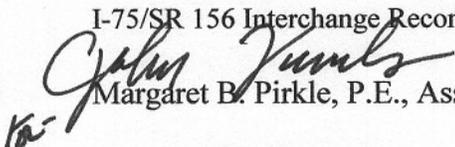


D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 610750, Gordon County **OFFICE** Preconstruction
IM-75-3(189)
I-75/SR 156 Interchange Reconstruction **DATE** June 27, 2005

FROM  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO 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.

MBP/cj

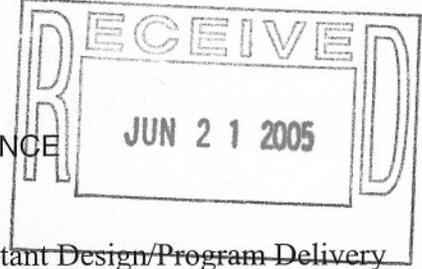
Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Jamie Simpson
Paul Liles
Keith Golden
Ken Thompson
Joe Palladi (file copy)
Babs Abubakari
Kent Sager
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE: IM-75-3(189)
Gordon COUNTY
P.I. No. 610750

OFFICE: Consultant Design/Program Delivery
DATE: June 9, 2005

FROM: *M. Babs Abubakari*
M. Babs Abubakari, P.E.
State Consultant Design/Program Delivery Engineer

TO: Buddy Gratton, P.E., Preconstruction Division Director

ATTENTION: Meg Pirkle

SUBJECT: Request for Location and Design Approval

Description and Project Proposal: This project is the reconstruction of the I-75/SR 156 Interchange in Gordon County. The project will incorporate the reconstruction of SR 156/Redbud Road beginning on the West side of I-75 just west of the intersection of Curtis Parkway/Warrior Path and extending east and crossing underneath I-75 to the intersection of SR 156 with Newtown Church Road/Harmony Church Road. SR 156 will be widened to provide two through lanes eastbound lanes and two through lanes westbound with a variable width raised median. Left turn lanes will be provided eastbound and westbound on SR 156 for access to the I-75 entrance ramps. The widening of SR 156 will necessitate the replacement of the I-75 Bridge over SR 156 with a bridge long enough to span the proposed widening. Also required is the realignment and reconstruction of all four of the I-75 Interchange ramps. Sidewalks will be constructed on both sides of SR 156 through out the limits of the project. This project will also include the construction of the Adventist Drive Extension and the Columbus Circle Extension. Adventist Drive Extension will connect Adventist Drive to Harmony Church Road northeast of the I-75/SR 156 Interchange. Columbus Circle Extension will connect Columbus Circle to Warrior Path northwest of the I-75/SR 156 Interchange.

Concept Approval Date: February 8, 2000

Concept Update: Changes made to the project concept since the Concept Approval Date are as follows:

- 1.) The project scope was expanded to include the Adventist Drive Extension which connects Adventist Drive with Harmony Church Road on new location north of SR 156 and east of I-75.

- 2.) The project scope was expanded to include the Columbus Circle Extension which connects Columbus Circle to Warrior Path on new location north of SR 156 and west of I-75.
- 3.) The limits of construction were extended 500 feet west of Curtis Parkway/Warrior Path on SR 156.
- 4.) The limits of construction were extended 250 feet on Harmony Church Road north of SR 156.
- 5.) The limits of construction were extended 560 feet on Newtown Church Road, south of SR 156.
- 6.) The limits of construction were extended 145 feet on CR 321, east of Newtown Church Road.
- 7.) The limits of construction were extended on the I-75 ramp and tapers 2850'.

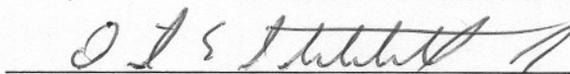
Environmental Assessment and Reassessment Approval Date: A Categorical Exclusion (CE) was approved for the project March 28, 1996.

Public Involvement: No Public Information Meetings have been held for the project.

