

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 422570-, Dougherty County **OFFICE** Preconstruction
NH-006-2(57)
SR 3/Liberty Expressway at SR 133/Moultrie Road **DATE** January 2, 2007
FROM *John Kunkel*
Genetha Rice-Singleton, Assistant Director of Preconstruction
TO *for* SEE DISTRIBUTION

SUBJECT APPROVED NOTICE OF LOCATION AND DESIGN

Attached for your further handling is the approved Location and Design Report on the above subject project.

Also attached is the Notice of Location and Design Approval. This is authorization for the District to proceed with advertisement.

GRS/cj

Attachment

DISTRIBUTION:

Brian Summers
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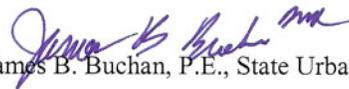
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: NH-006-2 (57), Dougherty County
SR3/Liberty Expressway at SR 133/Moultrie Road
P.I. No. 422570

OFFICE: Urban Design

DATE: December 4, 2006

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

TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT: Request for Location and Design Approval

Description and Project Proposal: Project NH-006-2(57) converts the existing cloverleaf interchange of SR 3/Liberty Expressway with SR 133/Moultrie Road to a Parclo A interchange. The northeast and southwest loop ramps will be removed, while adding a left-turn lane to the southbound and northbound exit ramps, and median openings and signals on Moultrie Road at the two new ramp terminals. The northbound to eastbound exit ramp will be shifted to the west to increase the weaving distance between the interchange and a truck terminal just east of the interchange. Widening both sides of the Moultrie Road bridge over Liberty Expressway will lengthen the deceleration lanes and separate them from through lanes with a concrete barrier to improve safety. All proposed improvements are accomplished within existing right-of-way.

Concept Approval Date: June 28, 2001

Environmental Assessment and Reassessment Approval Date: The NEPA Categorical Exclusion was signed off on August 29, 2006.

Public Involvement: No PIOH was necessary since no additional right-of way is needed.

