



TRANSPORTATION & STREET IMPROVEMENTS PROGRAM

Project: S Choctaw at N Flannery (Intersection Improvement)

Green Light Program ID: 02P
 Project Length (feet): 0 ft
 Existing Typical Section: Intersection
 Proposed Typical Section: Two through lanes and a left-turn lane in the eastbound and westbound directions; and a through-lane, right-turn lane, and left-turn lane on the northbound and southbound directions

Project Overview

This project will add additional turn lanes and provided a new straighter alignment to N. Flannery Road. The existing traffic signal will be taken down and replaced with the latest current traffic signal poles and equipment. The widening at the intersection will require the existing S. Choctaw bridge to be widened.

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In association with:

PBS&J

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Neel-Schaffer, Inc.

Compliance Consultants, Inc.

Jones Walker, LLP

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 MAI Appraisal Services

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ASSUMPTIONS

- Additional turning lanes will be added to each quadrant of the intersection.
- Proposed sidewalks at this intersection will be placed only on the east leg of S. Choctaw.
- Project cost estimate assumes that Central Thruway will be constructed prior to the start of this project

UTILITIES

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

It is recommended that a Subsurface Utility Investigation (SUE) be conducted for this project. The cost of this activity is included within the Final Engineering cost.

HYDROLOGY / HYDRAULICS

- Both roadways have existing curb and gutter with a storm sewer drainage system at the intersection. The proposed drainage design will require additional pipes and structures as needed to connect to the existing drainage system.



SIGNALIZED INTERSECTIONS

- Existing signal at this intersection. The existing configuration contains two through lanes in each direction for both the east and west legs of the intersection. The north and south legs both have a left-turn lane, a through/right-turn lane
- Based on projected traffic data, the proposed configuration will be; two through lanes and a left-turn lane in the eastbound and westbound directions; and a through-lane, right-turn lane, and left-turn lane on the northbound and southbound directions

RIGHT OF WAY IMPACTS

- Right of way has already been acquired for this project. The previously acquired right of way accounts for the proposed straightened alignment and the space behind the edge of the roadway that is needed to relocate utilities and to provide room for the proposed subsurface drainage.

ENVIRONMENTAL CONCERNS

- There are no wetlands in the project area.

SOILS

- Project area soils are somewhat poorly drained to moderately well drained and loamy.



COST ESTIMATE

Project Description: Add an additional turn lanes to all four quadrants of intersection and widen existing bridge

Project Length: 2,552 Feet (0.48 miles)

CONSTRUCTION COST			
Section 200 -	Earthwork	\$	280,778
Section 300 -	Base and Subbase Courses	\$	347,465
Section 400 -	Surface Courses	\$	31,296
Section 500 -	Pavements	\$	646,674
Section 600 -	Structures	\$	182,708
Section 700 -	Drainage Work	\$	221,393
Section 800 -	Sanitary Sewer Work	\$	-
Section 900	Miscellaneous Construction	\$	428,905
	SUBTOTAL CONSTRUCTION COST (2008 \$)	\$	2,139,218
MOBILIZATION		\$	171,137
	SUBTOTAL	\$	2,310,355
CONTINGENCY & UNFORESEEN CONDITIONS		\$	346,553
	TOTAL CONSTRUCTION COST (2008 \$)	\$	2,656,909
UTILITY RELOCATIONS		\$	90,000
TESTING		\$	66,423
LIGHTING, LANDSCAPING, SEEDING		\$	92,414
ENVIRONMENTAL STUDY		\$	-
ENGINEERING		\$	20,000
ENVIRONMENTAL MITIGATION		\$	-
RIGHT-OF-WAY		\$	-
	SUBTOTAL	\$	2,925,746
PROGRAM & CONSTRUCTION MANAGEMENT		\$	146,287
	TOTAL PROJECT COST (2008 \$)	\$	3,072,033

Comments:

- Unit costs are assumed to include contractor overhead, profit and mark-ups
- Mobilization is expected to be 8% of construction cost
- Contingency and Unforeseen Conditions are expected to be 15% 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
- Program & Construction Management is expected to be 5% of project costs

