

ORIGINAL TO GENERAL FILE


DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE EDS-441(12) Telfair County
P.I. No. 531100

OFFICE Preconstruction

DATE February 25, 1994

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/se

Attachment

DISTRIBUTION:

John Lively
Bob Mustin
David Studstill
Herman Griffin
Toni Dunagan
Darrell Elwell
Craig Brack

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

RECEIVED

FEB 11 1994

INTERDEPARTMENT CORRESPONDENCE

PRECONSTRUCTION

FILE EDS- 441(12), Telfair County OFFICE Environment/Location
P.I. No. 531100 DATE February 10, 1994

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

TO Frank L. Danchetz, P.E., State Highway Engineer

SUBJECT Revised Project Concept Report- SOUTH MCRAE BYPASS

The approved concept is to construct a 3.51 mile new location, partial controlled access highway 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 a four lane roadway with a 44' median on 250' minimum rights-of-way. The project 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 extend in a east, northeasterly direction, reaching its terminus on U.S. 341/S.R. 27. at the south terminus of the North McRae Bypass.

The approved concept is proposed to be revised to shift the new location alignment to avoid a proposed City of McRae landfill and reduce wetland impacts as a result of meetings with Federal Resource Agencies. The project would begin at U.S. 441/U.S. 319/S.R. 31 approximately 0.20 mile south of the S.R. 149 Connector intersection with U.S. 441/U.S. 319/S.R. 31 and proceed in a north then, northeasterly direction reaching its terminus on U.S. 341/S.R. 27 approximately 0.42 mile southeast of S 2922, the south terminus of the North McRae Bypass. The typical section is proposed to be 4 lanes with a 44' median on 250' minimum rights-of-way. The new length of the project is 2.90 miles.

Estimated Costs:	<u>Proposed</u>	<u>Approved</u>	<u>Prog. Date</u>
Construction (incl. E&C and Infl.)	\$ 6,209,000 ^{FY96} (1996)	\$ 7,307,000 (1994)	03/94 4/96
Right-of-Way	\$ 767,000 ^{FY95} (1996)	\$ 279,500 (1994)	
Utilities	LGPA	LGPA	SIGNED 2/23/89

(Cont'd)

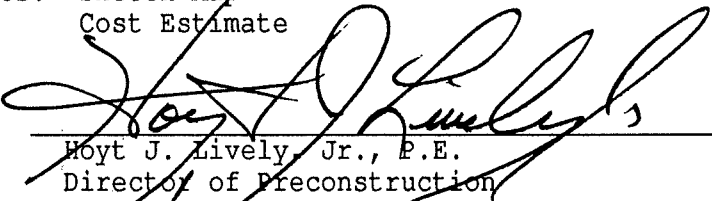
EDS-441(12) Telfair County
Revised Concept Report
Page 2