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

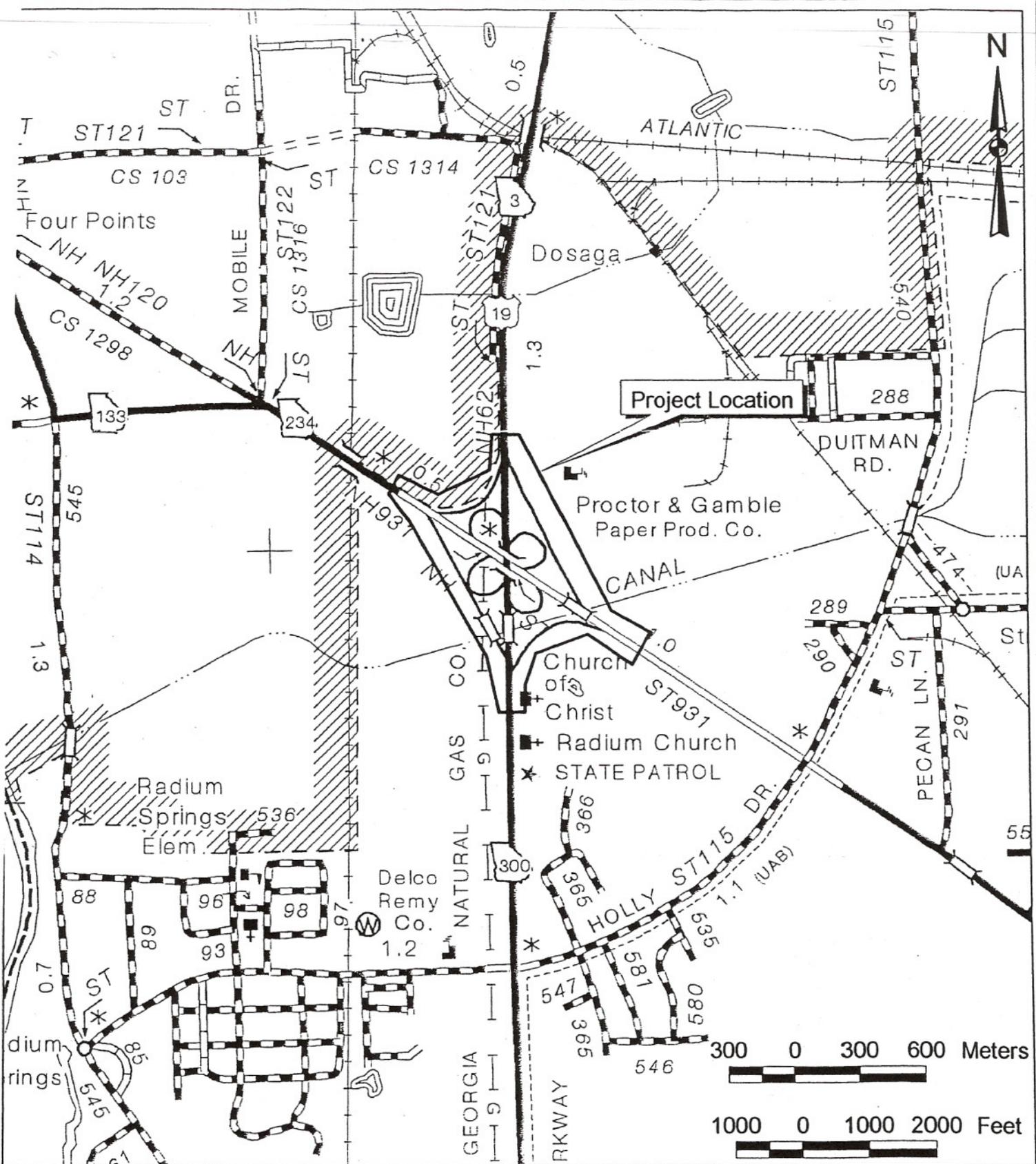
RECOMMEND: 
Director of Preconstruction

APPROVE: 
Chief Engineer

12/19/06
Date of Approval

Attachments:

- Sketch Map
- Cost Estimate
- Notice of Location and Design Approval



SOURCE: GDOT GENERAL HIGHWAY MAP OF DOUGHERTY COUNTY, GA

Liberty Expressway/Moultrie Road Interchange
Dougherty County
NH-006-2 (57)
Project Location

Date: April 2006
Scale: 1:24,000
P.I. No.: 422570
Figure 1

Estimate Report for file "NH-006-2(57)"**Section ROADWAY**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	500000.00	TRAFFIC CONTROL - NH-006-2(57)	500000.00
150-9011	500	HR	65.00	TRAFFIC CONTROL - WORKZONE LAW ENFORCEMENT (CONTRACTOR BIDS)	32500.00
210-0100	1	LS	500000.00	GRADING COMPLETE - NH-006-2(57)	500000.00
310-1101	8000	TN	30.00	GR AGGR BASE CRS, INCL MATL	240000.00
400-3130	575	TN	85.00	ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL POLYMER-MODIFIED BITUM MATL & H LIME	48875.00
402-1812	250	TN	80.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	20000.00
402-3121	230	TN	80.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	18400.00
402-3190	2261	TN	80.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	180880.00
413-1000	250	GL	2.00	BITUM TACK COAT	500.00
439-0022	6050	SY	89.50	PLAIN PC CONC PVMT, CL 3 CONC, 10 INCH THK	541475.00
441-0740	1087	SY	37.50	CONCRETE MEDIAN, 4 IN	40762.50
610-1050	2	EA	475.00	REM GUARDRAIL IMPACT ATTENUATOR	950.00
622-1070	800	LF	50.00	PRECAST CONCRETE MEDIAN BARRIER, METHOD 5	40000.00
641-1100	100	LF	47.00	GUARDRAIL, TP T	4700.00
641-1200	2425	LF	35.00	GUARDRAIL, TP W	84875.00
641-5001	5	EA	650.00	GUARDRAIL ANCHORAGE, TP 1	3250.00
641-5012	5	EA	1850.00	GUARDRAIL ANCHORAGE, TP 12	9250.00

Section Sub Total: \$2,266,417.50**Section DRAINAGE**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
441-0204	30	SY	36.00	PLAIN CONC DITCH PAVING, 4 IN	1080.00

Section Sub Total: \$1,080.00**Section CULVERT**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
204-0001	5177	CY	16.00	CHANNEL EXCAVATION	82832.00
207-0203	2946	CY	40.23	FOUND BKFILL MATL, TP II	118517.58
441-0600	240	CY	860.00	CONC HEADWALLS	206400.00
500-3101	1285	CY	585.57	CLASS A CONCRETE	752457.45
511-1000	179232	LB	3.00	BAR REINF STEEL	537696.00

Section Sub Total: \$1,697,903.03**Section EROSION CONTROL - Permanent**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2012	50	SY	35.00	STN DUMPED RIP RAP, TP 1, 12 IN	1750.00
700-6910	12	AC	831.15	PERMANENT GRASSING	9973.80
700-7000	10	TN	58.94	AGRICULTURAL LIME	589.40
700-7010	25	GL	18.60	LIQUID LIME	465.00
700-8000	2	TN	287.59	FERTILIZER MIXED GRADE	575.18
700-8100	50	LB	1.68	FERTILIZER NITROGEN CONTENT	84.00
702-9020	12	SY	3.54	MULCH	42.48
710-9000	5909	SY	4.35	PERMANENT SOIL REINFORCING MAT	25704.15
715-2200	10968	SY	2.32	BITUMINOUS TREATED ROVING, WATERWAYS	25445.76

