

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P.I. No. 122110-, Franklin- Stephens County **OFFICE** Preconstruction  
EDS-545(20)  
SR 17 Improvements **DATE** April 28, 2006

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

**TO** SEE DISTRIBUTION

**SUBJECT APPROVED NOTICE OF LOCATION AND DESIGN REPORT**

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

This is your authorization for the District to proceed with advertisement

Attachment

DISTRIBUTION:

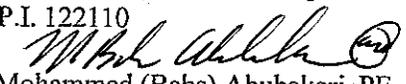
Brian Summers  
Harvey Keepler  
Ken Thompson  
Michael Henry  
Keith Golden  
Joe Palladi  
Paul Liles  
Babs Abubakari  
Russell McMurry  
BORAD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**

FILE EDS-545(20), Franklin/Stephens Counties  
P.I. 122110

OFFICE Consultant Design

  
FROM: Mohammed (Babs) Abubakari, PE, State Consultant Design  
and Program Delivery Engineer

DATE April 18, 2006

TO: Margaret B. Pirkle, PE, Assistant Director of Preconstruction

**SUBJECT Request for Location and Design Approval**

**Description and Project Proposal:**

Project EDS-545(20) in Franklin/Stephens Counties is the proposed improvement to existing SR 17. The objective of this project is to widen the existing roadway from 2 to 4 lanes with a 44-foot grassed median and rural shoulders that will accommodate bicycles. The project begins ¾ miles south of the Franklin County line with a 44-foot grassed median and extends to just north of Scott Road /CR 24, maintaining the 44-foot grassed median throughout. At its beginning, the roadway comes off of the adjacent widening project, EDS-545(19), and continues northwest ¼ mi. After Old SR 17 the proposed alignment curves to the north with bridges over the existing SR 17 and Norfolk Southern railroad. Just beyond Price Road the proposed alignment curves to the west and runs approximately ¼ to ½ mile north of the existing SR 17 until the end of the project at Scott Road/CR24. The project begins at mile log 15.31 in Franklin County and ends at mile log 5.28 in Stephens County.

**Concept Approval Date:** March 10, 1992

**Concept Update:** April 19, 2005

**Environmental Assessment and Reassessment Approval Date:**

Document approved on July 13, 2000. The most recent re-evaluation was finished on September 16, 2004. The environmental document is currently under review and re-evaluation.

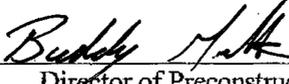
**RESULTS OF THE PUBLIC HEARING AND PUBLIC INVOLVEMENT:**

• **PUBLIC INFORMATION MEETING:**

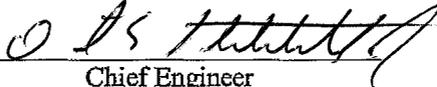
This section provides a summary of comments received during the public comment period for the **Public Information Meeting (PIM) held on November 29, 1993** for the proposed widening, reconstruction and relocation of SR 17 from just north of I-85 to CR 190/Memorial Drive in Franklin and Stephens Counties.

Approval:

Recommended:

  
Director of Preconstruction

Approved:

  
Chief Engineer

4/25/06  
Date of Approval

- Attachments:  
Sketch Maps  
Cost Estimate  
Notice of Location and Design Approval

## NOTICE OF LOCATION AND DESIGN APPROVAL

EDS-545(20), FRANKLIN/STEPHENS COUNTIES

P.L No. 122110

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 Design Approval is APRIL 28, 2006

Project EDS-545(20) in Franklin/Stephens Counties is the proposed improvement to existing SR 17. The objective of this project is to widen the existing roadway from 2 to 4 lanes with a 44-foot grassed median and rural shoulders that will accommodate bicycles. The project begins  $\frac{3}{4}$  miles south of the Franklin County line with a 44-foot grassed median and extends to just north of Scott Road /CR 24, maintaining the 44-foot grassed median throughout. At its beginning, the roadway comes off of the adjacent widening project, EDS-545(19), and continues northwest  $\frac{1}{4}$  mi. After Old SR 17 the proposed alignment curves to the north with bridges over the existing SR 17 and Norfolk Southern railroad. Just beyond Price Road the proposed alignment curves to the west and runs approximately  $\frac{1}{4}$  to  $\frac{1}{2}$  mile north of the existing SR 17 until the end of the project at Scott Road/CR24. The project lies within GMD 267 and 1647 of the Headrights of Stephens County, Georgia and within GMD 1377 of Headrights of Franklin County, Georgia.

