

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0007066, Rockdale County **OFFICE** Preconstruction
CSSTP-0007-00(066)
SR 138/Walnut Grove at CR 125/East View Parkway **DATE** November 6, 2006
FROM *for* *Genetha Rice Singleton* Genetha Rice-Singleton, Assistant Director of Preconstruction
TO SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

GRS/cj

Attachment

DISTRIBUTION:

- Brian Summers
- Harvey Keepler
- Ken Thompson
- Jamie Simpson
- Michael Henry
- Keith Golden
- Joe Palladi (file copy)
- Paul Liles
- Babs Abubakari
- Bryant Poole
- BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE CSSTP-0007-00(066), Rockdale County **OFFICE** District Seven
S.R. 138 at Eastview Pkwy Chamblee, GA
PI NO.: 0007066 **DATE** October 13, 2006

FROM Bryant Poole, Metro District Engineer

TO Genetha Rice-Singleton, Assistant Director of Preconstruction
Attn: Johnny Quarles

SUBJECT **Concept Report Review**

Attached please find the concept report with attachments for the above referenced projects. This is for your review and further handling.

Interdepartmental approval of the attached Concept Report should be submitted to the office of Genetha Rice-Singleton, Assistant Director of Preconstruction. If you have any questions or comments, please contact Michael Coleman at (404) 463-4947.

BP:WSL:mac

Attachments

Cc: David Studstill, Chief Engineer
Keith Golden, State Transportation Planning Administrator
Bryant Poole, District Seven Engineer

File

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 7

PROJECT CONCEPT REPORT

S.R 138/Walnut Grove @ C.R. 125/East View Parkway.

Project Number: CSSTP-0007-00(066)

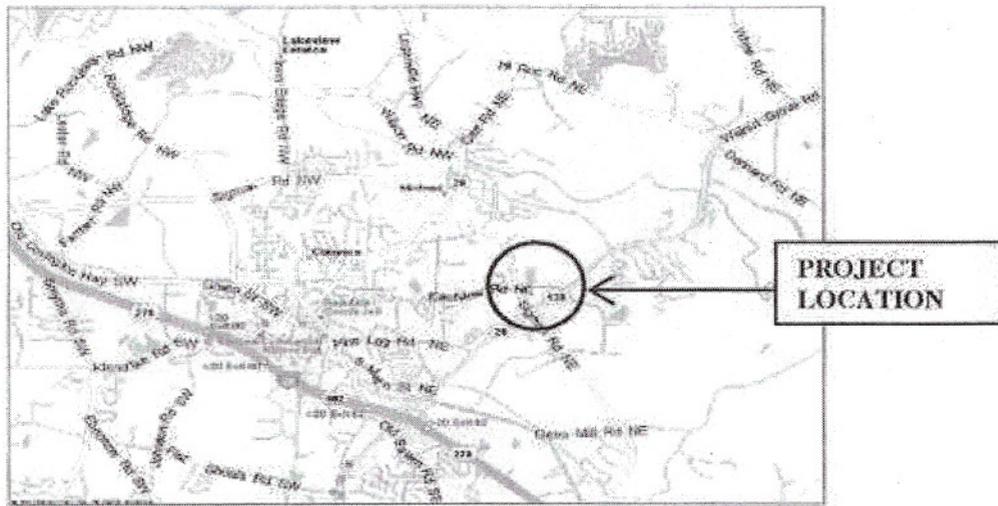
County: Rockdale

P. I. Number: 0007066

Federal Route Number: N/A

State Route Number: 138

County Route Number: 125



RECOMMENDED: 10-23-06 Keith Gold
DATE STATE TRAFFIC SAFETY AND DESIGN ENGINEER

RECOMMENDED: 10/12/06 Ray Hoole
DATE DISTRICT ENGINEER

APPROVED: 11/6/06 D. J. S. [Signature]
DATE CHIEF ENGINEER

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. CSSTP-0007-00(066)

Dekalb County

P. I. No. 0007066

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

The date of location approval NOVEMBER 6, 2006

This project is located at the intersection of SR138 and CR125 located in Rockdale County. Land District 16 and, Land Lot 326.

This project proposes to signalize the intersection with dedicated left-turn signals to protect the left-turn traffic from both side streets. The improvement will include the removal of the 10-ft landscaped median, increase the current 10-ft lane width on CR 125 to 12-ft, and add a left turn lane for a length of 0.4 miles (2112 ft).