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


DES/AR

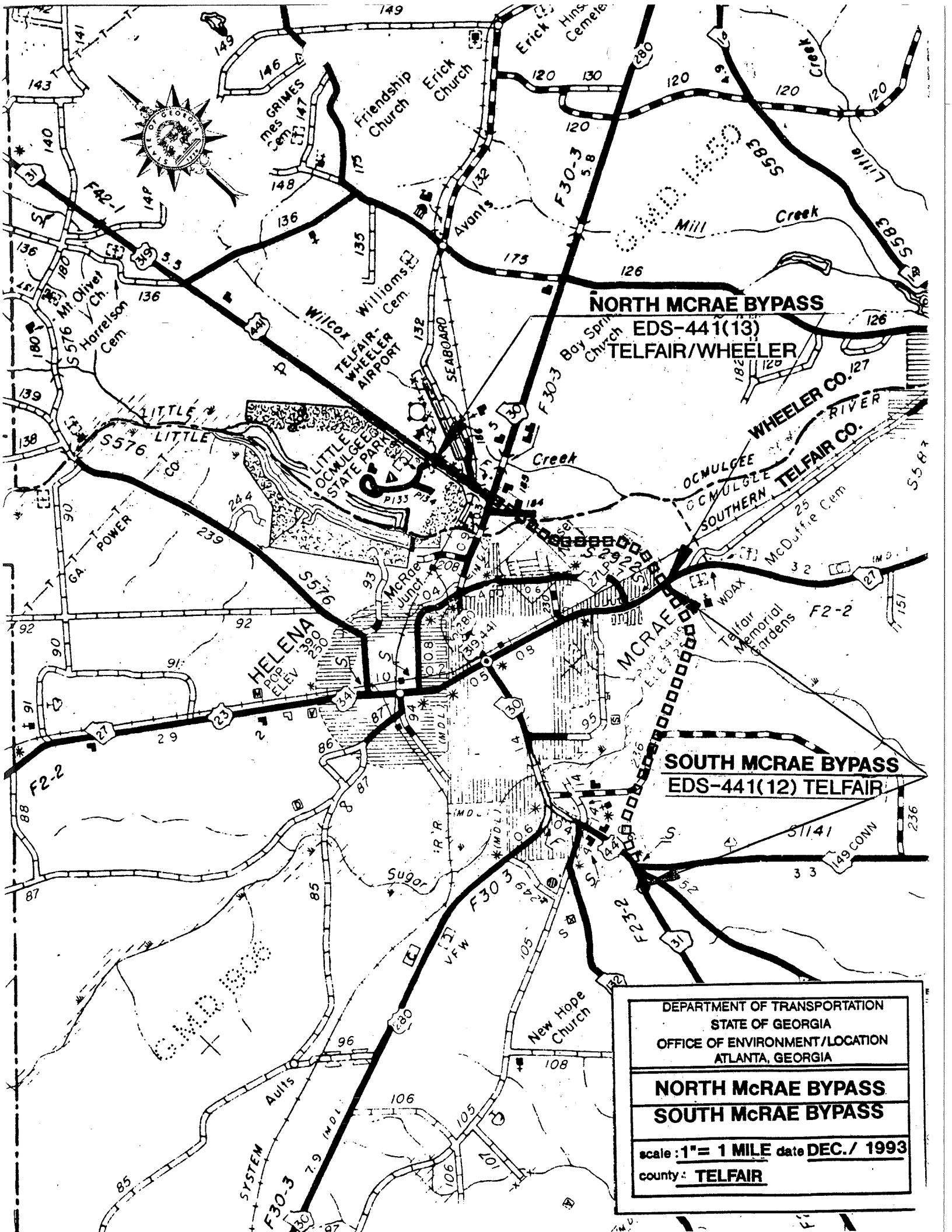
Attachments: Sketch Map
Cost Estimate

Concur:


Hoyt J. Lively, Jr., P.E.
Director of Preconstruction

Approve:


Frank L. Danchetz, P.E., State Highway Engineer



NORTH MCRAE BYPASS

EDS-441(13)
TELFAIR/WHEELER

SOUTH MCRAE BYPASS

EDS-441(12) TELFAIR

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

NORTH McRAE BYPASS
SOUTH McRAE BYPASS

scale : 1" = 1 MILE date DEC. / 1993
county : **TELFAIR**

PRELIMINARY COST ESTIMATE

OFFICE OF ENVIRONMENT/LOCATION

P.I. NO: 531100

DATE: 02-09-1994

PROJECT NO: EDS-441(12)

PROJECT NAME: SOUTH MCRAE BYPASS

COUNTY: TELFAIR

PROJECT DESCRIPTION: FROM 0.2 MILE SOUTH OF SR 149 CONN. INTERSECTION @
US 441 NORTH THEN, NORTHEASTERLY TO APPROXIMATELY 0.4 MILE SOUTH OF S
2922.

PROJECT LENGTH: 2.900 MILES

SECTION LENGTH: 2.900 MILES

TYPICAL SECTION:

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

Minimum R/W = 250 ft

EXISTING ROADWAY (If Applicable): N/A

TRAFFIC:

INITIAL DESIGN YEAR: 1993

DAILY VOLUME (AADT): 2,100

FINAL DESIGN YEAR: 2013

DAILY VOLUME (AADT): 3,450

() FEASIBILITY STUDY () PRE-PROGRAMMING PROCESS (X) PROGRAMMING PROCESS

COMMENTS: CONTINUOUS MOVEMENT WILL BE ALONG THE US 441 CORRIDOR WHICH IS A

G.R.I.P. CORRIDOR.

