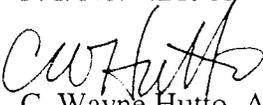


ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE EDS-441(35) Coffee County **OFFICE** Preconstruction
P. I. No. 421905
DATE January 3, 2000
FROM 
C. Wayne Hutto, Assistant Director of Preconstruction
TO SEE DISTRIBUTION

SUBJECT REVISED PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

Tom Turner
David Mulling
David Studstill (ATTN: Harvey Keepler)
Jerry Hobbs
Herman Griffin
Georgene Geary (ATTN: Michael Henry)
Marion Waters
Marta Rosen
David Crim

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE EDS-441(35) -US 441/SR 31 Improvements OFFICE Environment/Location
Coffee County

P.I. No. 421905

DATE November 23, 1999

FROM *David E. Studstill* P.E., State Environment/Location Engineer

TO Wayne Hutto, P.E., Assistant Director of Preconstruction

SUBJECT Revised Project Concept Report

Project EDS-441(35), in Coffee County, is the improvement of US441/SR 31 generally from the south city limits of Broxton to the north city limits.

Approved Concept: Beginning just south of the city limits of Broxton where project EDS-441(26) ends, the concept would add two 12-foot lanes with a 44 foot grassed median along the east side of the existing roadway up to Shephard Street. From Shephard Street, the concept would add two 12-foot lanes with a 44 foot grassed median along the west side of the existing roadway up to Railroad Ave. At the intersection of US 441/SR 31 and Railroad Avenue, US 441/SR 31 and Railroad Avenue would function as a one ^{way} pair system. Railroad Avenue would be reconstructed from US 441/SR 31 to Hester Street as an urban section with 34 feet of paving on a minimum of 60 feet of right of way. From Hester Street to US 441/SR 31 the concept would construct a connector with two 12-foot lanes on new location with a minimum of 100 foot of right of way. Railroad Avenue would function as the north bound lanes and the existing US 441/SR 31 would function as the south bound lanes. The north intersection of SR 268 would be realigned to provide a more direct connection with Railroad Avenue.

Proposed Revised Concept: It is proposed to revise the 55 MPH speed design to 55 MPH desirable which meets 65 MPH minimum. This will allow a posted speed limit of 65 MPH. It is also proposed to bypass Broxton because of history impacts through town and a request for a bypass from local officials.

Beginning just south of the city limits of Broxton, where project EDS-441(26) ends, the concept would then proceed onto new location east of Broxton. The alignment would cross CR 594 at grade and continue eastwardly, up to a point south of CR 167, from there the alignment would change to a northwestwardly direction on new location and cross CR 167 and SR 268 at grade. The alignment would continue to a point approximately one mile north of the Broxton City limits tying into the existing US 441/SR 31 for a project length of 3.5 miles.

Estimated Cost:	Proposed	Approved	<u>Prog. Date</u>
Construction (incl.E&C + infl.)	\$7,443,000	\$ 4,320,000	Long Range
Right-of-way	\$ 502,500	\$ 1,357,000	
Utilities	not available	\$ 7,500	