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Thomas C. Parker
District 7 – Area 1 Engineer
Thom.parker@dot.state.ga.us
805 George Luther Drive
Decatur, Georgia 30032
(404) 299-4386

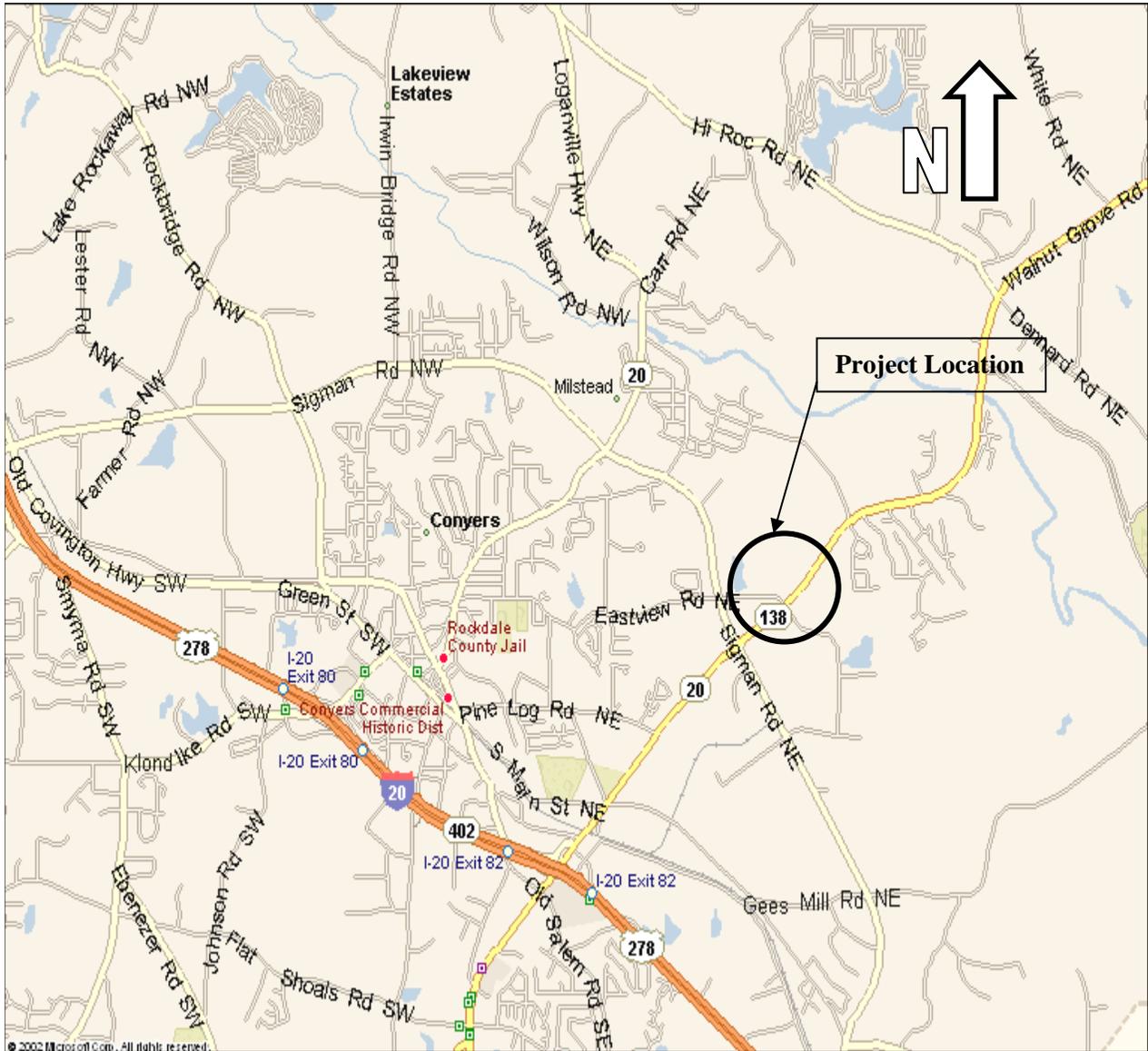
Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Mike Lobdell, PE
District 7 Preconstruction Engineer
Mike.lobdell@dot.state.ga.us
330 Capitol Ave SE
Atlanta, GA 30334-9002
(404)463-4947

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.

Project Concept Report page: 1
Project Number: CSSTP-0007-00(066)
P. I. Number: 0007066
County: Rockdale

PROJECT LOCATION MAP



SR 138/Walnut Grove @ CR 125/Eastview Parkway.
Project No. : CSSTP-0007-00(066)
Operational Improvement Project.