The proposed construction will be two lanes in both directions, a 44-foot depressed grassed median and rural shoulders that will accommodate bicycles. The rural typical section will be maintained through out the project. There will be two parallel bridges over existing SR 17 and Norfolk Southern railroad. The total project length is 7.22 miles.

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:

**Robert M. Mabry, Area Engineer**  
**Georgia Department of Transportation**  
P.O. Box 248  
Clarkesville, Georgia 30523  
Email: [Rob.Mabry@dot.state.ga.us](mailto:Rob.Mabry@dot.state.ga.us)  
Telephone: (706) 754-9559

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:

**Mohammed (Babs) Abubakari, P.E., State Consultant Design and Program Delivery**  
**Engineer Georgia Department of Transportation**  
No. 2 Capitol Square, S.W.  
Atlanta, Georgia 30334  
Email: [Babs.Abubakari@dot.state.ga.us](mailto:Babs.Abubakari@dot.state.ga.us)  
Telephone: (404) 463-6133

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.

COMMENT TOTALS:

A total of 208 people attended the PIM for the subject project held on November 29, 1993 from 4 p.m. until 7 p.m. From those attending, 78 comment forms, one letter and 5 verbal statements were received. An additional 13 comments were received during the 10-day comment period following the hearing, for a total of 99 comments. They are summarized as follows:

<u>No. Opposed</u>	<u>No. In Support</u>	<u>Uncommitted / Conditional</u>
<u>27</u>	<u>60</u>	<u>12</u>

MAJOR CONCERNS:

Most of the comments have expressed concerns regarding the proposed required right-of-way and the impact to their residence. Some farmers were concerned about the impact the roadway would have on their operation. A few comments expressed concerns about the median openings and the ability for trucks to make U-turns.

• **PUBLIC HEARING:**

This section also provides a summary of comments received during the public comment period for the **Public Hearing held on July 27, 1999** for the proposed widening, reconstruction and relocation of SR 17 from just north of I-85 to CR 190/Memorial Drive in Franklin and Stephens Counties.

COMMENT TOTALS:

A total of 305 people attended the public hearing for the subject project held on July 27, 1999 from 4 p.m. until 7 p.m. From those attending, 79 comment forms and 10 verbal statements were received. An additional 52 comments were received during the 10-day comment period following the hearing, for a total of 141 comments. They are summarized as follows:

<u>No. Opposed</u>	<u>No. In Support</u>	<u>Uncommitted / Conditional</u>
<u>16</u>	<u>69</u>	<u>45</u>

MAJOR CONCERNS:

Major concerns expressed by the comments included access to property bisected by the proposed alignment, location of median openings, and safety of children who attend Eastanollee Elementary School.

**Consistency with Approved Planning:**

The project 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.

**Approval:**

Recommended:

\_\_\_\_\_  
Director of Preconstruction

Approved:

\_\_\_\_\_  
Chief Engineer

\_\_\_\_\_  
Date of Approval

Attachments:  
Sketch Maps  
Cost Estimate  
Notice of Location and Design Approval



