



TRANSPORTATION & STREET IMPROVEMENTS PROGRAM

Project: Elm Grove Garden (600' North of Fairchild St. to Rosenwald Road)

Green Light Program ID: Y
 Project Length (feet): 2,560
 Existing Typical Section: Two-lane primarily open ditch
 Proposed Typical Section: Two-lane curb & gutter with sidewalks

Project Overview

This project will consist of replacing a narrow two lane open ditch roadway with a two lane curb & gutter roadway with sidewalks for safer access to the existing schools in the area.

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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

- Existing bridge at southerly end of the project is scheduled to be replaced under the LA D.O.T.D. off system bridge replacement program.

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 side the roadway, except in the area of the two schools.

TRAFFIC

- Projected Average Daily Traffic (ADT) for year 2030 is 811. The proposed project will provide a Level Of Service (LOS) A for the year 2030.



SIGNALIZED INTERSECTIONS

- No signalization or additional turn lanes required at either end of the project.

RIGHT OF WAY IMPACTS

- The apparent existing right of way is approximately 40' to 50' based on field observation. The required right of way width for the project is 45'.

ENVIRONMENTAL CONCERNS

- No potential wetland or environmental concerns noted at this time.

SOILS

- Project area has poorly drained, very slow permeable soils.
- Typical soils consist of Verdun-Deerford Silt Loam.



COST ESTIMATE

Project Description:	Two-lane curb & gutter with sidewalks		
Project Length:	2750 Feet (0.52 miles)		
	CONSTRUCTION COST		
Section 200 -	Earthwork	\$	109,161
Section 300 -	Base and Subbase Courses	\$	239,556
Section 400 -	Surface Courses	\$	-
Section 500 -	Pavements	\$	118,684
Section 600 -	Structures	\$	-
Section 700 -	Drainage Work	\$	709,240
Section 800 -	Sanitary Sewer Work	\$	5,600
Section 905 - 906	Pavement Markings & Signalization	\$	140,750
Section 907 - 911	Concrete Curbs & Sidewalks	\$	242,000
	SUBTOTAL CONSTRUCTION COST (2006 \$)	\$	1,564,990
MOBILIZATION		\$	125,199
	SUBTOTAL	\$	1,690,189
CONTINGENCY & UNFORESEEN CONDITIONS		\$	338,038
	SUBTOTAL	\$	2,028,227
	TOTAL CONSTRUCTION COST (2006 \$)	\$	2,028,227
UTILITY RELOCATIONS		\$	67,215
TESTING		\$	50,706
LIGHTING, LANDSCAPING, SEEDING		\$	81,129
ENVIRONMENTAL STUDY		\$	60,000
ENGINEERING		\$	202,823
ENVIRONMENTAL MITIGATION		\$	-
RIGHT-OF-WAY		\$	1,820,000
	SUBTOTAL	\$	4,310,100
PROGRAM & CONSTRUCTION MANAGEMENT		\$	215,505
	TOTAL PROJECT COST (2006 \$)	\$	4,525,605

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