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Floyd County Long Range Transportation Plan/TIP and the current STIP.

Recommendation: It is recommended 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

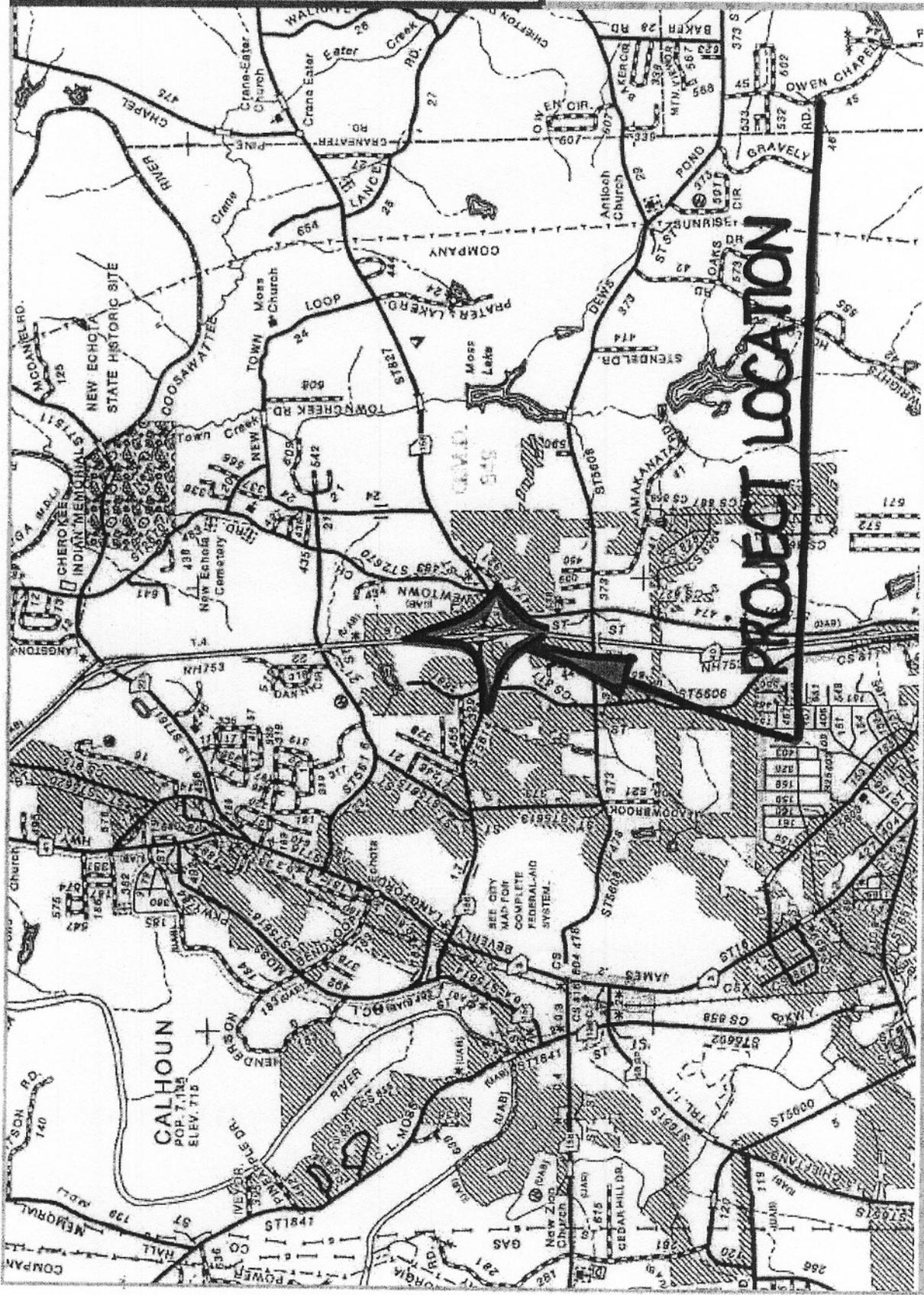
6/29/05
 Date of

Approval

MBA:TAH

Attachments:

