

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE**

FILE P.I. #0010571

OFFICE Design Policy & Support

Dougherty & Lee Counties
GDOT District 4 - Tifton
Westover Boulevard Extension - includes
Roundabout & Liberty Expressway Bridges

DATE 10/26/2016

FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

DISTRIBUTION:

Hiral Patel, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Darryl VanMeter, State Innovative Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Eric Duff, State Environmental Administrator
Bill DuVall, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Richard Cobb, Location Bureau Chief
Chad Hartley, District Engineer
Brent Thomas, District Preconstruction Engineer
Dennis Carter, District Planning & Programming Engineer
Clifford Webb, Area Engineer - D4, A5
Cleopatra James, Project Manager
BOARD MEMBER - 2nd Congressional District

13; Matthew Inman, Lee County Board of Commissioners; Ron Rowe, Albany Fire Department; and, Rubin Jordan, Albany Fire Department. A total of 6 comments were received, 5 in support of the project and 1 conditional. No major concerns or significant comments were received during the public comment period and no significant changes were made to the project as a result of the comments received.

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.

Concur: Hial Buel
GDOT Director of Engineering

Approve: Margaret B. Purkle 10.21.16
GDOT Chief Engineer Date

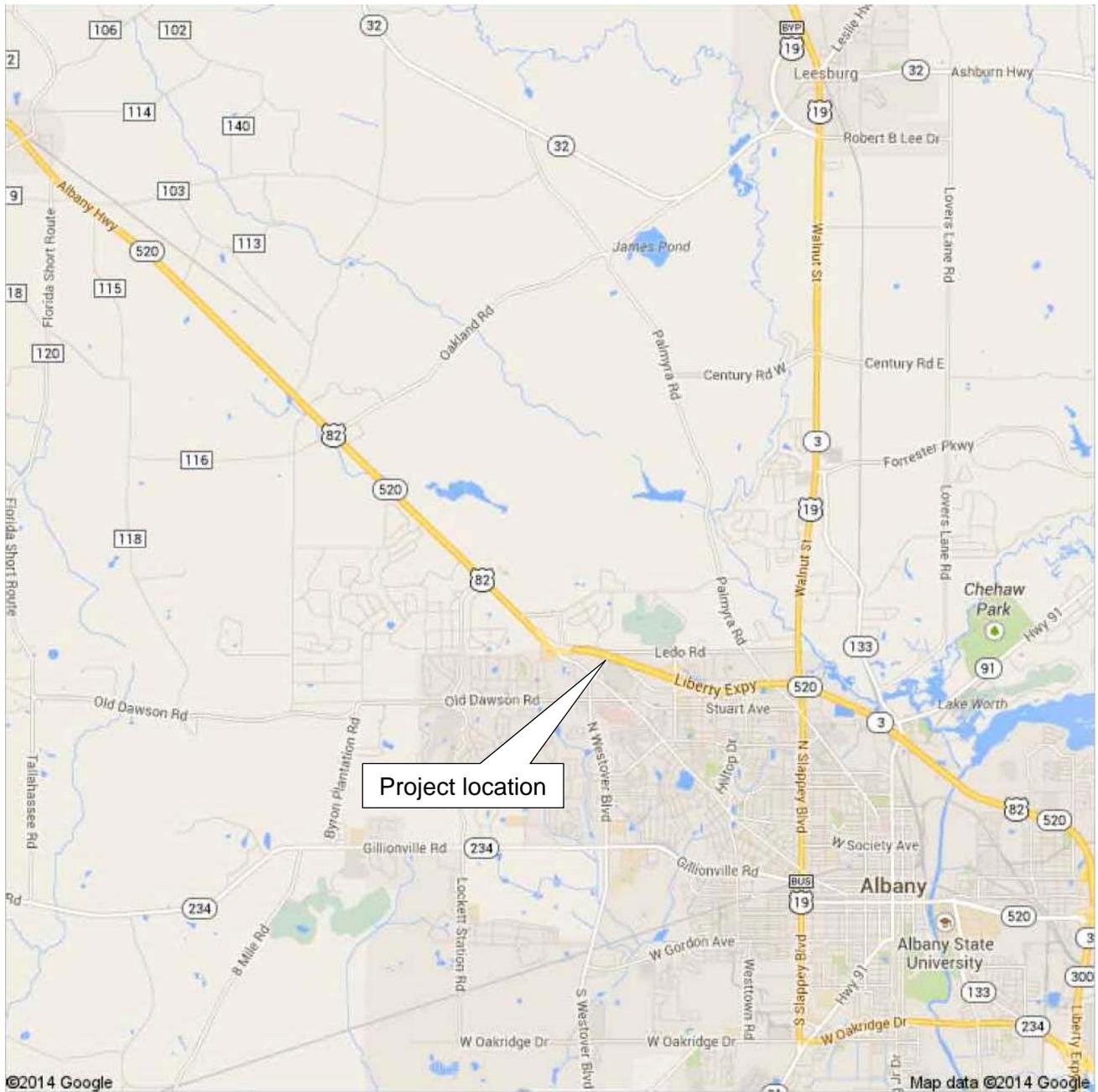
DATE OF LOCATION AND DESIGN APPROVAL: October 26, 2016