PREPARED BY: ROBINSON

PROJECT COSTS

A. RIGHT-OF-WAY

1. PROPERTY (Land and Easements)	\$ 0
2. DISPLACEMENTS	\$ 0
3. OTHER COST	\$ 767,000

SUBTOTAL \$ 767,000

B. REIMBURSABLE UTILITIES

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

SUBTOTAL \$ 0

C. MAJOR STRUCTURES

1. WALLS	\$ 0
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2. BRIDGE STREAM CROSSING	\$ 924,000
SUGAR CREEK- 320' L X 38' W X \$38/SF X 2	

3. BRIDGE OVER/UNDERPASS	\$ 0
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4. BOX CULVERTS	\$ 0
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SUBTOTAL \$ 924,000

D. GRADING AND DRAINAGE

1. EARTHWORK

a. UNCLASSIFIED EXCAVATION SOIL	\$ 400,000
200,000 CY @ \$2.00	
b. UNCLASSIFIED EXCAVATION ROCK	\$ 0
0 CY @ \$4.00	
c. BORROW EXCAVATION	\$ 180,000
60,000 CY @ \$3.00	

2. DRAINAGE

a. MINOR DRAINAGE (INCLUDING CROSS DRAIN PIPES & LONGITUDINAL SYSTEM)	\$ 238,000
2.900 MILES @ \$82,080	
b. CURB AND GUTTER	\$ 0
0 LF @ \$7.34	

SUBTOTAL \$ 818,000

PROJECT COSTS

con't.

E. BASE AND PAVING

1. GRADED AGGREGATE BASE	\$ <u>646,000</u>
10.00" -- 56,348 T @ \$11.46	
2. ASPHALT PAVING	
a. ASPHALTIC CONCRETE "E"	\$ <u>378,000</u>
2.00" -- 11,739 T @ \$32.22	
b. ASPHALTIC CONCRETE "B"	\$ <u>706,000</u>
4.00" -- 23,478 T @ \$30.09	
c. ASPHALTIC CONCRETE BASE	\$ <u>0</u>
0.00" -- 0 T @ \$29.14	
d. BITUMINOUS TACK COAT	\$ <u>6,000</u>
7,904 G @ \$0.81	
3. CONCRETE PAVING	\$ <u>50,000</u>
4. OTHER PAVING	\$ <u>229,000</u>
SUBTOTAL	\$ <u>2,015,000</u>

F. LUMP ITEMS

1. TRAFFIC CONTROL	\$ <u>30,000</u>
2. CLEARING AND GRUBBING	\$ <u>413,000</u>
88 ACRES @ \$4,700	
3. LANDSCAPING	\$ <u>148,000</u>
2.900 MILES @ \$51,000	
4. EROSION CONTROL	\$ <u>139,000</u>
2.900 MILES @ \$48,000	
5. DETOURS (INCL. TEMP. BRIDGES)	\$ <u>0</u>
SUBTOTAL	\$ <u>730,000</u>

G. MISCELLANEOUS

1. SIGNING/STRIPING	\$ <u>107,000</u>
2.900 MILES @ \$37,000	
2. GUARDRAIL	\$ <u>58,000</u>
5,600 LF @ \$9.33 + 8 Anchors @ \$773.52	
3. OTHER	\$ <u>467,000</u>
2.900 MILES @ \$161,100	
SUBTOTAL	\$ <u>632,000</u>

H. SPECIAL FEATURES

\$ 0

ESTIMATE SUMMARY

		SECTION COST (per mile)
A. RIGHT-OF-WAY.....	\$ 767,000	\$ 264,000
B. REIMBURSABLE UTILITIES.....	0	0

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES.....	\$ 924,000	
D. GRADING AND DRAINAGE.....	\$ 818,000	
E. BASE AND PAVING.....	\$ 2,015,000	
F. LUMP ITEMS.....	\$ 730,000	
G. MISCELLANEDUS.....	\$ 632,000	
H. SPECIAL FEATURES.....	\$ 0	
 SUBTOTAL CONSTRUCTION COST.....	\$ 5,119,000	\$ 1,765,000
 E. & C. (10%).....	\$ 512,000	
 INFLATION... <u>2 yr(s) @ 5% per year</u> \$	<u>578,000</u>	
 TOTAL CONSTRUCTION COST.....	\$ 6,209,000	\$ 2,141,000

GRAND TOTAL CONSTRUCTION COST \$ 6,976,000 \$ 2,406,000

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