

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE EDS-441(12) Telfair County OFFICE Preconstruction
 P.I. No. 531100 DATE December 16, 1992

FROM *CWH*
 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/se

Attachment

DISTRIBUTION:

- John Lively
- Robert E. Humphrey
- David Studstill
- Herman Griffin
- Roland Hinners
- Darrell Elwell
- George Boulineau
- Ronald Davis

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE EDS-441(12), Telfair County OFFICE Environment/Location
P.I. No. 531100 DATE December 11, 1992

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

TO G.C. Lewis, State Highway Engineer

SUBJECT Revised Project Concept Report - McRAE SOUTH BYPASS

The approved concept would be to construct a 2.85 mile partial controlled access highway on new location between U.S. 441/U.S. 319/S.R. 31 and U.S. 341/S.R. 27 southeast of McRae. The typical section is proposed to be four lanes with a 44' median on 200' minimum rights-of-way. The approved concept would begin at U.S. 441/U.S. 319/S.R. 31 approximately 450 feet north of the S.R. 149 Connector intersection with U.S. 441/U.S. 319/S.R. 31 and extend in an east, northeasterly direction to its terminus at U.S. 341/S.R. 27 and the south terminus of the McRae North Bypass.

It is proposed to shift the approved concept location south to reduce wet-land impacts from approximately 13 acres to approximately four acres. The new alignment would begin at U.S. 441/U.S. 319/S.R. 31 approximately 0.41 mile south of the S.R. 149 Connector intersection with U.S. 441/U.S. 319/S.R. 31 and proceed in an east, northeasterly direction to its terminus at U.S. 341/S.R. 27 at the south terminus of the McRae North Bypass. The new length of the project is 3.51 miles.

Estimated Costs:	<u>Proposed</u>	<u>Approved</u>	<u>Prog. Date</u>
Construction (incl. E&C and Infl.)	\$ 7,307,000 (1994)	\$ 6,059,000 (1988)	03/94
Right-of-Way	\$ 279,000 (1994)	\$ 194,500 (1988)	
Utilities	LGPA	LGPA	SIGNED 2/23/89

It is recommended that the revision to this concept report be approved for implementation.