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



LOCATION SKETCH
IM-75-3(189)

CONSTRUCTION COST ESTIMATE
OFFICE OF CONSULTANT DESIGN

DATE: 6/6/2005

PREPARED BY: Stuart C. Stokes P.E.
LAI Engineering

PROJECT NO: IM-75-3(189)

FILE NAME: IM-75-3(189) Gordon County
PI No: 610750

P.I. NO: 610750

MILEAGE: 1.86 miles

PROJECT DESCRIPTION/CONCEPT: PROJECT DESCRIPTION AS LISTED IN TPRO

EXISTING ROADWAY: yes

TRAFFIC: CURRENT ADT (20XX) 123 PROJECTED (20XX) 1234

- () PROGRAMMING PROCESS
- () CONCEPT DEVELOPMENT
- () DURING PROJECT DEVELOPMENT

PROJECT COSTS

	Quantity	Units	Unit Cost	Total
A. RIGHT OF WAY	0	LUMP SUM		
			SUBTOTAL	\$0.00
B. UTILITIES	0	LUMP SUM		
			SUBTOTAL	\$0.00
C. CLEARING AND GRUBBING	63	AC@	\$4,000.00	\$252,000.00
			SUBTOTAL	\$252,000.00

D. EARTHWORK

Embankment

In-Place Embankment	156,500	CY@	\$6.00	\$939,000.00
Borrow Incl Haul	20,000	CY@	\$6.00	\$120,000.00

Excavation

Soil	202,000	CY@	\$4.00	\$808,000.00
Rock	1,000	CY@	\$30.00	\$30,000.00

Miscellaneous

under drains	1,500	LF@	\$15.00	\$22,500.00
Filter Fabric	1,000	SY@	\$7.00	\$7,000.00
Drainage Material	100	CY@	\$15.00	\$1,500.00

SUBTOTAL \$1,928,000.00

E. BASE AND PAVING

Aggregate Base

Graded Aggregate	120,700	TN@	\$25.00	\$3,017,500.00
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Asphalt Paving

9.5 mm superpave	250	TN@	\$67.77	\$16,942.50
12 mm Superpave	20,200	TN@	\$50.00	\$1,010,000.00
19 mm superpave	25,000	TN@	\$48.00	\$1,200,000.00
25mm superpave	40,000	TN@	\$46.00	\$1,840,000.00
Leveling	3,000	TN@	\$60.00	\$180,000.00
Tack Coat	57,000	GA@	\$1.10	\$62,700.00
Milling	61,000	S.Y.	\$2.00	\$122,000.00
Rienf Fabric	23,000	L.F.	\$4.00	\$92,000.00

SUBTOTAL \$7,541,142.50

F. DRAINAGE

Cross Drain System

15" Conc. Pipe	470	LF@	\$25.27	\$11,876.90
18" Conc. Pipe	1,950	LF@	\$35.00	\$68,250.00
24" Conc. Pipe	1,313	LF@	\$40.00	\$52,520.00
30" Conc. Pipe	1,013	LF@	\$53.00	\$53,689.00

36" Conc. Pipe	34	LF@	\$57.00	\$1,938.00
42" Conc. Pipe	200	LF@	\$70.00	\$14,000.00
15" F.E.S.	6	EA@	\$397.88	\$2,387.28
18" F.E.S.	9	EA@	\$428.86	\$3,859.74
24" F.E.S.	5	EA@	\$508.82	\$2,544.10
30" F.E.S.	2	EA@	\$606.09	\$1,212.18
42" F.E.S.	1	EA@	\$996.30	\$996.30

Slope Drain

18" Slope Drain	60	LF@	\$30.00	\$1,800.00
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Longitudinal System

Drainage Structures

Catch Basins	36	EA @	\$2,200.00	\$79,200.00
Drop Inlets	19	EA @	\$2,000.00	\$38,000.00
Manholes	1	EA @	\$2,295.00	\$2,295.00
Inlet safety grates	100	SF	\$60.00	\$6,000.00