AVS:CLB:KESD:ccj

Attachments:

- Sketch Map
 - Construction Cost Estimate
 - Notice of Location and Design Approval
 - Other attachments as needed
-

PROJECT LOCATION MAP



**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0010571 **OFFICE** Program Delivery

PROJECT DESCRIPTION

WESTOVER BLVD FROM ALBANY MALL TO N OF LEDO ROAD

DATE August 26, 2016

Chandria L. Brown for

From: Albert Shelby III, State Program Delivery Engineer

To: Lisa L. Myers, State Project Review Engineer
via Email Mailbox: CostEstimatesandUpdates@dot.ga.gov

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Cleopatra James

MGMT LET DATE 2/15/2018

MGMT ROW DATE 12/9/2016

PROGRAMMED COSTS (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$ 12,047,521.00

DATE 12/28/2015

RIGHT OF WAY \$ 1,106,000.00

DATE 12/28/2015

UTILITIES \$

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$ 15,464,375.82

RIGHT OF WAY \$ 1,106,000.00

UTILITIES \$ 38,500.00

*Cost Contains 5 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

The cost increase for Construction and Utilities is due to more accurate costs defined based on the latest available plans during Preliminary Engineering. A contingency of 5% was determined using the Risk-base Cost Estimation guide for "New Construction" at PFPR. The Right-of-Way estimate is a no change.

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	13,850,921.60	Base Estimate From CES
B. ENGINEERING AND INSPECTION (E & I):	\$	692,546.08	Base Estimate (A) x 5 %
C. CONTINGENCY:	\$	727,173.38	Base Estimate (A) + E & I (B) x 5 % See % Table in "Risk Based Cost Estimation" Memo
D. TOTAL LIQUID AC ADJUSTMENT:	\$	193,734.76	Total From Liquid AC Spreadsheet
E. CONSTRUCTION TOTAL:	\$	15,464,375.82	(A + B + C + D = E)

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
Georgia Power Company (Dist)	\$ 38,500.00
TOTAL	\$ 38,500.00

ATTACHMENTS: (File Copy in the Project Cost Estimate Folder)

- Detailed Cost Estimate Printout
- Liquid AC Adjustment Spreadsheet
- Utilities Cost Estimate

Westover Blvd From Albany Mall to N of Ledo Road

PROJ. NO. N/A
 P.I. NO. 0010571
 DATE 8/22/2016

CALL NO. 0/00/2016

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Aug-16	\$ 1.989
DIESEL		\$ 2.299
LIQUID AC		\$ 348.00

Link to AC Index:
<http://www.dot.ga.gov/PS/Materials/AsphaltFuelIndex>

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

Asphalt					
Price Adjustment (PA)				189788.76	\$ 189,788.76
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$ 556.80		
Monthly Asphalt Cement Price month project let (APL)			\$ 348.00		
Total Monthly Tonnage of asphalt cement (TMT)				908.95	

ASPHALT	Tons	%AC	AC ton
Leveling		5.0%	0
12.5 OGFC		5.0%	0
12.5 mm	3056	5.0%	152.8
9.5 mm SP		5.0%	0
25 mm SP	10370	5.0%	518.5
19 mm SP	4753	5.0%	237.65
	18179		908.95