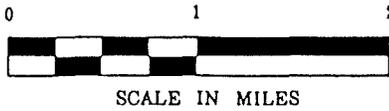
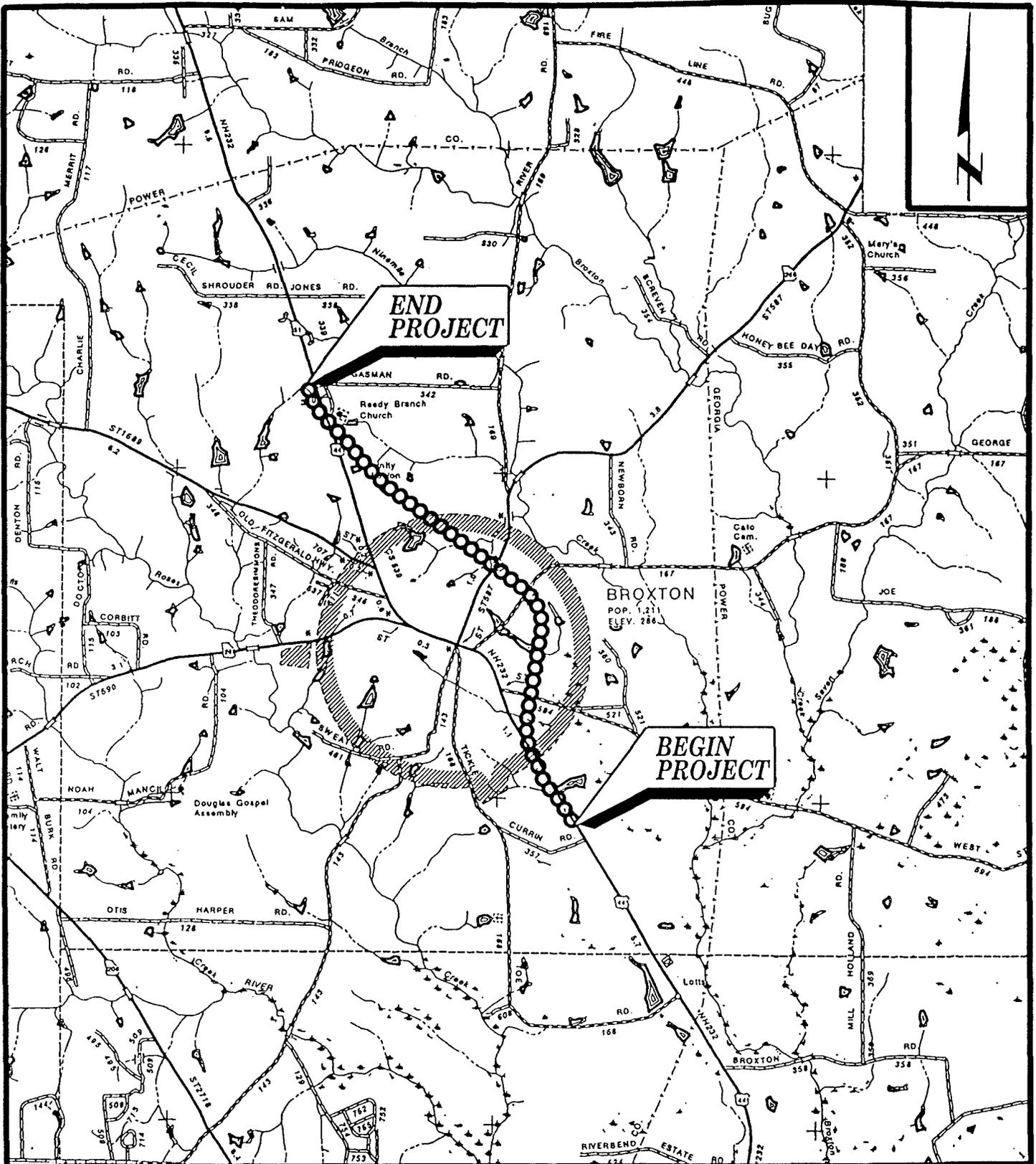
Recommendation: It is recommended that the proposed revision to the concept be approved for implementation.

Concur: Thomas L. Turner
 Thomas L. Turner, P.E.
 Director of Pre-Construction

Approve: Frank L. Danchetz
 Frank L. Danchetz, P.E.
 Chief Engineer

DES/ERS

Attachments: Sketch Map
 Cost Estimate
 Typical Section



STRIPMAP
 EDS-441(35)
 IMPROVEMENTS TO US 41\SR 31
 COFFEE COUNTY
 P.I.# 421905

SOURCE: GENERAL HIGHWAY MAP, COFFEE COUNTY, GEORGIA
 PREPARED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION, 1996.

PRELIMINARY COST ESTIMATE
OFFICE OF ENVIRONMENT/LOCATION

P.I. NO: 421905

DATE: 11-16-1999

PROJECT NO: EDS-441(35)

PROJECT NAME: SR 31 Improvements

COUNTY: COFFEE

PROJECT DESCRIPTION:

From just south of Broxton to just north of Broxton
along the east side of town.

