

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0008625, Fulton County **OFFICE** Preconstruction
CSMSL-0008-00(625)
SR 400 Noise Barriers from Northland Drive to
Glenridge Perimeter Center **DATE** June 23, 2008

FROM  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.

Attachment

DISTRIBUTION:

Brian Summers
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Ben Buchan
Paul Liles
Bryant Poole
Mike Lobdell
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0008625, Fulton County
CSMSL-0008-00(625)
SR 400 Noise Barriers from Northland Drive to
Glenridge Perimeter Connector

OFFICE: Preconstruction

DATE: June 16, 2008

Genetha Rice
FROM: Genetha Rice-Singleton, Assistant Director of Preconstruction

TO: Gerald M. Ross, P.E., Chief Engineer

SUBJECT: PROJECT CONCEPT REPORT

This project is the installation of 0.23 miles of noise barrier walls on the west side of SR 400 to fill the gap between the two existing noise barrier walls to the north and south of this project. The limits of the project are from State Route BMP 5.86 to State Route EMP 6.09. The primary purpose of the project is to provide a reduction in noise. The noise impact will continue to deteriorate as traffic grows if the noise barrier is not implemented. State Route 400 in Fulton County is functionally classified as an urban Freeway and the posted speed is 55 MPH. The current year (2007) traffic count is 113,090 VPD.

Environmental concerns include requiring a COE 404 permit; Categorical Exclusion will be prepared; a Public hearing is not required; Time saving procedures is appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C)	\$ 782,000	\$ 700,000	6047	2008
Right-of-way & utilities *	-0-	-0-		

* Notification letter sent to Sandy Springs 9-28-07.

I recommend this project concept be approved.

CONCUR

Todd I. Long

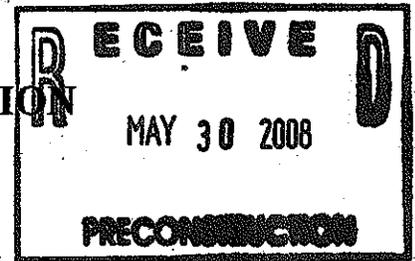
Todd I. Long, P.E., Director of Preconstruction

APPROVED

Gerald M. Ross

Gerald M. Ross, P.E., Chief Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

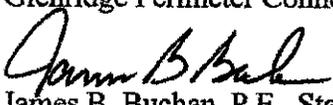


INTERDEPARTMENT CORRESPONDENCE

FILE CSMSL-0008-00(625) Fulton County
P.I. 0008625
S.R. 400 Noise Barriers from Northland Drive to
Glenridge Perimeter Connector

OFFICE Urban Design

DATE May 16, 2008

FROM 
James B. Buchan, P.E., State Urban Design Engineer

TO Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT Project Concept Report

Attached is the original copy of the Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP). If you have any additional questions, please contact Neal O'Brien or Jill Franks at (404)656-5442.

⁵⁷⁰
JBB:IG

cc: Brian Summers, P.E.
Glenn Bowman, P.E.
Keith Golden, P.E.
Angela T. Alexander
Jamie Simpson
Bryant Poole
Paul Liles, P.E.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Urban Design



PROJECT CONCEPT REPORT

S.R. 400 Noise Barriers from Northland Drive to Glenridge Perimeter Connector

Project Number: CSMSL-0008-00(625)

County: Fulton

P. I. Number: 0008625

Federal Route Number: NH561

State Route Number: 400

County Route Number: N/A

Recommendation for approval:

DATE 5-16-08

DATE 5-19-08



Project Manager


Office Head/District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Plan (RTP) and the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

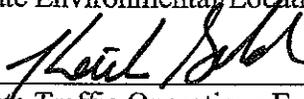
DATE _____

Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE 5-29-08



State Traffic Operations Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Urban Design

PROJECT CONCEPT REPORT

S.R. 400 Noise Barriers from Northland Drive to Glenridge Perimeter Connector

Project Number: CSMSL-0008-00(625)

County: Fulton

P. I. Number: 0008625

Federal Route Number: NH561

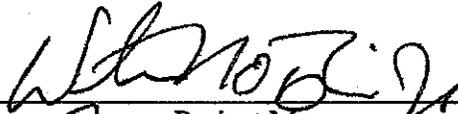
State Route Number: 400

County Route Number: N/A

Recommendation for approval:

DATE 5-16-08

DATE 5-19-08

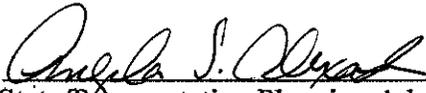


Project Manager


Office Head/District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Plan (RTP) and the State Transportation Improvement Program (STIP).