Need and Purpose: The purpose of this project is to provide operational improvements to the intersection of S.R. 138/Walnut Grove Road (principal arterial) with CR 125/East View Parkway/Eastview Rd NE(urban collector), a four-way intersection operating without traffic signals, that lies within a combination industrial and residential area in Conyers, Rockdale County. Currently, S.R. 138/Walnut Grove consists of two 12-ft lanes, one right turn lane on the northbound approach and one left turn/U-turn lane on the southbound approach. East View Parkway consists of two through lanes. Traffic approaching the intersection from CR 125 traveling both eastbound and westbound experience significant delays when vehicles attempt to make a left turn onto S.R. 138. The absence of a traffic signal decreases driver comfort as a vehicle must cross over four lanes of traffic plus the median in order to make a left turn. Both, the absence of left turns from C.R 125 and traffic signals increase the probability of accident. Based on the information gathered from the department’s accident database the following accident data are recorded at the intersection of SR 138:

Year	Route SR	Intersecting RD CR	Total Accident No.	Injuries	Fatalities
2002	138/Walnut Grove Rd.	125/East view Parkway	5	3	0
2003	138/Walnut Grove Rd.	125/East view Parkway	3	0	0
2004	138/Walnut Grove Rd.	125/East view Parkway	3	1	0

Description of the proposed project: SR 138/Walnut Grove Road (Urban Principal Arterial) consists of four 12-ft lanes, a 12-ft left turn lane, a 12-ft right turn lane, and a 45-ft divided grassed median with variable width urban shoulders. CR 125/East View Parkway (Urban Collector) consists of two 10-ft lanes divided by a 10-ft landscaped median with variable width rural shoulders. The side streets are controlled by a stop sign. This project proposes to signalize the intersection with dedicated left-turn signals to protect the left-turn traffic from both side streets. The improvement will include the removal of the 10-ft landscaped median, increase the current 10-ft lane width on CR 125 to 12-ft. The project satisfies the need and purpose by signalizing the intersection (thereby increasing operational efficiency), and by adding a left turn lane and pedestrian facilities, thus providing for a safer intersection.

Is the project located in a Non-attainment area? Yes No.

The Project is in conformance with the current TIP and does not add capacity to roadway. The is air quality exempt

PDP Classification: Major Minor

Federal Oversight: Full Oversight (), Exempt (X), State Funded (), or Other ()

Functional Classification: Urban Principal Arterial

U. S. Route Number(s): N/A

State Route Number(s): 138

Traffic (AADT):

Current Year: (2005)

SR 138/ Walnut Grove Road: 26560

CR 125/ East View Parkway: 6740

Existing design features:

- Typical Section:

SR 138 two-12 ft lanes, one left and right turn lane in each direction, with 45 ft median. East view Parkway (CR 125) consists of two 10 ft lanes and a thru/left lane on the east bound approach.

- Posted speed 55 mph (SR 138),
40 mph (CR125)
- Maximum grade: +5% (SR 138)
- +4% (SR 138)
- Width of right of way: SR 138- 100 ft (estimated)
CR 125- 50 ft (estimated)
- Major structures: None
- Major interchanges or intersections along the project: None
- Existing length of roadway segment:

	Begin Milepost	End Milepost
SR 138	12.32	12.33
CR 125	0.0	0.02

Proposed Design Features:

- Proposed typical section(s)
CR 125(East and West Bound): Adding one 12 left turn (250 ft bay length)
- Proposed Design Speed 35
- Proposed Maximum grade: Maintain Mainline Grade
- Maximum grade allowable N/A
- Proposed Maximum grade Side Street
- Maximum grade allowable
- Proposed Maximum grade driveway
- Proposed Maximum degree of curve
- Maximum degree allowable N/A
- Right of way
 - Width 100 ft
 - Easements: Temporary (), Permanent (X), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (X), Other ().