PRELIMINARY COST ESTIMATE  
 SR 17 ROADWAY IMPROVEMENTS  
 EDS-545(20)  
 FRANKLIN/STEPHENS COUNTIES  
 P.I. No. 122110

ITEM DESCRIPTION	UNITS	UNIT COST	QUANTITY	COST
<b>RIGHT-OF-WAY</b>				
PROPERTY (LAND & Easement )	LS	\$1,755,785.00	1	\$1,755,785.00
IMPROVEMENTS, RELOCATION, DAMAGES	LS	\$278,320.00	1	\$278,320.00
OTHER COST ( SCHEDULING, ADMIN. COST, INFLATION)	LS	\$8,915,895.00	1	\$8,915,895.00
<b>TOTAL RIGHT-OF-WAY COST</b>				<b>\$10,950,000.00</b>
<b>REIMBURSABLE UTILITIES</b>				
TRANSMISSION LINES	LS	\$178,000.00	1	\$178,000.00
<b>ROADWAY</b>				
TRAFFIC CONTROL	LS	\$345,000.00	1.00	\$345,000.00
FIELD ENGINEERING OFFICE, TP 3	EACH	\$50,000.00	1.00	\$50,000.00
CLEARING & GRUBBING	LS	\$1,600,000.00	1.00	\$1,600,000.00
UNCLASSIFIED EXCAVATION	CY	\$3.00	2,680,585.00	\$8,041,755.00
GR AGGR BASE CRS, INCL MATL	TON	\$15.00	270,788.00	\$4,061,820.00
RECY ASPH CONC 9.5mm SUPERPAVE, GP2 ONLY, INCL BITUM MAT	TON	\$36.50	2,301.00	\$83,986.50
RECY ASPH CONC 12.5mm SUPERPAVE, GP1 OR 2, INCL POLYMER MODIF BITUM	TON	\$40.00	23,267.00	\$930,680.00
RECY ASPH CONC 12.5mm SUPERPAVE, GP1 OR 2,	TON	\$38.08	6,025.00	\$229,432.00
RECY ASPH CONC 19mm SUPERPAVE, GP1 OR 2, INCL BITUM MAT	TON	\$36.57	57,634.00	\$2,107,675.38
RECY ASPH CONC 25mm SUPERPAVE, GP1 OR 2, INCL BITUM MAT	TON	\$35.32	99,200.00	\$3,503,744.00
ASPHALTIC CONCRETE LEVELING	TON	\$36.50	274.38	\$10,014.69
BITUM TACK COAT	GAL	\$0.90	58,355.00	\$52,519.50
CONCRETE RW MARKERS	EACH	\$75.00	250.00	\$18,750.00
REINF CONC APPROACH SLAB	SY	\$113.16	587.00	\$66,424.92
GUARDRAIL, TP T	LF	\$52.00	125.00	\$6,500.00
GUARDRAIL, TP W	LF	\$9.53	22,500.00	\$214,425.00
GUARDRAIL ANCHORAGE, TP 1	EACH	\$438.04	39.00	\$17,083.56
GUARDRAIL ANCHORAGE, TP 12	EACH	\$1,281.21	39.00	\$49,967.19
RUMBLE STRIP - GROUND IN PLACE	GLM	\$776.00	14.00	\$10,864.00
<b>DRAINAGE</b>				
STORM DRAIN PIPE, 18 IN, H 1-10	CY	\$25.26	19,998.00	\$505,149.48
STORM DRAIN PIPE, 24 IN, H 1-10	LF	\$29.28	3,142.00	\$91,997.76
STORM DRAIN PIPE, 30 IN, H 1-10	LF	\$35.94	782.00	\$28,105.08
STORM DRAIN PIPE, 36 IN, H 1-10	LF	\$44.67	1,909.00	\$85,275.03
STORM DRAIN PIPE, 42 IN, H 1-10	LF	\$60.33	127.00	\$7,661.91
STORM DRAIN PIPE, 48 IN, H 1-10	LF	\$69.46	893.00	\$62,027.78
STORM DRAIN PIPE, 54 IN, H 1-10	LF	\$80.00	224.00	\$17,920.00
STORM DRAIN PIPE, 72 IN, H 1-10	LF	\$90.00	1,080.00	\$97,200.00
SAFETY END SECTION, 18 IN, SIDE DRAIN, 6:1 SLOPE	EACH	\$478.82	62.00	\$29,686.84
FLARED END SECTION, 18 IN, STORM DRAIN	EACH	\$365.45	5.00	\$1,927.25
FLARED END SECTION, 24 IN, STORM DRAIN	EACH	\$420.53	6.00	\$2,523.18
FLARED END SECTION, 24 IN, SIDE DRAIN 6:1	EACH	\$520.00	10.00	\$5,200.00
FLARED END SECTION, 30 IN, SIDE DRAIN 6:1	EACH	\$630.00	6.00	\$3,780.00
FLARED END SECTION, 36 IN, STORM DRAIN	EACH	\$677.40	14.00	\$9,483.60
FLARED END SECTION, 42 IN, STORM DRAIN	EACH	\$977.08	1.00	\$977.08
SLOPE DRAIN PIPE, 18 IN	LF	\$20.03	230.00	\$4,606.90
SLOPE DRAIN PIPE, 24 IN	LF	\$25.00	250.00	\$6,250.00
STN DUMPED RIP RAP TP3, 24 IN	SY	\$28.00	2,700.00	\$75,600.00
CLASS A CONCRETE	CY	\$380.00	117.10	\$44,498.00
DROP INLET, GP 1	EA	\$1,465.00	98.00	\$143,570.00
DROP INLET, GP 2	EA	\$1,600.00	2.00	\$3,200.00
DROP INLET, GP 1, SPECIAL DESIGN	EA	\$2,065.00	3.00	\$6,195.00
DROP INLET, GP 2, SPECIAL DESIGN	EA	\$2,400.00	1.00	\$2,400.00
DROP INLET, GP 1, ADD DEPTH	LF	\$186.00	25.00	\$4,650.00
CONCRETE SPILLWAY TP. 1	EA	\$1,178.00	2.00	\$2,356.00
CONCRETE SPILLWAY TP. 3	EA	\$1,178.00	2.00	\$2,356.00
CONCRETE BOX CULVERT BARREL	EACH	\$150,000.00	10.00	\$1,500,000.00
UNDERDRAIN PIPE INCLUDING DRAINAGE AGGREGATE, 6 IN	LF	\$2,500.00	45.00	\$112,500.00
FILTER FABRIC FOR EMBANKMENT STABILIZATOIN	SY	\$2.92	33,780.00	\$98,637.60