DATE 5-29-2008



State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0008625

OFFICE: Environment/Location

PROJECT No. CSMSL-0008-00(625) / FULTON
County

DATE: 6/17/08

SR 400 Noise Barriers from Northland Drive to Glenridge Perimeter Connector

FROM:  Glenn Bowman, P.E., State Environmental/Location Engineer

TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT: PROJECT CONCEPT REPORT REVIEW

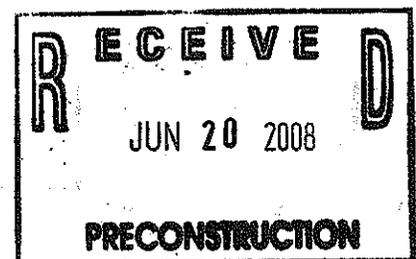
The Concept Report for the above project has been reviewed and appears satisfactory subject to the following comments:

1. There are no known cultural resources that are located within the project's area of potential effects.
2. The last sentence of the first paragraph in the Need and Purpose should probably be deleted since the wall will only reduce the noise impact and not eliminate or prevent future growth of noise impacts?
3. Since this is not a federally funded project, a CE would not be applicable (Page 4). As a solely state funded project, it will likely require a GEPA Type B letter. For public involvement, the Concept Report says TBD. This needs to be decided soon in order to make the schedule currently envisioned by the PM.
4. SR 400 crosses a stream in the area of this project. If it is impacted, then a Section 404 permit will be required. Also, if the buffer of the stream is impacted, a variance will be required. Both of these would have a bearing on the schedule.
5. Design variances currently says, "None" (Page 4). If this Noise Barrier project does not comply with TOPPS 4415-11, then a variance would be required.

If you have any questions, please contact Glenn Bowman at (404) 699-4401.

GB:lc

cc: Brian Summers
Jamie Simpson
Keith Golden
Angela Alexander
Ben Buchan
Bryant Poole
Paul Liles



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Urban Design

PROJECT CONCEPT REPORT

S.R. 400 Noise Barriers from Northland Drive to Glenridge Perimeter Connector

Project Number: CSMSL-0008-00(625)

County: Fulton

P. I. Number: 0008625

Federal Route Number: NH561

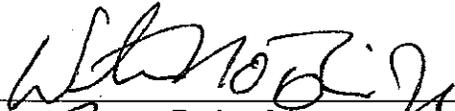
State Route Number: 400

County Route Number: N/A

Recommendation for approval:

DATE 5-16-08

DATE 5-19-08



Project Manager


Office Head/District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Plan (RTP) and the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE 6/18/08