PROJECT LENGTH: 3.500 MILES

SECTION LENGTH: 3.500 MILES

TYPICAL SECTION:

RURAL NEW LOCATION-4-LANES WITH 44' DIV MEDIAN (48' PAV'T)

PROPOSED R / W = 250 ft

EXISTING ROADWAY (If Applicable):

New Location

TRAFFIC:

INITIAL DESIGN YEAR: 2005

DAILY VOLUME (AADT): 7,900

FINAL DESIGN YEAR: 2025

DAILY VOLUME (AADT): 13,200

COMMENTS:

Construction cost estimate for EDS-441(35)

PREPARED BY: Radney Simposn LE I

PROJECT COSTS

A. RIGHT - OF - WAY

1. PROPERTY (Land and Easements)	\$	0
2. DISPLACEMENTS	\$	0
3. OTHER COST	\$	0
SUBTOTAL	\$	0

B. REIMBURSABLE UTILITIES

1. RAILROAD	\$	0
2. TRANSMISSION LINES	\$	0
3. SERVICES	\$	0
SUBTOTAL	\$	0

C. MAJOR STRUCTURES

1. WALLS	\$	0
<hr/>		
2. BRIDGE STREAM CROSSING	\$	0
<hr/>		
3. BRIDGE OVER/UNDERPASS	\$	0
<hr/>		
4. BOX CULVERTS	\$	0
<hr/>		
SUBTOTAL	\$	0

D. GRADING AND DRAINAGE

1. EARTHWORK		
a. UNCLASSIFIED EXCAVATION SOIL	\$	802,000
239,500 CY @ \$3.35		
b. UNCLASSIFIED EXCAVATION ROCK	\$	0
0 CY @ \$4.00		
c. BORROW EXCAVATION	\$	944,000
235,900 CY @ \$4.00		
2. DRAINAGE		
a. MINOR DRAINAGE (Including Cross Drain Pipes & Longitudinal System)	\$	287,000
3.500 MILES @ \$82,080		
b. CURB AND GUTTER	\$	0
0 LF @ \$9.80		
SUBTOTAL	\$	2,033,000

PROJECT COSTS

con't.

E. BASE AND PAVING

1. GRADED AGGREGATE BASE	\$	<u>877,000</u>
10.00" -- 68,006 T @ \$12.89		
2. ASPHALT PAVING		
a. ASPHALTIC CONCRETE "E"	\$	<u>372,000</u>
1.50" -- 10,626 T @ \$35.05		
b. ASPHALTIC CONCRETE "B"	\$	<u>475,000</u>
2.00" -- 14,168 T @ \$33.50		
c. ASPHALTIC CONCRETE BASE	\$	<u>577,000</u>
3.00" -- 17,002 T @ \$33.93		
d. BITUMINOUS TACK COAT	\$	<u>8,000</u>
9,381 G @ \$0.84		
3. CONCRETE PAVING	\$	<u>0</u>
4. OTHER PAVING	\$	<u>231,000</u>
SUBTOTAL	\$	<u>2,540,000</u>

F. LUMP ITEMS

1. TRAFFIC CONTROL	\$	<u>25,000</u>
2. CLEARING AND GRUBBING	\$	<u>498,000</u>
106 ACRES @ \$4,700		
3. LANDSCAPING	\$	<u>179,000</u>
3.500 MILES @ \$51,000		
4. EROSION CONTROL	\$	<u>168,000</u>
3.500 MILES @ \$48,000		
5. DETOURS (Including Temporary Bridges)	\$	<u>0</u>
SUBTOTAL	\$	<u>870,000</u>

G. MISCELLANEOUS

1. SIGNING/STRIPING	\$	<u>130,000</u>
3.500 MILES @ \$37,000		
2. GUARDRAIL	\$	<u>0</u>
0 LF @ \$10.88 + 0 Anchors @ \$1,632.38		
3. OTHER	\$	<u>564,000</u>
3.500 MILES @ \$161,100		
SUBTOTAL	\$	<u>694,000</u>