DES/AR

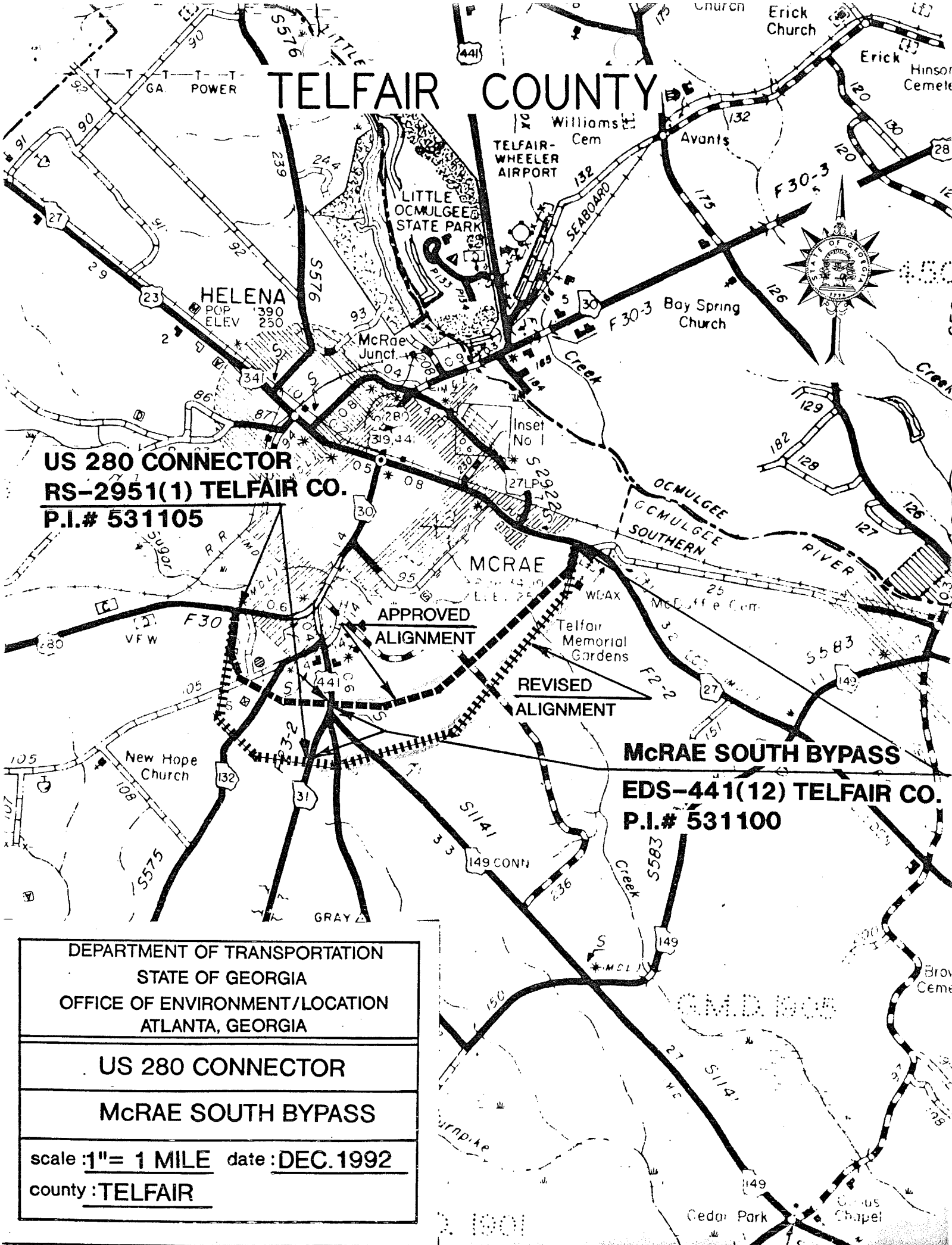
Attachments: Sketch Map, Cost Estimate

Concur: *Hoyt J. Lively Jr.*
Hoyt J. Lively, Jr., P.E., Director of Preconstruction

Approve: *G.C. Lewis*
G.C. Lewis, State Highway Engineer

cc: Roland Hinners, Ronald Davis/Jesup, Bascombe Hughes, Ron Brown

TELFAIR COUNTY



**US 280 CONNECTOR
RS-2951(1) TELFAIR CO.
P.I.# 531105**

**McRAE SOUTH BYPASS
EDS-441(12) TELFAIR CO.
P.I.# 531100**

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ENVIRONMENT/LOCATION
ATLANTA, GEORGIA

US 280 CONNECTOR

McRAE SOUTH BYPASS

scale : 1" = 1 MILE date : DEC. 1992

county : TELFAIR

PRELIMINARY COST ESTIMATE

OFFICE OF ENVIRONMENT/LOCATION

P. I. NO: 531100

DATE: 09-23-1992

PROJECT NO: EDS-441(12)

PROJECT NAME: MCRAE SOUTH BYPASS

COUNTY: TELFAIR

PROJECT DESCRIPTION: FROM US 441/SR 31 NEAR SR 149 CONNECTOR PROCEEDING EAST TO US 341/SR 27, ONE HALF MILE SOUTHEAST SR 27 LOOP.

PROJECT LENGTH: 3.510 MILES

SECTION LENGTH: 3.510 MILES

TYPICAL SECTION:

RURAL NEW LOCATION 4-LANES WITH 44' DIV MEDIAN (40' PAV'T)

Minimum R/W = 200 ft

EXISTING ROADWAY (If Applicable): N/A

TRAFFIC:

INITIAL DESIGN YEAR: 1990

DAILY VOLUME (AADT): 1,990

FINAL DESIGN YEAR: 2010

DAILY VOLUME (AADT): 3,120

FEASIBILITY STUDY PRE-PROGRAMMING PROCESS PROGRAMMING PROCESS

COMMENTS: NONE

PREPARED BY: ROBINSON

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

2. BRIDGE STREAM CROSSING \$ 924,000
2 @ 320' X 30' X \$30/SF

3. BRIDGE OVER/UNDERPASS \$ 0

4. BOX CULVERTS \$ 0

SUBTOTAL \$ 924,000

D. GRADING AND DRAINAGE

1. EARTHWORK
a. UNCLASSIFIED EXCAVATION SOIL \$ 970,000
719,000 CY @ \$1.35
b. UNCLASSIFIED EXCAVATION ROCK \$ 0
0 CY @ \$4.00
c. BORROW EXCAVATION \$ 0
0 CY @ \$3.00

2. DRAINAGE
a. MINOR DRAINAGE (INCLUDING CROSS DRAIN PIPES &
LONGITUDINAL SYSTEM) \$ 288,000
3.510 MILES @ \$82,080
b. CURB AND GUTTER \$ 0
0 LF @ \$0.00

SUBTOTAL \$ 1,258,000

PROJECT COSTS

con't.

E. BASE AND PAVING

1. GRADED AGGREGATE BASE	\$ 782,000
10.00" -- 68,201 T @ \$11.46	
2. ASPHALT PAVING	
a. ASPHALTIC CONCRETE "E"	\$ 458,000
2.00" -- 14,200 T @ \$32.22	
b. ASPHALTIC CONCRETE "B"	\$ 855,000
4.00" -- 28,417 T @ \$30.09	
c. ASPHALTIC CONCRETE BASE	\$ 0
0.00" -- 0 T @ \$29.14	
d. BITUMINOUS TACK COAT	\$ 8,000
9,567 G @ \$0.81	
3. CONCRETE PAVING	\$ 0
4. OTHER PAVING	\$ 210,000
	SUBTOTAL \$ 2,313,000

F. LUMP ITEMS

1. TRAFFIC CONTROL	\$ 20,000
2. CLEARING AND GRUBBING	\$ 400,000
85 ACRES @ \$4,700	
3. LANDSCAPING	\$ 179,000
3.510 MILES @ \$51,000	
4. EROSION CONTROL	\$ 168,000
3.510 MILES @ \$48,000	
5. DETOURS (INCL. TEMP. BRIDGES)	\$ 0
	SUBTOTAL \$ 767,000

G. MISCELLANEOUS

1. SIGNING/STRIPING	\$ 130,000
3.510 MILES @ \$37,000	
2. GUARDRAIL	\$ 68,000
7,200 LF @ \$9.00 + 4 Anchors @ \$700.96	
3. OTHER	\$ 565,000
3.510 MILES @ \$161,100	
	SUBTOTAL \$ 763,000

H. SPECIAL FEATURES	\$ 0
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