match the Sigma design study. It does not match our internal traffic report.
- Project begins at north end of Project “D” (Central Thruway), which is just south of Lovett Road and north of Greenwell Springs Road.
- Much of the existing roadway is built up above the natural grade; therefore, widening to the proposed section will require additional fill/embankment.

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

- Most of project’s drainage system will be open channel drainage and cross drain pipes. The proposed cross drains will cut across from west to east and over to outfall laterals which merge with Beaver Bayou.

TRAFFIC

- Projected Average Daily Traffic (ADT) for year 2030 is 24,457. The proposed project will provide a Level of Service (LOS) C for year 2030.



SIGNALIZED INTERSECTIONS

- Lovett Road signalized intersection (south end of project) will be modified from the present three lane configuration to accommodate the proposed roadway.
- Signalization also required at Wal-Mart Drive (one drive only, not at #2) and at Wax Road.
- Double left-turn lanes are required for the Sullivan Road northbound traffic at Lovett. Right-turn and left-turn lanes are required for Lovett Road.
- Single turn lanes are required for the Sullivan Road traffic - northbound and southbound – for both Wal-Mart access roads.
- Double left turn lanes and double right turn lanes are required for Wax Road onto Sullivan. A double left-turn lane southbound and a right-turn lane northbound are required for Sullivan at Wax Road.

RIGHT OF WAY IMPACTS

- Existing right of way is approximately 80'. The approximate required right of way width is 150'.

ENVIRONMENTAL CONCERNS

- Four acres of wetlands in the open ditches along roadway will be impacted.
- Potential concern regarding UST's located at old 7-11 store, at the Biltmore Subdivision entrance. Cost to cover this investigation are included in the estimate.
- Potential asbestos and lead paint issues in old houses along the roadway.

SOILS

- Project area soils are predominantly silty loam.



COST ESTIMATE

Project Description:	Four-lane boulevard with 8' shoulders and adjacent open ditches		
Project Length:	9500 Feet (1.80 miles)		
	CONSTRUCTION COST		
Section 200 -	Earthwork	\$	1,863,003
Section 300 -	Base and Subbase Courses	\$	1,971,775
Section 400 -	Surface Courses	\$	-
Section 500 -	Pavements	\$	4,943,726
Section 600 -	Structures	\$	-
Section 700 -	Drainage Work	\$	815,420
Section 800 -	Sanitary Sewer Work	\$	-
Section 905 - 906	Pavement Markings & Signalization	\$	1,430,580
Section 907 - 911	Concrete Curbs & Sidewalks	\$	152,000
	SUBTOTAL CONSTRUCTION COST (2006 \$)	\$	11,176,503
MOBILIZATION		\$	894,120
	SUBTOTAL	\$	12,070,623
CONTINGENCY & UNFORESEEN CONDITIONS		\$	2,414,125
	SUBTOTAL	\$	14,484,748
	TOTAL CONSTRUCTION COST (2006 \$)	\$	14,484,748
UTILITY RELOCATIONS		\$	953,040
TESTING		\$	362,119
LIGHTING, LANDSCAPING, SEEDING		\$	579,390
ENVIRONMENTAL STUDY		\$	170,000
ENGINEERING		\$	1,448,475
ENVIRONMENTAL MITIGATION		\$	380,000
RIGHT-OF-WAY		\$	12,080,642
	SUBTOTAL	\$	30,458,414
PROGRAM & CONSTRUCTION MANAGEMENT		\$	1,522,921
	TOTAL PROJECT COST (2006 \$)	\$	31,981,334

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