PRELIMINARY COST ESTIMATE  
 SR 17 ROADWAY IMPROVEMENTS  
 EDS-545(20)  
 FRANKLIN/STEPHENS COUNTIES  
 P.I. No. 122110

ITEM DESCRIPTION	UNITS	UNIT COST	QUANTITY	COST
<b>EROSION CONTROL - PERMANENT</b>				
PERMANENT GRASSING	AC	\$778.06	248.90	\$193,659.13
MULCH	TN	\$170.17	3,323.70	\$565,594.03
AGRICULTURE LIME	TON	\$48.61	248.90	\$12,099.03
FERTILIZER MIXED GRADE	TON	\$241.56	149.34	\$36,074.57
FERTILIZER NITROGEN CONTENT	LBS	\$1.27	12,445.00	\$15,805.15
LIQUID LIME	GAL	\$23.17	622.25	\$14,417.53
PLAIN CONCRETE DITCH PAVIN, 4 IN	SY	\$24.74	2,810.00	\$69,519.40
PERMANENT SOIL REINFORCING MATTING	SY	\$4.95	9,057.56	\$44,834.90
CLASS A CONCRETE FOR CONCRETE FLUMES	CY	\$377.27	203.53	\$76,783.88
<b>EROSION CONTROL - TEMPORARY</b>				
CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	EACH	\$84.58	5,686.00	\$480,921.88
MAINTENANCE OF TEMPORARY DITCH CHECKS	EACH	\$49.84	2,843.00	\$141,695.12
CONSTRUCT AND REMOVE BALED STRAW EROSION CHECKS	LF	\$2.50	1,000.00	\$2,500.00
TEMPORARY GRASSING	AC	\$501.60	124.45	\$62,424.12
MULCH	TN	\$170.17	2,950.35	\$502,061.06
AGRICULTURE LIME	TN	\$48.61	124.45	\$6,049.51
FERTILIZER MIXED GRADE	TN	\$241.56	24.89	\$6,012.43
FERTILIZER NITROGEN CONTENT	LBS	\$1.27	6,222.50	\$7,902.58
LIQUID LIME	GAL	\$23.17	311.13	\$7,208.77
MAINT BALED STRAW EROSION CHECKS	LF	\$1.50	500.00	\$750.00
MAINT TEMP SILT FENCE TYPE A	LF	\$1.11	4,867.00	\$5,402.37
MAINT TEMP SILT FENCE TYPE C	LF	\$1.25	27,800.00	\$34,750.00
CONSTR. & REM. SILT CONTROL GATE, TYPE 3	EACH	\$510.00	106.00	\$54,060.00
MAINT. SILT CONTROL GATE, TYPE 3	EACH	\$160.00	106.00	\$16,960.00
TEMPORARY SILT FENCE, TYPE A	LF	\$1.92	9,734.00	\$18,889.28
TEMPORARY SILT FENCE, TYPE C	LF	\$2.87	55,600.00	\$159,572.00
CONSTR. & REM TEMPORARY SEDIMENT BAIN	EACH	\$5,391.02	6.00	\$32,346.12
MAINT. TEMPORARY SEDIMENT BASIN	EACH	\$800.26	6.00	\$4,801.56
CONSTR. & REM INLET SEDIMENT TRAP	EACH	\$80.00	219.00	\$17,520.00
CONSTRUCTION EXIT	EACH	\$1,202.61	26.00	\$31,267.86
MAINT. CONSTRUCTION EXIT	EACH	\$293.00	26.00	\$7,618.00
WATER QUALITY MONITORING	MO	\$1,400.67	24.00	\$33,616.08
WATER QUALITY SAMPLING	EACH	\$105.00	2.00	\$210.00
