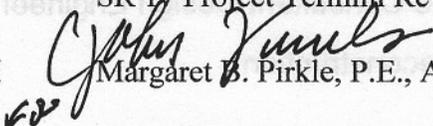


ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** P. I. No. 122110, Stephens County **OFFICE** Preconstruction  
EDS-545(20)  
SR 17 Project Termini Revision **DATE** April 19, 2005  
**FROM**  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction  
**TO** SEE DISTRIBUTION

**SUBJECT REVISED PROJECT CONCEPT REPORT APPROVAL**

Attached for your files is the approval for subject project.

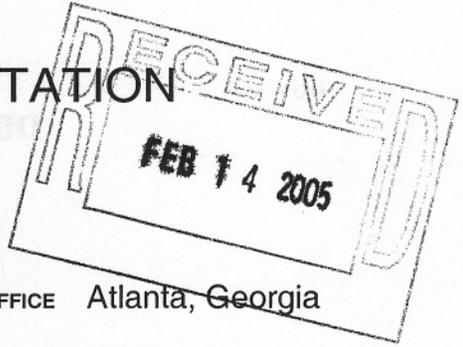
MBP/cj

Attachment

**DISTRIBUTION:**

David Mulling  
Harvey Keepler  
Ken Thompson  
Jamie Simpson  
Michael Henry  
Keith Golden  
Joe Palladi (file copy)  
Babs Abubakari  
Russell McMurry  
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE EDS-545(20) Stephens County  
State Route 17 from  
Martin City Limits to NW of CR 13/Rumsey Road  
P.I. No. 122110  
OFFICE Atlanta, Georgia  
DATE February 3, 2005

FROM *M. Babs Abubakari*  
Mohammed (Babs) Abubakari, P. E., State Consultant Design Engineer

TO Meg Pirkle, P. E., Assistant Director of Preconstruction

SUBJECT **Revised Project Concept Report**

Attached is the original copy of the revised Concept Report for your further handling and approval in accordance with the Plan Development Process

The concept is being revised to change the project termini. The ending point is being moved forward from the intersection of SR 17 with CR 13/Rumsey Road to CR 24/Scott Road. This change will cause an increase in the project length of 1.16 miles. The overall project length will increase from 5.70 miles to 6.86 miles.

If you have any questions, please contact Joe Wheeler at (404)657-9759.

*JDW*  
MBA:JDW  
Attachment

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

DATE: 4/1/05

*Joseph P. Palladi*  
\_\_\_\_\_  
State Transportation Planning Administrator

cc: David Mulling  
Harvey Keeper  
Keith Golden  
Joe Palladi  
Jamie Simpson  
Russell McMurry  
Paul Liles

# REVISED PROJECT CONCEPT REPORT

EDS-545 (20), Stephens County

P. I. No.122110

## Need and Purpose:

This project is identified as a part of the Governor's Road Improvement Program (GRIP). As part of this program, the existing two-lane SR 17 will be improved to multilane from 0.75 miles south of the Franklin / Stephens county line to Scott Road. GRIP was initiated in the 1980's to address the importance of stimulating growth via an improved transportation network. The GRIP has identified a system of economic development highways that consist of approximately 2,627 miles of existing primary routes, and an additional 113 miles of truck connector routes. The system would place 98% of the State's population within 20 miles of a multilane highway. It would provide access for oversized trucks to cities having populations of 5,000 or more, and to most cities having populations between 2,000 and 5,000.

Among the many benefits of such a system is that areas lagging in growth would be enhanced. In addition, tourism industries would benefit as would accessibility to recreation and historic sites. Georgia is to remain a growth state in the near future. The demands created by population and economic growth will spill over onto the non-Interstate systems that form a critical link for both large and small communities in the state. This essentially makes highway access a prime requisite for community growth in the future.

Currently limitations on trucks prevent access for many Georgia communities and affect economic potential. The Governor's Road Improvement Program would provide access to communities denied service by larger trucks. This is beneficial, because based on the experiences of the Georgia Department of Industry and Trade, if two cities are competing for an industry, the city closest to a four-lane roadway will usually attract the industry.

The proposed multilane of SR 17 will serve as a catalyst for the development of the region, connecting the Atlanta area with the more sparsely developed areas along the corridor. Traffic carrying capacity will be increased and safety and operational characteristics along these segments will be improved.