State Environmental/Location Engineer

DATE _____

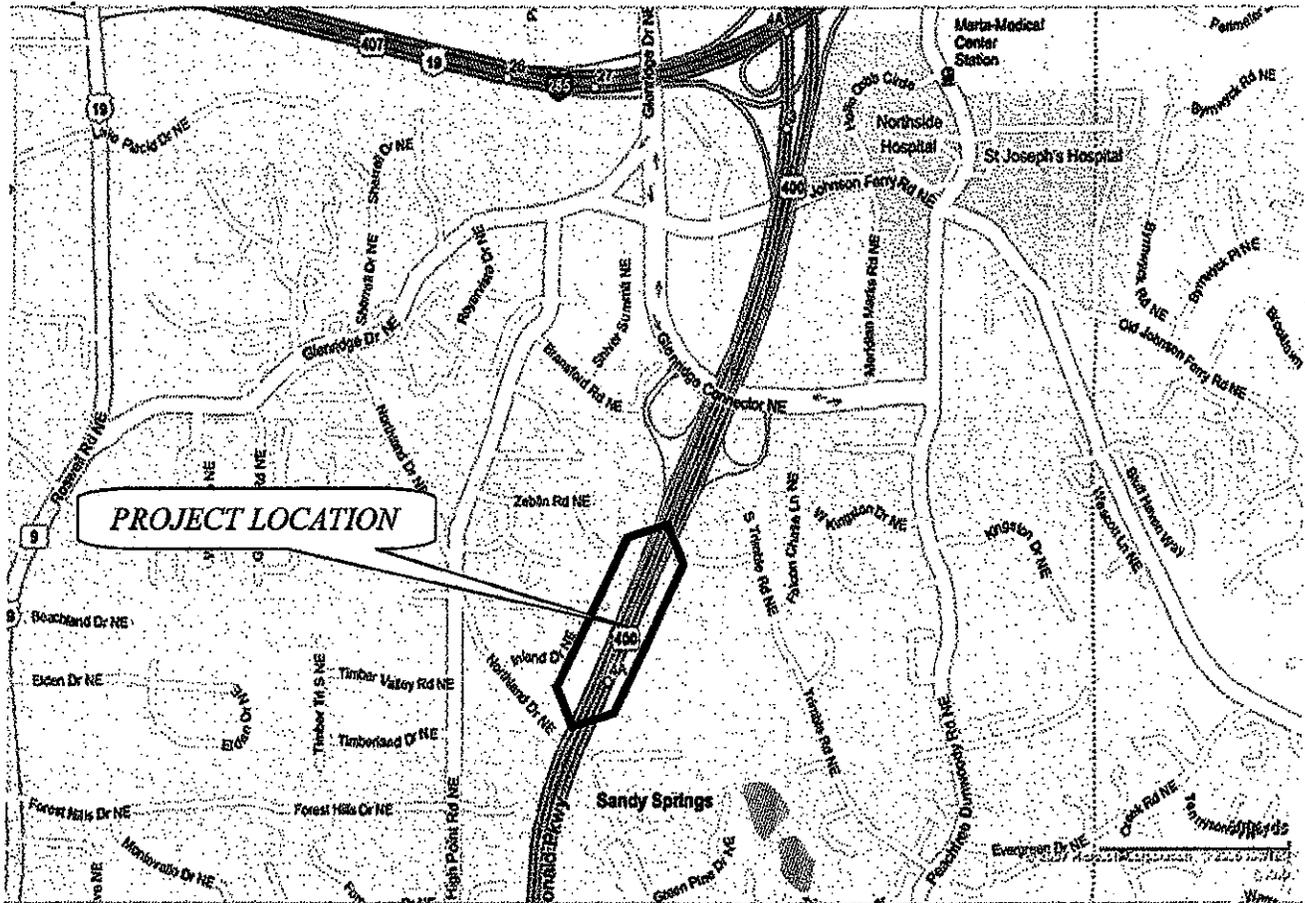
State Traffic Operations Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer



LOCATION MAP
 PROJECT: CSMSL-0008-00(625)
 P.I. No.: 0008625

Concept Report
Project No.: CSMSL-0008-00(625)
P.I. No.: 0008265
County: Fulton

Need and Purpose: The need of the proposed improvement is due to the noise impact caused by the traffic to the surrounding residential environment. The primary purpose of this project is to provide a reduction in noise on the west side of S.R. 400 from Northland Drive to Glenridge Perimeter Connector. The impact will continue to grow if the noise barrier is not implemented.

S.R. 400 in Fulton County is functionally classified as an Urban Freeway and Expressway. The posted speed limit is 55 MPH. The current year 2007 traffic count is 113,090 AADT.

Description of the proposed project: This project proposes to construct 0.23 miles of noise barrier walls on the west side of S.R. 400 to fill the gap between two existing noise barrier walls to the north and south of this proposed project. This project is located 100% in Congressional District 5 in Fulton County, Georgia. The limits of the project are from State Route BMP (beginning mile post) 5.86 to State Route EMP (ending mile post) 6.09.

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

PDP Classification: Major _____ Minor

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

Functional Classification: Urban Freeway and Expressway

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

State Route Number(s): 400

Existing design features:

Typical Section (Ramp Section): One 16 feet lane ramp with paved shoulder that varies from 5 to 10 feet, along with v-gutter and guardrail.

Posted speed: 55 mph Maximum radius of curve: N/A

Maximum grade: N/A

Width of right of way: 300'

Major structures: DOUBLE 6'X10' CONCRETE CULVERT

Major interchanges or intersections along the project: N/A

Existing length of roadway segment: 0.23 miles

State Route Mile Post Reference: S.R. 400 → Begin M.P. 5.86; End M.P. 6.09

Proposed Design Features: NOISE BARRIER

Proposed typical section(s): The proposed typical will maintain the existing typical that consist of one 16 feet lane ramp with paved shoulder that varies from 5 to 10 feet, along with v-gutter and guardrail and added noise barrier walls. The proposed noise barrier walls will connect the gap between the two existing noise barrier walls along the corridor on the west side of S.R. 400.