- Number of parcels: 9 Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0

- Structures:
 - Bridges: None
 - Retaining walls: None
- Major intersections and interchanges.
- Traffic control during construction: Not anticipated.
- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	()	()	(X)
ROADWAY WIDTH:	()	()	(X)
SHOULDER WIDTH:	()	()	(X)
VERTICAL GRADES:	()	()	(X)
CROSS SLOPES:	()	()	(X)
STOPPING SIGHT DISTANCE:	()	()	(X)
SUPERELEVATION RATES:	()	()	(X)
HORIZONTAL CLEARANCE:	()	()	(X)
SPEED DESIGN:	()	()	(X)
VERTICAL CLEARANCE:	()	()	(X)
BRIDGE WIDTH:	()	()	(X)
BRIDGE STRUCTURAL CAPACITY:	()	()	(X)

- Design Variances: None
- Environmental concerns: None
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - Categorical exclusion (X),
 - Environmental Assessment/Finding of No Significant Impact (FONSI) (), or
 - Environmental Impact Statement (EIS) ().
- Utility involvements:
 - Atlanta Gas
 - Bell South
 - City of Conyers
 - City of Lawrenceville
 - Comcast
 - Georgia Power
 - Snapping Shrls EMC
 - Rockdale County
 - Transcontinental Gas Pipeline
 - Level 3 Communications
 - Epik Communications

Project Concept Report Page: 5
Project Number: CSSTP-0007-00(066)
P. I. Number: 0007066
County: Rockdale

Project responsibilities:

- Design: Georgia DOT
- Right of Way Acquisition: Georgia DOT
- Relocation of Utilities: Georgia DOT
- Letting to contract: Georgia DOT
- Supervision of construction: Georgia DOT
- Providing material pits: Contractor
- Providing detours N/A

Coordination

- P. A. R. meetings, dates and results.
- Public involvement: None anticipated
- FEMA, USCG, and/or TVA
- Other projects in the area.(0007065)
- Other coordination to date: None
- Railroads: None

Scheduling – Responsible Parties’ Estimate

- Time to complete the environmental process: ___3___Months.
- Time to complete preliminary construction plans: ___3___Months.
- Time to complete right of way plans: ___2___Months.
- Time to complete the Section 404 Permit: ___N/A
- Time to complete final construction plans: ___4___Months.
- Time to complete to purchase right of way: ___9___Months.
- List other major items that will affect the project schedule: None

Other alternates considered: No Build. Doesn't satisfy need and purpose

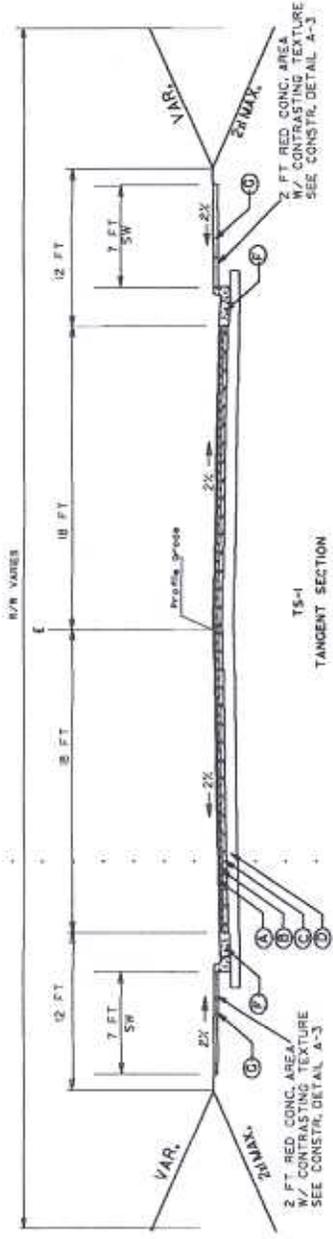
Comments:

Attachments:

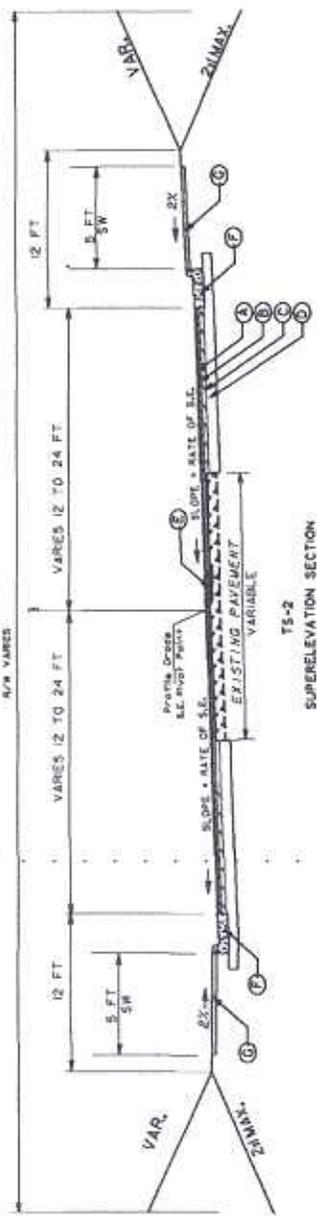
1. Notice of Location and Design
2. Cost Estimates
3. Typical sections