Drainage Lump Sum

Cost Per Mile	0	MI@	\$402,335.00	\$0.00
			SUBTOTAL	\$340,568.50

G. CONCRETE WORK

Approach Slabs	1,020	SY@	\$94.44	\$96,328.80
Median Barrier, method 3	14,000	LF@	\$30.00	\$420,000.00
Curb and Gutter (Type 2)	6,535	LF@	\$12.55	\$82,014.25
Valley Gutter	500	SY@	\$40.94	\$20,470.00
Sidewalk	3,328	SY@	\$34.44	\$114,616.32
Median Paving	1,873	SY@	\$23.00	\$43,079.00
Ditch Paving	500	SY@	\$25.00	\$12,500.00
Header curb, type 2	1,800	LF	\$15.00	\$27,000.00

SUBTOTAL \$816,008.37

H. TRAFFIC CONTROL

	1	lump sum	\$425,000.00	\$425,000.00
			SUBTOTAL	\$425,000.00

I. EROSION CONTROL

Temporary

Temp grassing	180	LB	\$50.00	\$9,000.00
Additional Grassing	60	LB	\$50.00	\$3,000.00
Inlet Silt Traps	66	EA	\$250.00	\$16,500.00
Type B Silt Fence	94,100	LF	\$4.00	\$376,400.00
Type C Silt Fence	31,100	LF	\$7.00	\$217,700.00
Slope Drain	68	LF	\$20.00	\$1,360.00
Silt Gate tp 3-	9	EA	\$1,000.00	\$9,000.00

Permanent

Grassing	200	LB	\$50.00	\$10,000.00
Additional Grassing	50	LB	\$50.00	\$2,500.00
Lime	110	Ton	\$70.00	\$7,700.00
Fert mix	27	Ton	\$250.00	\$6,750.00
Nitro	1,200	LB	\$1.50	\$1,800.00
Rip Rap, 12"	120	SY	\$30.00	\$3,600.00
Fabric	150	SY	\$4.00	\$600.00
rienf matt	50,000	SY	\$1.40	\$70,000.00

SUBTOTAL \$735,910.00

J. GUARDRAIL

W-Beam Rail	7,000	LF@	\$16.00	\$112,000.00
T-Beam Rail	100	LF@	\$50.00	\$5,000.00
Type 1 Anchors	8	EA@	\$483.43	\$3,867.44
Type 12 Anchors	8	EA@	\$1,363.83	\$10,910.64
Double w beam	5,800	LF@	\$25.00	\$145,000.00
Impact	11	EA@	\$15,000.00	\$165,000.00

SUBTOTAL \$441,778.08

K. SIGNS, STRIPING, SIGNALS, LIGHTING

Striping

5" solid white	35,500	LF	\$0.50	\$17,750.00
8" solid white	5,600	LF	\$0.50	\$2,800.00
24" solid white	710	LF	\$4.00	\$2,840.00
5" solid Yellow	34,600	LF	\$0.50	\$17,300.00
10" solid White	6,400	LF	\$1.00	\$6,400.00
5" skip white	31,000	GLF	\$0.40	\$12,400.00
5" skip yellow	1,560	GLF	\$0.40	\$624.00
yellow striping	1,170	SY	\$3.00	\$3,510.00
white striping	880	SY	\$3.00	\$2,640.00
Arrows and words	65	EA	\$100.00	\$6,500.00
RPM	478	EA	\$6.00	\$2,868.00

Road Signs

Reflect III Type 1	500	SF	\$13.00	\$6,500.00
Reflect III Type 3	170	SF	\$16.00	\$2,720.00
Type 7 Post	1,100	LF	\$9.00	\$9,900.00
Type 8 Post	150	LF	\$11.00	\$1,650.00