Concept Report
Project No.: CSMSL-0008-00(625)
P.I. No.: 0008265
County: Fulton

Proposed Maximum grade Mainline: N/A Maximum grade allowable N/A
 Proposed Maximum grade Side Street: N/A Maximum grade allowable: N/A
 Proposed Minimum radius: N/A Maximum Radius allowable: N/A
 Right of way Width: 300- foot (estimated)
 Easements: Temporary (), Permanent (X), Utility (), Other ().
 Type of access control: Full (X), Partial (), By Permit (), other ()
 Number of parcels: 0 Number of displacements: 0
 Structures: None
 Major intersections and interchanges: None
 Traffic control during construction: Constructed under traffic
 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: TBD

Project responsibilities:

Design: GDOT
 Right of Way Acquisition: None
 Relocation of Utilities: GDOT
 Letting to contract: GDOT
 Supervision of construction: GDOT
 Providing material pits: Contractor
 Providing detours: N/A

Coordination

CTM DATE – Will not be conducted.
 FEMA, USCG, and/or TVA - None

Concept Report
Project No.: CSMSL-0008-00(625)
P.I. No.: 0008265
County: Fulton

FEMA, USCG, and/or TVA - None
Public involvement. - TBD
Local government comments. - None
Other projects in the area. - None
Other coordination to date - N/A
Railroads - N/A

Scheduling – Responsible Parties’ Estimate

Time to complete the environmental process:	5 Months.
Time to complete preliminary construction plans:	3 Months.
Time to complete right of way plans:	0 Months.
Time to complete the Section 404 Permit:	0 Months.
Time to complete final construction plans:	2 Months.
Time to complete to purchase right of way:	0 Months.
List other major items that will affect the project schedule:	N/A Months.

Other alternates considered: 1. Concrete Side Barrier eliminated because of higher cost.

Attachments:

Notice of Location & Design Approval
Cost Estimate (Guardrail Alternate & Side Barrier Alternate)
Corridor Layout
Typical Section

Prepared by: Nebiat Abraham

Concept Report
Project No.: CSMSL-0008-00(625)
P.I. No.: 0008265
County: Fulton

NOTICE OF LOCATION AND DESIGN APPROVAL

CSMSL-0008-00(625)

P.I. No. 0008625

Notice is hereby given in compliance with Georgia Code 22-2-19 that the Georgia Department of Transportation has approved the Location and Design of the above project.

The project lies entirely within Fulton County and within Congressional District 5, Land District 17, Land Lot 39, and GMD 1100.

Date of Location and Design Approval JUNE 23, 2008

This project proposes to construct 0.23 miles of Noise Barriers on the west side of S.R. 400 from Northland Drive to Glenridge Perimeter Connector in Fulton County. Drawings of maps or plats of the proposed project, as approved, are on file and are available for inspection at the Georgia Department of Transportation:

Persephone Goodwin, Area Engineer
Georgia Department of Transportation
21 Claire Drive
Atlanta, GA 30315
TEL: (770) 528-3238/3416
FAX: (770) 528-5506
PGoodwin@dot.ga.gov

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

James B. Buchan P.E., State Urban Design Engineer
Georgia Department of Transportation
2 Capitol Square,
Atlanta, Georgia 30334-1002
TEL: (404) 656 5436
FAX: (404) 657 7921
BBuchan@dot.ga.gov

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 page

Concept Report
Project No.: CSMSL-0008-00(625)
P.I. No.: 0008265
County: Fulton

SUMMARY

Date: 13-May-08
 Project # CSMSL-0008-00(625)
 County: Fulton
 Project Description: S.R. 400 Noise Barriers from Northland Drive to Glennridge Perimeter Connector
 PI # 8625
 Alternate: Guardrail
 Estimate For Concept Report

CONSTRUCTION COST (with 20% markup)	\$704,500.00	COMMENTS
ENGINEERING & INSPECTION (5%)	\$35,225.00	SEE ATTACHED CONSTRUCTION COST ESTIMATE
CONSTRUCTION CONTINGENCY (6%)	\$42,270.00	<u>OTHER ENHANCEMENT</u> <i>sk</i>
UTILITY COST	\$0.00	
UTILITY CONTINGENCY (30%)	\$0.00	

TOTAL \$782,000.00

Estimate Report for file "PI0008625 (SRNOISEBARRIERVGUTTER)"