BITUMINOUS TACK COAT

Price Adjustment (PA)				\$ 3,946.00	\$ 3,946.00
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$ 556.80		
Monthly Asphalt Cement Price month project let (APL)			\$ 348.00		
Total Monthly Tonnage of asphalt cement (TMT)				18.89844406	

Bitum Tack

Gals	gals/ton	tons
4400	232.8234	18.8984441

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				0	\$ -
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$ 556.80		
Monthly Asphalt Cement Price month project let (APL)			\$ 348.00		
Total Monthly Tonnage of asphalt cement (TMT)				0	

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf. Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0
					0

TOTAL LIQUID AC ADJUSTMENT \$ 193,734.76

STATE HIGHWAY AGENCY

DATE : 08/25/2016
PAGE : 1

JOB DETAIL ESTIMATE

JOB NUMBER : 0010571_ SPEC YEAR: 01
DESCRIPTION: N. WESTOVER BLVD., FROM ALBANY MALL TO LEDO RD.

COST GROUPS FOR JOB 0010571_

COST GROUP	DESCRIPTION	QUANTITY	PRICE	AMOUNT	ACTIVE?
EROC	EROSION CONTROL (SY)	1.000	100000.00000	100000.00	Y
SIGNPCTO	SIGNS (PERCENT OF JOB)	12587.413	3.00000	37762.24	Y
DRNGEA	DRAINAGE (EA)	1.000	800000.00000	800000.00	Y
PVMKPCTO	PAVEMENT MARKING (PERCENT OF JOB)	12587.413	3.00000	37762.24	Y
LTNGPCTO	LIGHTING (PERCENT OF JOB)	12587.413	12.50000	157342.66	Y
LSCPPCTO	LANDSCAPING (PERCENT OF JOB)	12587.413	10.00000	125874.13	Y
ACTIVE COST GROUP TOTAL				1258741.27	
INFLATED COST GROUP TOTAL				1258741.27	

ITEMS FOR JOB 0010571_

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - P.I. 0010571	1.000	1500000.00	1500000.00
0010	210-0100		LS	GRADING COMPLETE - P.I. 0010571	1.000	2000000.00	2000000.00
0014	310-5060		SY	GR AGGR BS CRS 6IN INCL MATL	246.000	20.39	5017.76
0033	310-5100		SY	GR AGGR BS CRS 10IN INCL MATL	18373.000	15.89	292074.85
0034	310-5120		SY	GR AGGR BS CRS 12IN INCL MATL	26491.000	22.93	607509.89
0044	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	10370.000	72.33	750062.10
0049	402-3130		TN	RECYL AC 12.5MM SP,GP2,BM&HL	3056.000	86.14	263243.84
0054	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	4753.000	76.97	365838.41
0059	413-1000		GL	BITUM TACK COAT	4400.000	3.28	14432.00
0064	441-0104		SY	CONC SIDEWALK, 4 IN	626.000	78.48	49131.62
0069	441-0106		SY	CONC SIDEWALK, 6 IN	909.000	56.96	51778.93
0074	441-0754		SY	CONC MEDIAN, 7 1/2 IN	1503.000	72.00	108218.57
0079	441-0764		SY	CONC MEDIAN, 10 IN	400.000	75.00	30000.00
0084	441-5008		LF	CONC HEADER CURB, 6 IN, TP 7	267.000	12.47	3329.72
0089	441-5025		LF	CONC HEADER CURB, 4", TP 9	362.000	12.33	4463.46
0094	441-6222		LF	CONC CURB & GUTTER/ 8"X30"TP2	1960.000	19.27	37787.02
0099	626-0501		LF	CAST-IN-PLACE COPING, A	270.000	85.00	22950.00
0104	626-0502		LF	CAST-IN-PLACE COPING, B	2000.000	233.00	466000.00
0109	627-1000		SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - P.I. 0010571	1648.000	41.50	68392.00
0114	627-1010		SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - P.I. 0010571	25065.600	51.50	1290878.40
0118	627-1020		SF	MSE WALL FACE, 20 - 30 FT HT, WALL NO - PI 0010571	33889.000	61.30	2077589.55
0119	641-1100		LF	GUARDRAIL, TP T	124.000	83.08	10302.90
0124	641-1200		LF	GUARDRAIL, TP W	1139.000	12.28	13998.12
0129	641-5001		EA	GUARDRAIL ANCHORAGE, TP 1	3.000	691.72	2075.18

