



TRANSPORTATION & STREET IMPROVEMENTS PROGRAM

Project: Hooper—Sullivan (Segment 2)

Green Light Program ID: J1
 Project Length (feet): 10,133'
 Existing Typical Section: Two-lane undivided with open ditch drainage
 Proposed Typical Section: Four-lane curb and gutter with raised median

Project Overview

The project will widen Hooper Road to provide two through lanes in each direction and a raised median from approximately 750' east of Joor Road to Sullivan Road and widen Sullivan Road to provide two through lanes in each direction and a raised median from Hooper Road to approximately 635' north of Wax Road. This project will provide an improved east-west corridor connecting I-110, Harding Boulevard, Joor Road, and Sullivan Road.

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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.
- Project will tie to existing improved five-lane curb and gutter roadway section at the Hooper Road and Joor Road intersection.

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 roadway contains ditches which will be relocated to the outfall structures along the project.

TRAFFIC

- Projected Average Daily Traffic (ADT) on Hooper for year 2030 is 22,675 vehicles per day. The proposed project will provide a level of service B for the design year 2030.



SIGNALIZED INTERSECTIONS

- Replace the existing traffic signal at Hooper and Sullivan Road to provide one left turn lane, one through lane, and one right turn lane for eastbound Hooper Road, and provide one left turn lane, one through lane and one right turn lane for westbound Hooper Road.
- The existing traffic signal at Hooper Road and Joor Road is to remain in place.

RIGHT OF WAY IMPACTS

- The existing right of way is approximately 80'. The approximate required right of way width is 125'.

ENVIRONMENTAL CONCERNS

- Potential wetlands exist in the roadway ditches and wooded areas along both sides of the road. Approximately 5.74 acres of wooded wetlands and ditch wetlands are estimated for this project. Wetland delineation and mitigation will be required for the project.
- Potential UST at the Circle K, BP and an old Chevron at Sullivan Road.
- Potential hazardous substance at a drycleaners located on the southwest corner of the Hooper and Sullivan intersection.
- Potential asbestos and lead paint in old houses along Hooper Road.
- Community and social environment issues may include Central Middle School.

SOILS

- Project area soils are dominantly level, poorly drained to moderately well drained.
- Loamy soils on broad flats and in slight depressions.



COST ESTIMATE

Description: From existing two lane with open ditch 700' N. of Wax Road to Hooper and from Joor Road to Sullivan (Hooper 125' ROW and Sullivan 150')
Four lane, divided with curb and gutter

Project Length: 10,133 Feet (1.92 miles)

	CONSTRUCTION COST	
Section 200 -	Earthwork	\$ 1,903,718
Section 300 -	Base Courses	\$ 2,564,605
Section 400 -	Surface Courses	\$ 60,030
Section 500 -	Pavements	\$ 4,528,954
Section 600 -	Structures	\$ -
Section 700 -	Drainage Work	\$ 2,333,084
Section 800 -	Sanitary Sewer -8/11/08	\$ 710,117
Section 900 -	Miscellaneous Construction	\$ 1,845,345
	SUBTOTAL CONSTRUCTION COST	\$ 13,945,852
MOBILIZATION		\$ 1,115,668
	SUBTOTAL	\$ 15,061,520
CONTINGENCIES		\$ 3,012,304
	TOTAL CONSTRUCTION COST	\$ 18,073,825
Testing (2.5% of Construction Costs)		\$ 451,846
Utility Relocations		\$ 520,520
Lighting, Landscaping and Seeding		\$ 722,953
Environmental Mitigation:		\$ 510,000
Environmental Study		\$ 240,000
Engineering Costs from:		\$ 2,078,490
Right-of-Way		\$ 10,461,049
	SUBTOTAL	\$ 33,058,682
	TOTAL PROJECT COST	\$ 33,058,682

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