Section Sub Total: \$64,629.77**Section EROSION CONTROL - Temporary**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	10	AC	519.89	TEMPORARY GRASSING	5198.90
163-0240	10	TN	203.83	MULCH	2038.30
163-0300	2	EA	1810.59	CONSTRUCTION EXIT	3621.18
165-0010	125	LF	1.22	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	152.50
165-0030	4328	LF	1.34	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	5799.52
165-0101	2	EA	481.12	MAINTENANCE OF CONSTRUCTION EXIT	962.24
167-1000	2	EA	2903.35	WATER QUALITY MONITORING AND SAMPLING	5806.70
171-0010	250	LF	1.93	TEMPORARY SILT FENCE, TYPE A	482.50
171-0030	8656	LF	4.45	TEMPORARY SILT FENCE, TYPE C	38519.20
643-8200	300	LF	2.08	BARRIER FENCE (ORANGE), 4 FT	624.00

Section Sub Total: \$63,205.04

Section SIGNING & MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	109	SF	14.35	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	1564.15
636-1033	139	SF	23.00	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	3197.00
636-2070	466	LF	7.41	GALV STEEL POSTS, TP 7	3453.06
652-5451	3000	LF	0.15	SOLID TRAFFIC STRIPE, 5 IN, WHITE	450.00
652-5452	2800	LF	0.16	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	448.00
652-9001	300	SY	1.92	TRAFFIC STRIPE, WHITE	576.00
653-0120	10	EA	63.09	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	630.90
653-0210	2	EA	101.82	THERMOPLASTIC PVMT MARKING, WORD, TP 1	203.64
654-1003	46	EA	3.78	RAISED PVMT MARKERS TP 3	173.88
655-5000	3	EA	283.21	PVMT ARROW, THERMOPLASTIC, WITH RAISED REFLECTORS	849.63
657-1054	4240	LF	3.56	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	15094.40
657-1104	240	LF	6.79	PREFORMED PLASTIC SOLID PVMT MKG, 10 IN, WHITE, TP PB	1629.60
657-5014	2	EA	521.61	PREFORMED PLASTIC PVMT MKG, WORDS AND/OR SYM, WHITE, TP PB	1043.22
657-6054	4240	LF	3.78	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	16027.20
Section Sub Total:					\$45,340.68

Section SIGNALS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
639-4004	8	EA	10000.00	STRAIN POLE, TP IV	80000.00
647-1000	1	LS	50000.00	TRAFFIC SIGNAL INSTALLATION NO - 1	50000.00
647-1000	1	LS	50000.00	TRAFFIC SIGNAL INSTALLATION NO - 2	50000.00
647-2140	2	EA	1309.89	PULL BOX, PB-4	2619.78
647-2150	2	EA	1762.92	PULL BOX, PB-5	3525.84
682-6233	1600	LF	5.01	CONDUIT, NONMETL, TP 3, 2 IN	8016.00
935-1113	2000	LF	1.85	OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 24 FIBER	3700.00
935-3103	2	EA	704.77	FIBER OPTIC CLOSURE, UNDERGROUND, 24 FIBER	1409.54
935-4010	4	EA	37.35	FIBER OPTIC SPLICE, FUSION	149.40
935-5050	1	EA	72.25	FIBER OPTIC PATCH CORD, SM	72.25
935-6562	2	EA	1597.40	EXTERNAL TRANSCEIVER, DROP AND REPEAT, 1310 SINGLE MODE, (SIGNAL JOBS)	3194.80
935-8000	1	LS	4403.57	TESTING	4403.57
Section Sub Total:					\$207,091.18

Total Estimated Cost: \$4,345,667.20

Subtotal Construction Cost \$4,345,667.20

E&C Rate 10.0 % \$434,566.72

Inflation Rate 0.0 % @ 0.0 Years \$0.00

Total Construction Cost \$4,780,233.92

Right Of Way \$0.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$4,780,233.92

NOTICE OF LOCATION AND DESIGN APPROVAL

**NH-0006-2(57), DOUGHERTY COUNTY
P. I. No. 422570**

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.

Date of Location and Design Approval: JANUARY 2, 2007

Project NH-0006-2(57) converts the existing cloverleaf interchange of SR 3/Liberty Expressway with SR 133/Moultrie Road to a Parclo A interchange. The northeast and southwest loop ramps will be removed, while adding a left-turn lane to the southbound and northbound exit ramps, and median openings and signals on Moultrie Road at the two new ramp terminals. The northbound to eastbound exit ramp will be shifted to the west to increase the weaving distance between the interchange and a truck terminal just east of the interchange. Widening both sides of the Moultrie Road bridge over Liberty Expressway will lengthen the deceleration lanes and separate them from through lanes with a concrete barrier to improve safety. All proposed improvements are accomplished within existing right-of-way.

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.

**Albert V. Shelby, Office of Urban Design
Department Of Transportation
No. 2 Capitol Square
Atlanta, Georgia 30334
(404) 656-5436
Albert.Shelby@dot.state.ga.us**

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:

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Albert.Shelby@dot.state.ga.us**

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

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