STATE HIGHWAY AGENCY

DATE : 08/25/2016
PAGE : 2

JOB DETAIL ESTIMATE

0134	641-5012	EA	GUARDRAIL ANCHORAGE, TP 12	5.000	2021.24	10106.24
0139	543-9000	LS	CONSTR OF BRIDGE COMPLETE - 7500 SQ FT, \$150 PER SQ FT	1.000	1250000.00	1250000.00
0144	543-9000	LS	CONSTR OF BRIDGE COMPLETE - 7500 SQ FT, \$150 PER SQ FT	1.000	1250000.00	1250000.00
0149	643-0010	LF	FIELD FENCE WOVEN WIRE	500.000	8.99	4499.78
0154	430-0200	SY	PLN PC CONC PVMT/CLIC/ 10" TK	500.000	85.00	42500.00

ITEM TOTAL 12592180.33
INFLATED ITEM TOTAL 12592180.33

TOTALS FOR JOB 0010571

ESTIMATED COST: 13850921.60
CONTINGENCY PERCENT (10.0): 1385092.16
ESTIMATED TOTAL: 15236013.76

TASKS FOR JOB ITEM LINE NUMBER: 0005

TASK: REF 001 TYPE: REFERENCE PRICE ACTIVE?: N
VALUE: 150000.00000
FORMULA:
COMMENT: ADHOC REFERENCE PRICE

TASK: REF 002 TYPE: REFERENCE PRICE ACTIVE?: N
VALUE: 1000000.00000
FORMULA:
COMMENT: ADHOC REFERENCE PRICE

TASK: REF 003 TYPE: REFERENCE PRICE ACTIVE?: Y
VALUE: 1500000.00000
FORMULA:
COMMENT: ADHOC REFERENCE PRICE

TASKS FOR JOB ITEM LINE NUMBER: 0010

TASK: REF 001 TYPE: REFERENCE PRICE ACTIVE?: N
VALUE: 2000000.00000
FORMULA:
COMMENT: ADHOC REFERENCE PRICE

TASK: BID 001 TYPE: BID-BASED ACTIVE?: N
MODEL: WORKTYPE: AREA: SEASON: HIGHWAY TYPE: URBAN/RURAL: QUANTITY LEVEL:
COMMENT: THIS ITEM DOES NOT APPEAR IN THE LIBRARY

TASK: REF 002 TYPE: REFERENCE PRICE ACTIVE?: N
VALUE: 10.00000

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TASK: REF 002 TYPE: REFERENCE PRICE ACTIVE?: N
VALUE: 10.00000

NOTICE OF LOCATION AND DESIGN APPROVAL

Dougherty and Lee County

P. I. # 0010571

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location and design approval is: October 26, 2016

The proposed project begins within the city limits of Albany in Dougherty County and terminates just at Ledo Road in Lee County. This project consists of a new alignment connecting North Westover Boulevard and Ledo Road. As Ledo Road being free flow, a controlled stop condition on North Westover Boulevard will be provided. A roundabout is proposed at the intersection with North Westover Boulevard. The project is in the 2nd land district.

Construction of the project will consist of the raising of Liberty Expressway to approximately 25' above existing grade where it will cross the new Westover Boulevard. There will be two bridges crossing over the new roadway on Liberty Expressway. The intersection at North Westover Blvd will be a roundabout and the intersection at Ledo Road will be a stop condition. Pedestrian and bicycle facilities are included in the plan for the new roadway.