Section ROADWAY QUANTITIES					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	30000.00	TRAFFIC CONTROL - CSMSL-0008-00(625)	30000.00
150-5010	1	EA	12201.04	TRAFFIC CONTROL, PORTABLE IMPACT ATTENUATOR	12201.04
210-0100	1	LS	121000.00	GRADING COMPLETE - CSMSL-0008-00(625)	121000.00
441-3999	1050	LF	24.04	CONCRETE V GUTTER	25242.00
500-3200	7	CY	466.58	CLASS B CONCRETE	3266.06
620-0100	1100	LF	38.72	TEMPORARY BARRIER, METHOD NO. 1	42592.00
641-1100	49	LF	42.44	GUARDRAIL, TP T	2079.56
641-1200	1050	LF	15.31	GUARDRAIL, TP W	16075.50
641-5012	1	EA	1821.59	GUARDRAIL ANCHORAGE, TP 12	1821.59
Section Sub Total:					\$254,277.75

Section SOUND BARRIER					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
624-0410	16660	SF	20.00	SOUND BARRIER	333200.00
Section Sub Total:					\$333,200.00

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	1	AC	728.93	TEMPORARY GRASSING	728.93
163-0240	1	TN	181.22	MULCH	181.22
163-0300	2	EA	1807.17	CONSTRUCTION EXIT	3614.34
163-0550	12	EA	230.68	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	2768.16
165-0010	657	LF	0.74	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	486.18
165-0101	2	EA	531.92	MAINTENANCE OF CONSTRUCTION EXIT	1063.84
165-0105	12	EA	81.41	MAINTENANCE OF INLET SEDIMENT TRAP	976.92
171-0010	1313	LF	1.59	TEMPORARY SILT FENCE, TYPE A	2087.67
Section Sub Total:					\$11,907.26

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	1	AC	1022.21	PERMANENT GRASSING	1022.21
700-7000	1	TN	59.39	AGRICULTURAL LIME	59.39
700-7010	1	GL	21.47	LIQUID LIME	21.47
700-8000	1	TN	291.02	FERTILIZER MIXED GRADE	291.02
700-8100	3	LB	2.40	FERTILIZER NITROGEN CONTENT	7.20
716-2000	2447	SY	1.09	EROSION CONTROL MATS, SLOPES	2667.23
Section Sub Total:					\$4,068.52

Section DRAINAGE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
441-0204	290	SY	36.30	PLAIN CONC DITCH PAVING, 4 IN	10527.00
550-1180	620	LF	40.19	STORM DRAIN PIPE, 18 IN, H 1-10	24917.80
550-4218	6	EA	653.91	FLARED END SECTION 18 IN, STORM DRAIN	3923.46
668-2100	16	EA	2402.61	DROP INLET, GP 1	38441.76
668-2110	47	LF	334.44	DROP INLET, GP 1, ADDL DEPTH	15718.68
668-4300	2	EA	2306.54	STORM SEWER MANHOLE, TP 1	4613.08
668-4311	9	LF	321.62	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	2894.58
Section Sub Total:					\$101,036.36

Total Estimated Cost: \$704,489.89

CONCRETE SIDE BARRIER ALT.

Estimate Report for file "PI0008625(SR400NBSIDEBARRIER)"

Section ROADWAY QUANTITIES					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	30000.00	TRAFFIC CONTROL - CSMSL-0008-00(625)	30000.00
150-5010	1	EA	12201.04	TRAFFIC CONTROL, PORTABLE IMPACT ATTENUATOR	12201.04
210-0100	1	LS	106000.00	GRADING COMPLETE - CSMSL-0008-00(625)	106000.00
500-3200	3	CY	466.58	CLASS B CONCRETE	1399.74
620-0100	1110	LF	38.72	TEMPORARY BARRIER, METHOD NO. 1	42979.20
621-4020	1101	LF	304.35	CONCRETE SIDE BARRIER, TYP2	335089.35
641-1100	21	LF	42.44	GUARDRAIL, TP T	891.24
Section Sub Total:					\$528,560.57

Section SOUND BARRIER					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
624-0410	16660	SF	20.00	SOUND BARRIER	333200.00
Section Sub Total:					\$333,200.00