TYPICAL SECTIONS

OVERLAY AND FULL DEPTH PAVING



THE ABOVE TYPICAL APPLIES TO STATIONS 22+00 TO 25+50 - EASTVIEW PKWY



THE ABOVE TYPICAL APPLIES TO STATIONS 26+50 TO 31+15 - EASTVIEW ROAD

- REQUIRED PAVEMENT:**
- (A) 0.5 min SUPERPAVE, 65 LB/SY, MIX DESIGN LEVEL B
 - (B) 0.9 min SUPERPAVE, 220 LB/SY, MIX DESIGN LEVEL B
 - (C) 0.5 min SUPERPAVE, 440 LB/SY, MIX DESIGN LEVEL A
 - (D) GRADED AGGREGATE BASE, 2 IN
 - (E) ASPH CONC LEVELING AS REQUIRED
 - (F) CONC. CURB AND GUTTER TP. 2 (GA STD 9032-B), 8 IN X 30 IN
 - (G) CONCRETE SIDEWALK, 4 IN THICK
- TYPICAL SIDEWALKS SHALL HAVE 4.0" SMOOTH CONCRETE SIDEWALK WITH 2.0" STAMPED CONCRETE ADJACENT TO CURB. SEE SIDEWALK NOTE ON DRAWING NO. 10-02 (SHEET 4)

GEORGIA
 DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

OFFICE: TYPICAL SECTIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

S. R. 138 AT EASTVIEW PKWY
INTERSECTION IMPROVEMENT

REVISION DATES
 DATE
 DESCRIPTION
 5-01

Estimate Report for file "0007066"

Section Construction / Roadway					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	25000.00	TRAFFIC CONTROL -HPP-0003-00(775)	25000.00
210-0100	1	LS	40000.00	GRADING COMPLETE -HPP-0003-00(775)	40000.00
310-1101	1525	TN	16.03	GR AGGR BASE CRS, INCL MATL	24445.75
402-3112	300	TN	44.46	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	13338.00
402-3121	600	TN	35.03	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	21018.00
402-3130	185	TN	36.21	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	6698.85
413-1000	460	GL	0.92	BITUM TACK COAT	423.20
432-0206	1600	SY	1.08	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	1728.00
441-0104	1115	SY	21.09	CONC SIDEWALK, 4 IN	23515.35
441-6022	2000	LF	10.00	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	20000.00
550-1180	50	LF	27.93	STORM DRAIN PIPE, 18 IN, H 1-10	1396.50
668-1100	1	EA	1675.68	CATCH BASIN, GP 1	1675.68
668-4300	1	EA	1727.14	STORM SEWER MANHOLE, TP 1	1727.14
Section Sub Total:					\$180,966.47

Section Signing & Marking					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
647-1000	1	LS	39181.36	TRAFFIC SIGNAL INSTALLATION NO -	39181.36
653-0120	7	EA	57.86	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	405.02
653-1501	680	LF	0.23	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	156.40
653-1502	2400	LF	0.22	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	528.00
653-1704	210	LF	3.67	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	770.70
653-1804	1840	LF	1.48	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	2723.20
653-3501	300	GLF	0.15	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	45.00
654-1001	120	EA	3.59	RAISED PVMT MARKERS TP 1	430.80
654-1003	35	EA	3.78	RAISED PVMT MARKERS TP 3	132.30
Section Sub Total:					\$44,372.78

Section Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	1	AC	424.52	TEMPORARY GRASSING	424.52
163-0240	3	TN	212.17	MULCH	636.51
163-0300	2	EA	1032.94	CONSTRUCTION EXIT	2065.88
165-0010	600	LF	1.02	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	612.00
165-0101	2	EA	339.66	MAINTENANCE OF CONSTRUCTION EXIT	679.32
171-0010	1200	LF	1.66	TEMPORARY SILT FENCE, TYPE A	1992.00
700-6910	1	AC	736.02	PERMANENT GRASSING	736.02
700-7000	1	TN	53.88	AGRICULTURAL LIME	53.88
700-7010	3	GL	17.58	LIQUID LIME	52.74
700-8000	1	TN	236.35	FERTILIZER MIXED GRADE	236.35
Section Sub Total:					\$7,489.22

Total Estimated Cost: \$232,828.47