## Project location:

Project EDS-545(20) in Stephen/Franklin Counties is the proposed project that will widen existing SR 17 from two lanes to a rural divided four lane roadway. The project begins 0.75 miles south of the Franklin County/Stephens County line, connecting to project EDS 545 (19) using a rural 44-foot depressed grass median roadway section and extends to Rumsey Road/CR 13, maintaining the same typical section throughout the project.

## Description of the approved concept:

The purpose of this project is to widen the existing roadway from two lanes to a rural four lane facility. Project EDS-545(20) begins in Franklin County approximately 0.75 miles south of the

Franklin County/Stephens County line utilizing a rural 44-foot grassed median and extends to Rumsey Road /CR 13, maintaining the 44-foot grassed median to the end of the project. From its beginning at the end of project EDS-545(19), the alignment continues along its original course for approximately 0.25 miles. The alignment then diverges from the existing SR 17 and comes back to cross over both existing SR 17 and Norfolk Southern Railroad in a long 1900' radius right curve. Parallel bridges will be used for the grade separation. The proposed alignment then runs northeast in along the county line for approximately 1/3 of a mile before taking a 1-mile, 2500' radius curve to the left just beyond Price Road. The proposed realignment then continues approximately 0.5 miles northeast of exiting SR 17 to the end of the project at Rumsey Road/CR 13.

**PDP Classification:** Major/Existing Full Oversight ( ), Exempt (X), SF ( ), Other ( )

**Functional Classification:** Rural Arterial

**U. S. Route Number:** N/A

**State Route Number:** 17

**Traffic (AADT) as shown in the approved concept:**

Current Year: 1997 12,850 vpd Design Year: 2017 21,150 vpd

**Proposed features to be revised:**

**Project termini-** The approved concept for this project is being revised to change the "ending" limits of this project.

- The ending point is being moved forward (increase of 1.16 miles) from the intersection of SR 17 at Rumsey Road/CR 13 to begin at the intersection with Scott Road/CR 24. The proposed typical shall remain a rural four-lane divided roadway with a 44-foot depressed grass median. The purpose of this change in project limits is to provide logical termini and better maintenance of traffic for this project and the adjacent project (EDS 545 (37)).

**Describe the revised feature to be approved:**

The revised feature that approval is being requested for is the change in *project terminus* at the end of the project. The reasons to revise the project limits are stated above.

The present approved project concept length is 5.70 miles. This change in project terminus will increase the project length to 6.86 miles.

**Updated traffic data (AADT):** Current Year: 2007 22,500 vpd Design Year: 2027 36,000 vpd

**Programmed/Schedule:**

P.E. 1994/2002

R/W: Long Range

Construction: Long Range

**Revised cost estimates:**

1. Construction cost (including inflation and E&C): \$23,661,097
2. Right-of-way: \$1,095,000

3. Utilities (reimbursable): \$178,000

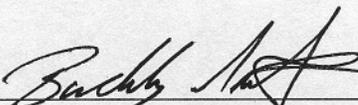
Is the project located in a Non-attainment area? .....Yes      **X** No

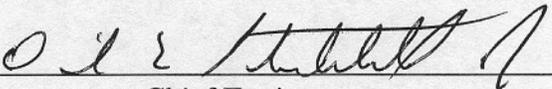
**Recommendation:** It is recommended that the proposed revision (project termini) to the concept be approved for implementation.

Attachments:

1. Sketch Map,
2. Cost Estimate,

- Exempt projects

Concur:   
Director of Preconstruction

Approve:   
Chief Engineer

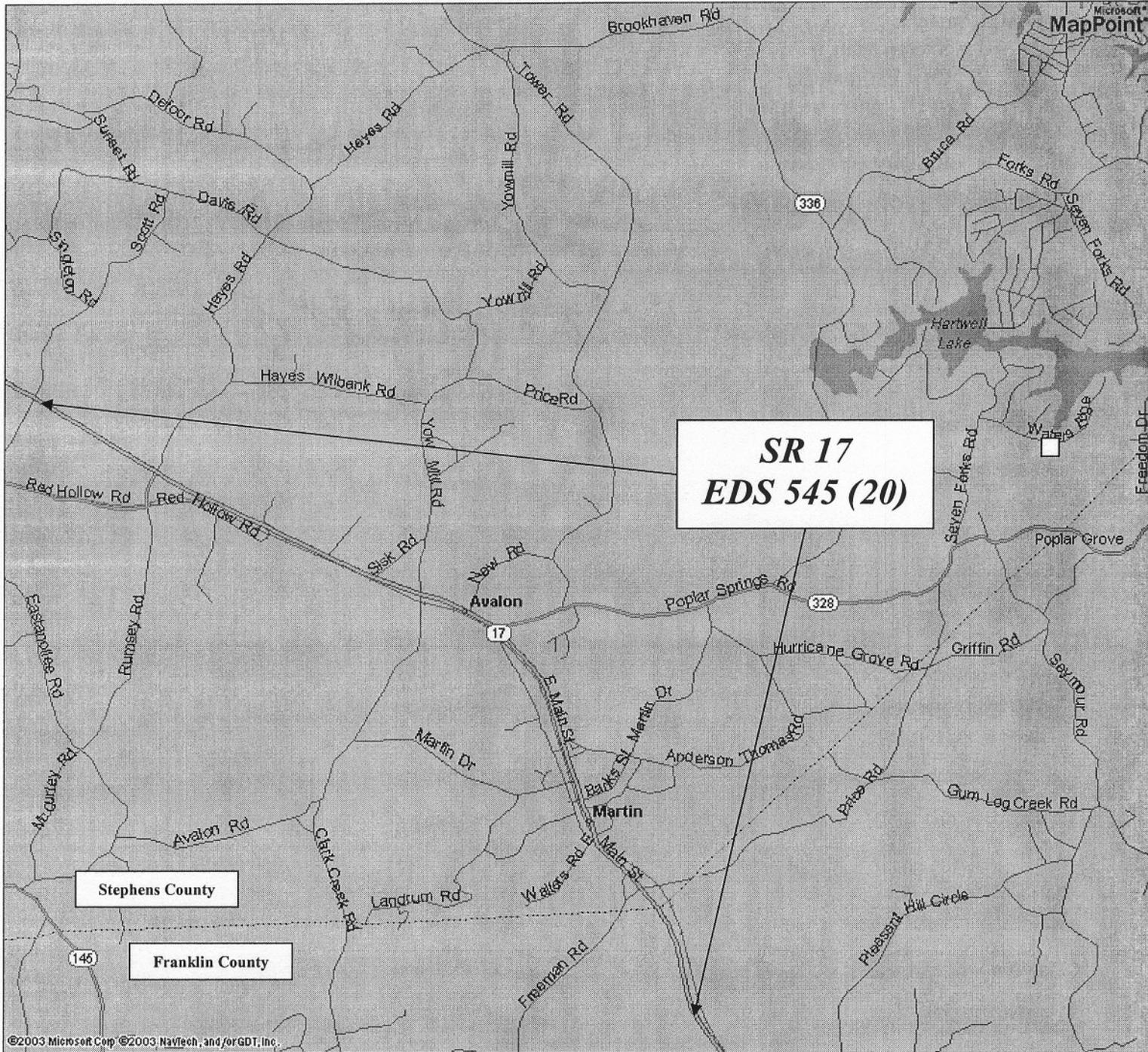
SR 17 - EDS 242 (20)

Franklin County

Franklin County

**SR 17 – EDS 545(20), P.I.No. 122110**  
**Stephens/Franklin Counties**

(Project Location Map)



**PRELIMINARY PROJECT COST ESTIMATE**  
**EDS-545 (20)**

DATE: 15-Jan-05

**EDS-545 (20) Stephens Co**

PROJECT LETTING DATE: Long Range

PREPARED BY: Joe Leoni, P.E.  
ARCADIS

PROJECT LENGTH (MILES): 6.86

( ) PROGRAMMING PROCESS ( ) CONCEPTUAL DEVELOPMENT ( X ) DURING PROJ DEV.

**PROJECT COSTS**

**A. RIGHT OF WAY:**

**1. PROPERTY (Land & Easement)**

a. Acquisition	(from GDOT)	AC	\$1,755,785	(from GDOT)
b. Easements	(included in above)	AC	\$0	

**2. DISPLACEMENTS:**

a. Mobile Homes		EA	\$0	
b. Residences		EA	\$0	
c. Businesses		EA	\$0	
			\$320,000	(from GDOT)

**3. IMPROVEMENTS**

\$0  
\$888,000 (from GDOT)

**4. DAMAGES**

a. Proximity			\$0	
b. Consequential			\$0	
c. Cost to Cure			\$0	
			\$190,000	(from GDOT)

**5. NET COSTS**

Net Cost		\$3,153,785	(from GDOT)
Scheduling Contingency	55%	\$1,734,582	
Adm/Court Cost	60%	\$2,933,020	
Inflation Factor	40%	\$3,128,555	