H. SPECIAL FEATURES

\$ 0

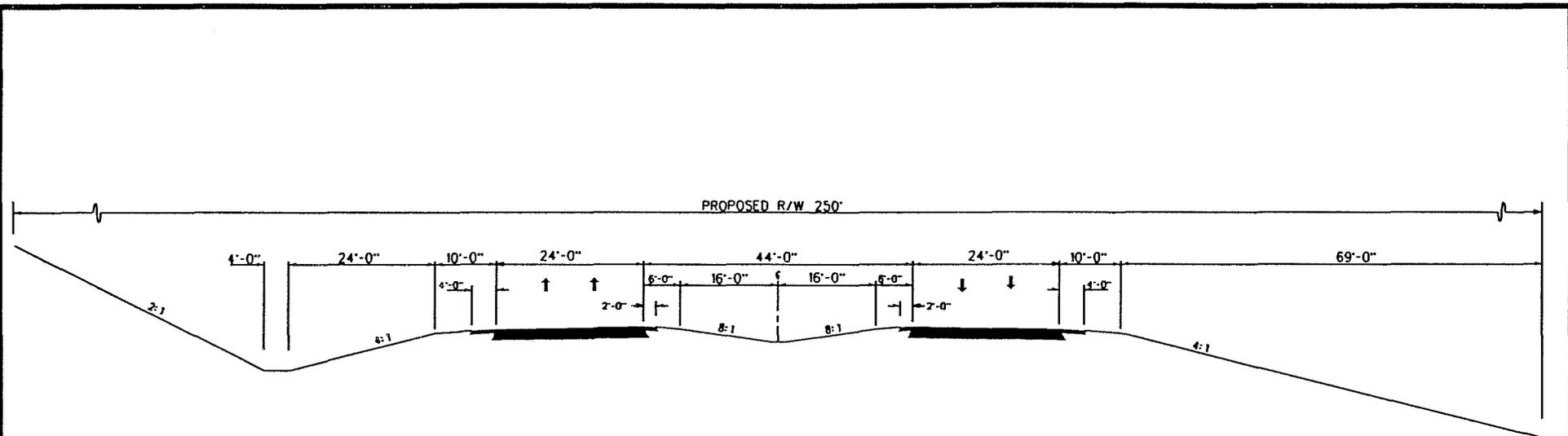
ESTIMATE SUMMARY

		SECTION COST (per mile)
A. RIGHT-OF-WAY	\$ 0	\$ 0
B. REIMBURSABLE UTILITIES	\$ 0	\$ 0

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES	\$ 0	
D. GRADING AND DRAINAGE	\$ 2,033,000	
E. BASE AND PAVING	\$ 2,540,000	
F. LUMP ITEMS	\$ 870,000	
G. MISCELLANEOUS	\$ 694,000	
H. SPECIAL FEATURES	<u>\$ 0</u>	
SUBTOTAL CONSTRUCTION COST	\$ 6,137,000	\$ 1,753,000
E. & C. (10%)	\$ 614,000	
INFLATION 2 yr(s) @ 5% per year	<u>\$ 692,000</u>	
TOTAL CONSTRUCTION COST	\$ 7,443,000	\$ 2,127,000
<hr/> <hr/>		
GRAND TOTAL CONSTRUCTION COST	\$ 7,443,000	\$ 2,127,000

RURAL NEW LOCATION-4-LANES WITH 44' DIV MEDIAN (48' PAV'T)



**TYPICAL CROSS SECTION
 SR 31 IMPROVEMENTS
 EDS-441(35) COFFEE CO
 FROM 3,300 FEET NORTH OF CR 357/CURRIN ROAD
 TO ONE MILE NORTH OF BROXTON CITY LIMITS**

NOT TO SCALE

PROJECT NUMBER/COUNTY: EDS-441(35) COFFEE

P. I. NUMBER: 421905

This project is identified as a component in the Governor's Road Improvement Program (GRIP) and funding is anticipated to be with state funds only. Therefore, this project is not identified in the State Transportation Improvement Program.

Marta C. Bauer

STATE TRANSPORTATION PLANNING ADMINISTRATOR

DATE: 12/3/99