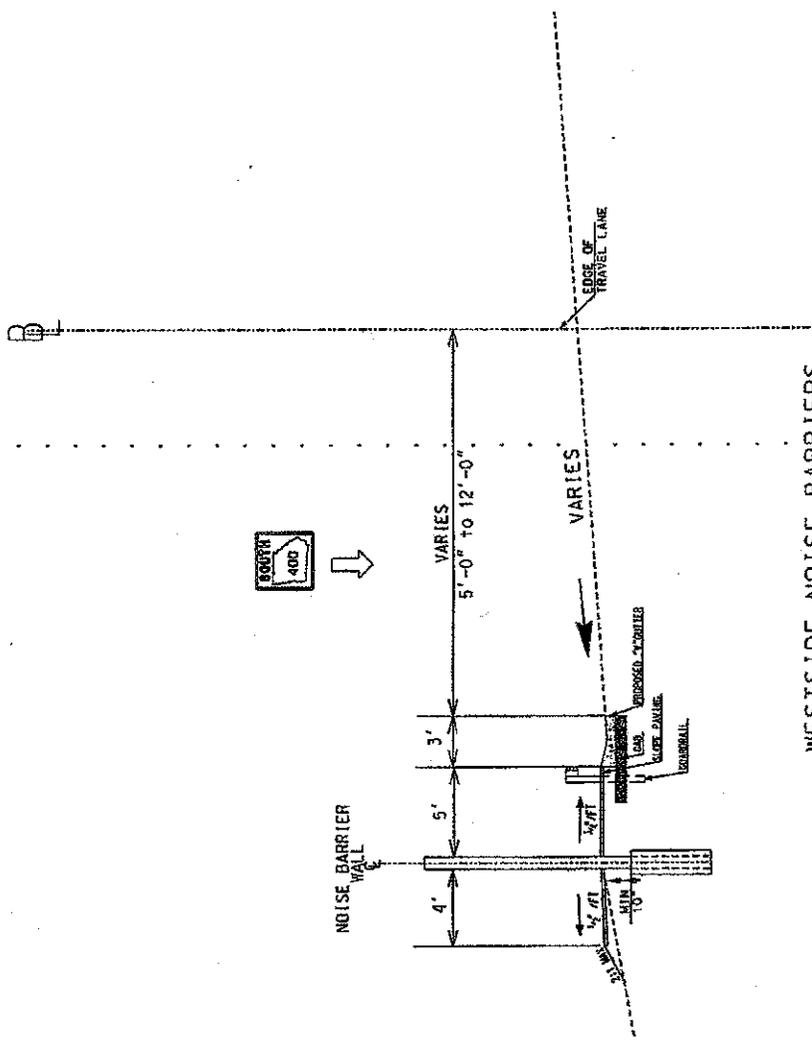
Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	1	AC	728.93	TEMPORARY GRASSING	728.93
163-0240	1	TN	181.22	MULCH	181.22
163-0300	2	EA	1807.17	CONSTRUCTION EXIT	3614.34
163-0550	11	EA	230.68	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	2537.48
165-0010	657	LF	0.74	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	486.18
165-0101	2	EA	531.92	MAINTENANCE OF CONSTRUCTION EXIT	1063.84
165-0105	11	EA	81.41	MAINTENANCE OF INLET SEDIMENT TRAP	895.51
171-0010	1313	LF	1.59	TEMPORARY SILT FENCE, TYPE A	2087.67
Section Sub Total:					\$11,595.17

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	1	AC	1022.21	PERMANENT GRASSING	1022.21
700-7000	1	TN	59.39	AGRICULTURAL LIME	59.39
700-7010	1	GL	21.47	LIQUID LIME	21.47
700-8000	1	TN	291.02	FERTILIZER MIXED GRADE	291.02
700-8100	1	LB	2.40	FERTILIZER NITROGEN CONTENT	2.40
Section Sub Total:					\$1,396.49

Section DRAINAGE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
550-1180	650	LF	40.19	STORM DRAIN PIPE, 18 IN, H 1-10	26123.50
550-4218	3	EA	653.91	FLARED END SECTION 18 IN, STORM DRAIN	1961.73
668-2100	11	EA	2402.61	DROP INLET, GP 1	26428.71
Section Sub Total:					\$54,513.94

Total Estimated Cost: \$929,266.17

TYPICAL SECTIONS



WESTSIDE NOISE BARRIERS
 FROM STA. # 11+13.77 TO 23+33.59

GEORGIA DEPARTMENT OF TRANSPORTATION	NOT TO SCALE	REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE - URBAN DESIGN	S. R. 400 NOISE BARRIER	DATE: 5-01
		TYPICAL SECTIONS	S. R. 400 NOISE BARRIER	DATE: 5-01	