Subtotal \$10,949,942  
**SUBTOTAL:A \$ 10,950,000.00**

**B. REIMBURSABLE UTILITIES:**

1. TELEPHONE
2. ELECTRIC TRANSMISSION LINES
3. FIBER OPTIC LINE
4. GAS LINES
5. SERVICES

\$178,000 (from GDOT)

**SUBTOTAL:B \$ 178,000.00**

**C. CONSTRUCTION:**

**1 GRADING AND DRAINAGE (MAINLINE):**

a. SITWORK				
1)	Unclass. Excav.	1250000 CY	\$ 4.00	\$5,000,000

b. DRAINAGE:

**PRELIMINARY PROJECT COST ESTIMATE**  
**EDS-545(20)**

1)	Cross Drain Pipes	47 SITES	\$10,000.00	\$470,000
2)	Cross Drain End Treatm	94 EA	\$800.00	\$75,200
3)	Side Drain Pipe	1880 LF	\$25.00	\$47,000
4)	Side Drain End Treatmer	92 EA	\$550.00	\$50,600
5)	Drop Inlets (Incl. Add de	80 EA	\$2,000.00	\$160,000
SUBTOTAL:C-1				<b>\$5,802,800</b>

**2 BASE AND PAVING (MAINLINE):**

a.	12 in G.A.B.	193000 TON	\$14.00	\$2,702,000
b.	ASPHALT PAVING:			
1)	1.5" Asph. Conc. 12.5 m	22900 TON	\$39.00	\$893,100
2)	2" Asph. Conc. 19 mm Sj	30530 TON	\$41.00	\$1,251,730
3)	4" Asph. Conc. 25 mm S	61060 TON	\$37.00	\$2,259,220
4)	Leveling	700 TON	\$42.00	\$29,400
5)	Bitum. Tack	60500 GAL	\$1.00	\$60,500
c.	CONCRETE ITEMS			
1)	Curb and Gutter, Type II	0		\$0
2)	Conc. Med Islands	2140 SY	\$36.00	\$77,040
3)	5' Sidewalk	0		\$0
d.	OTHER			
SUBTOTAL:C-2				<b>\$7,272,990</b>

**3 LUMP ITEMS:**

a.	TRAFFIC CONTROL	6.9 MI	\$50,000	\$345,000
b.	CLEARING AND GRUBBING	240 AC	\$6,000	\$1,440,000
c.	LANDSCAPING			
d.	EROSION CONTROL	6.9 MI	\$80,000	\$552,000
SUBTOTAL:C-3				<b>\$2,337,000</b>

**4 MISCELLANEOUS:**

a.	FIELD ENGINEERS OFFICE	1 EA	\$52,500	\$52,500
b.	GUARDRAIL	13000 LF	\$14	\$182,000
	Guardrail Anchor.	50 EA	\$1,500	\$75,000
c.	SIGNING - STRIPING - SIGNAL			
	Signing/Striping	6.9 MI	\$25,000	\$172,500
	Traffic Signal	EA	\$125,000	\$0
SUBTOTAL:C-4				<b>\$482,000</b>

**5 MAJOR STRUCTURES:**

a.	BRIDGES: 2 Bridges 450' x 40'	36000 SF	\$65	\$2,340,000
b.	BOX CULVERTS			
	Single 10' x 10' - 2 SIT	400 LF	\$800	\$320,000
	Double 10' x 10' - 1 SITE	LF	\$0	\$0
	Triple 10' x 10' - 1 SITE	LF	\$0	\$0
SUBTOTAL:C-5				<b>\$2,660,000</b>

**ESTIMATE SUMMARY**

A.	RIGHT OF WAY	\$10,950,000
B.	REIMBURSABLE UTILITIES	\$178,000

PRELIMINARY PROJECT COST ESTIMATE  
EDS-545(20)

page 3 of 3  
P.I.NO. 122110  
Stephens Co

C. CONSTRUCTION				
1 GRADING AND DRAINAGE			\$5,802,800	
2 BASE AND PAVING			\$7,272,990	
3 LUMP ITEMS			\$2,337,000	
4 MISCELLANEOUS			\$482,000	
5 MAJOR STRUCTURES			\$2,660,000	
SUBTOTAL CONSTRUCTION COST			\$18,554,790	
INFLATION	5 YEARS @	3 %	\$2,955,298	
E. & C. (10 %)			\$2,151,009	
TOTAL CONSTRUCTION COST			\$	23,661,097
GRAND TOTAL PROJECT COST				<b>\$34,789,097</b>