Overhead Signs w/Lights	4	EA@	\$61,000.00	\$244,000.00
Traffic Signals	4	EA@	\$100,000.00	\$400,000.00
Lighting	1	lump sum	\$100,000.00	\$100,000.00
			SUBTOTAL	\$840,402.00

L. GRASSING/LANDSCAPING	1	lump sum	\$15,000.00	\$15,000.00
			SUBTOTAL	\$15,000.00

M. MISCELLANEOUS

Field Engineer Office (Type 3)	1	EA@	\$48,740.68	\$48,740.68
Fencing	6,000	LF@	\$20.00	\$120,000.00
Right-of-Way Markers	100	EA@	\$79.58	\$7,958.00
			SUBTOTAL	\$176,698.68

N. MAJOR STRUCTURES

Bridge	1	LS	\$2,521,922.00	\$2,521,922.00
Retaining Walls	430	CY@	\$800.00	\$344,000.00

Box Culverts

Concrete	113	CY@	\$500.00	\$56,500.00
Bar Reinf. Steel	10,400	LB@	\$1.00	\$10,400.00
			SUBTOTAL	\$2,932,822.00

ESTIMATE SUMMARY

A. Right of Way	\$0.00
B. Reimbursable Utilities	\$0.00

CONSTRUCTION COST SUMMARY

C. Clearing And Grubbing	\$252,000.00
D. Earthwork	\$1,928,000.00
E. Base and Paving	\$7,542,000.00
F. Drainage	\$341,000.00
G. Concrete Work	\$817,000.00
H. Traffic Control	\$425,000.00
I. Erosion Control	\$736,000.00
J. Guardrail	\$442,000.00
K. Signs, Striping, Signals, Lighting	\$841,000.00
L. Grassing/Landscaping	\$15,000.00
M. Miscellaneous	\$177,000.00

ROADWAY SUBTOTAL \$13,516,000.00

N. Major Structures	\$2,933,000.00
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CONSTRUCTION TOTAL \$16,449,000.00

(#) years of inflation at 5% 2 years \$1,644,900.00

10% E & C \$1,809,390.00

CONSTRUCTION ESTIMATE SUBTOTAL \$19,903,290.00

TOTAL CONSTRUCTION ESTIMATE \$19,904,000.00

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT NUMBER: IM-75-3(189) Gordon County

PI No.: 610750

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 this project.

The date of location approval is JUNE 27, 2005.

This project is the reconstruction of the I-75/SR 156 Interchange in Gordon County. The project will also incorporate the reconstruction of SR 156/Redbud Road beginning just west of Curtis Parkway/Warrior Path and extending east and crossing underneath I-75 to the intersection of SR 156 with Newtown Church Road/Harmony Church Road. SR 156 will be widened to provide two through lanes eastbound lanes and two through lanes westbound with a variable width raised median. Left turn lanes will be provided eastbound and westbound on SR 156 for access to the I-75 entrance ramps. The widening of SR 156 will necessitate the replacement of the I-75 Bridge over SR 156 with a bridge long enough to span the proposed widening. Also required is the realignment and reconstruction of all four of the I-75 Interchange ramps. Sidewalks will be constructed on both sides of SR 156 through out the limits of the project. This project will also include the construction of the Adventist Drive Extension and the Columbus Circle Extension. Adventist Drive Extension will connect Adventist Drive to Harmony Church Road northeast of the I-75/SR 156 Interchange. Columbus Circle Extension will connect Columbus Circle to Warrior Path northwest of the I-75/SR 156 Interchange.

This project is located 100% in Gordon County and Congressional District 10 in Land Lots 166, 167, 194 and 195.

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:

Mike Thomas, Area Engineer
874 Peebles Valley Road
Cartersville, Georgia, 30121
770-387-3680

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:

Tom Hodges, Project Manager
Department of Transportation
Office of Consultant Design
No. 2 Capitol Square, S.W.
Atlanta, Georgia 30334

E-Mail: Tom.hodges@dot.state.ga.us
Office: (404) 656-5397

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