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:

Clifford Webb
clwebb@dot.ga.gov
Area 5 Engineer
2060 Newton Road
Albany, GA 31701
229-430-4198

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:

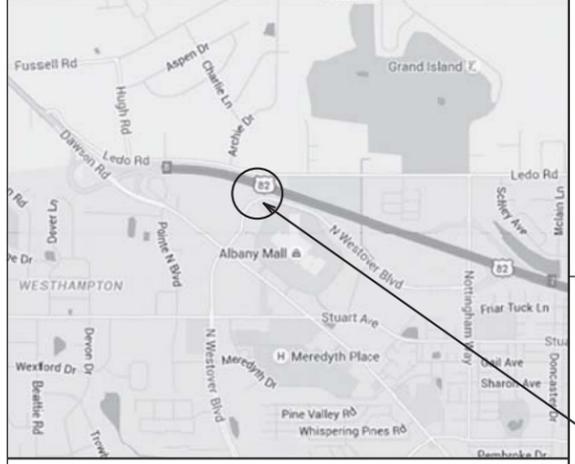
Albert V. Shelby, III
Office of Program Delivery
Attn: Cleopatra James
cjames@dot.ga.gov
One Georgia Center
600 W. Peachtree NW
Atlanta, GA 30308
404-631-1990

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.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

PLAN AND PROFILE OF PROPOSED WESTOVER BLVD EXTENSION

STATE FUNDED PROJECT
COUNTY: LEE & DOUGHERTY



LOCATION SKETCH

LOCATION & DESIGN APPROVAL DATE:

FUNCTIONAL CLASS:
URBAN COLLECTOR STREET

THIS PROJECT IS 62 % IN Dougherty COUNTY AND IS 38 % IN Lee COUNTY IN CONG.DIST.NO.2.

PROJECT DESIGNATION:
STATE FUNDED

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

Sta. 105+85.89 on WESTOVER BLVD. EXT.
= Sta. 84+16.26 on LEDO ROAD
N = 590125.8629
E = 2280541.6801

LIMITS OF CONSTRUCTION
STA. 80+20.42
N = 590139.7098
E = 2280146.4197

LIMITS OF CONSTRUCTION
Sta. 38+10.90
N = 590137.3143
E = 2279313.5159

LIMITS OF CONSTRUCTION
Sta. 16+33.85
N = 589524.4921
E = 2280021.0139

PROJECT NO. N/A
P.J.NO.0010571

END PROJECT/
END CONSTRUCTION
WESTOVER BLVD EXT.
STA. 106+17.15
N WESTOVER BLVD
STA. 84+15.99
N = 590157.1321
E = 2280541.4802

LIMITS OF CONSTRUCTION
STA. 87+95.20
N = 590125.1056
E = 2280920.6239

Sta. 102+34.25 on WESTOVER BLVD. EXT.
= Sta. 50+00.00 on LIBERTY EXPRESSWAY/
SR 520/ US 82
N = 589788.6815
E = 2280449.3636

LIMITS OF CONSTRUCTION
STA. 29+18.77
N = 589292.4839
E = 2281244.2186

LIMITS OF CONSTRUCTION
Sta. 68+00.00
N = 589197.8117
E = 2282149.6178

BEGIN PROJECT/
BEGIN CONSTRUCTION
WESTOVER BLVD EXT.
STA. 100+00.00
N WESTOVER BLVD
STA. 20+00.00
N = 589567.6694
E = 2280371.7250

	WESTOVER BLVD EXT	US82/SR520 LIBERTY EXP
TRAFFIC ADT(2020)	15650	17950
TRAFFIC ADT(2040)	19100	21900
TRAFFIC DHV	985	1500
DIRECTIONAL DIST	50/50	50/50
% TRUCKS	3.9%	14.5%
24 HR.TRUCKS %	3.9%	14.5%
SPEED DESIGN	35 MPH	65 MPH

NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", "GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

LENGTH OF PROJECT	COUNTY No.
	95.177
	MILES
NET LENGTH OF ROADWAY	0.111
NET LENGTH OF BRIDGES	0.047
NET LENGTH OF PROJECT	0.111
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.111



CROY ENGINEERING Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620



PREPARED BY: _____ DESIGN

RECOMMENDED FOR SUBMISSION BY: _____ DESIGN

SUBMITTED BY: STATE DESIGN ENGINEER

DATE	CHIEF ENGINEER
PLANS COMPLETED	- -
REVISIONS	

DRAWING No. 01-001