TEMPORARY SLOPE PROTECTION MATTING	SY	\$1.25	308,300.00	\$385,375.00
CONSTR. & REM TEMPORARY SLOPE DRAIN	LF	\$10.00	10,240.00	\$102,400.00
<b>SIGNING &amp; MARKING</b>				
HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	SF	\$18.00	1,200.00	\$21,600.00
HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	SF	\$31.00	250.00	\$7,750.00
HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 6	SF	\$28.00	1,400.00	\$39,200.00
GALV STEEL POSTS, TP 7	LF	\$6.50	3,400.00	\$22,100.00
GALV STEEL POSTS, TP 8	LF	\$7.00	400.00	\$2,800.00
STEEL WIRE STRAND CABLE, 3/8 IN	LF	\$0.75	680.00	\$510.00
STRAIN POLE, TP IV	EA	\$4,000.00	4.00	\$16,000.00
TRAFFIC SIGNAL INSTALLATION NO-1	LS	\$55,000.00	1.00	\$55,000.00
PULL BOX, PB-5	EA	\$2,400.00	1.00	\$2,400.00
SIGNAL ASSEMBLY, FLASHING SCHOOL, COMPLETE	EA	\$3,700.00	2.00	\$7,400.00
THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	\$70.00	300.00	\$21,000.00
THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EA	\$80.00	15.00	\$1,200.00
THERMOPLASTIC PVMT MARKING, ARROW, TP 7	EA	\$75.00	115.00	\$8,625.00
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	\$0.20	131,000.00	\$26,200.00
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	\$0.20	106,600.00	\$21,320.00
THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	\$3.00	800.00	\$2,400.00
THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	LF	\$0.30	106,500.00	\$31,950.00
THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	LF	\$0.30	400.00	\$120.00
THERMOPLASTIC TRAF STRIPING, WHITE	SY	\$0.30	45,100.00	\$13,530.00
RAISED PVMT MARKERS TP 1	EA	\$4.00	2,000.00	\$8,000.00
RAISED PVMT MARKERS TP 3	EA	\$3.75	500.00	\$1,875.00
CONDUIT, NONMETL, TP 2, 2 IN	LF	\$6.00	950.00	\$5,700.00

PRELIMINARY COST ESTIMATE  
 SR 17 ROADWAY IMPROVEMENTS  
 EDS-545(20)  
 FRANKLIN/STEPHENS COUNTIES  
 P.I. No. 122110

ITEM DESCRIPTION	UNITS	UNIT COST	QUANTITY	COST
<b>MAJOR STRUCTURES</b>				
2 BRIDGES	LS	\$1,329,000.00	2.00	\$2,658,000
SUBTOTAL CONSTRUCTION COST				\$30,481,957.58
INFLATION (5.0% @ 2 years)				\$3,124,401
E&C (10%)				\$3,048,196
<b>TOTAL CONSTRUCTION COST</b>				<b>\$36,654,554</b>
<b>GRAND TOTAL PROJECT COST</b>				<b>\$47,782,554</b>