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D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE NH-005-5(37)SP, Bulloch County **OFFICE** Preconstruction
P. I. No. 522830 **DATE** March 19, 2001
CW Hutto
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
Harvey Keeper
Jerry Hobbs
Herman Griffin
Michael Henry
Marion Waters
Marta Rosen
Jimmy Chambers (ATTN: Ted Cashin)
Gary Priester

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

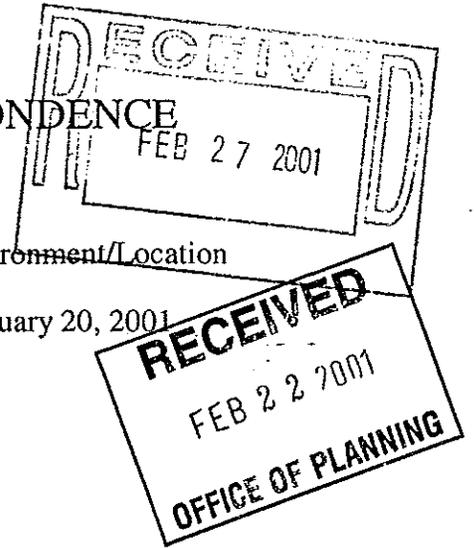
FILE NH-005-5(37)SP, Bulloch County
P.I. No. 522830

OFFICE Environment/Location
DATE February 20, 2001

FROM *HDK*
Harvey D. Keeper, State Environmental/Location Engineer

TO C. Wayne Hutto, Assistant Director of Preconstruction

SUBJECT Revised Project Concept Report – North Statesboro Bypass



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

The proposed change to the approved concept would be a revision to the alignment. The east/west section of the approved concept would be shifted north approximately 0.25 miles to avoid impacts to newly expanded boundaries of two eligible historic resources along CR 581/Lake View Rd.

The revised concept as presented herein and submitted for approval is not included in the State Transportation Improvement Program (STIP) and Bulloch County is not included in a Regional Transportation Improvement Program (RTP). This project is scheduled for Long Range in the Department's Construction Work Program.

DATE 2/23/01

Mitchell Rosen

State Transportation Planning Administrator

Distribution:

- David Mulling
- Marion Waters
- Marta Rosen
- Herman Griffin
- Jim Kennerly
- Gary Priester
- Paul Liles

REVISED PROJECT CONCEPT REPORT

Need and Purpose: The proposed project, NH-005-5(37) would involve the construction of a 3.7 mile, four lane connector route on new location from the West Statesboro Bypass to the East Statesboro Bypass in Statesboro. The proposed North Statesboro Bypass is the last remaining link to completing a bypass facility around Statesboro. Currently, 14.1 miles of a total of 17.8 miles of roadway (79%) has been constructed. The proposed North Statesboro Bypass will provide connectivity between US 25/80 and US 301 where no direct connecting road exists, thus alleviating the need for east-to-west traveling motorists to travel unnecessarily into and out of the city. Construction of the North Statesboro Bypass will assist in providing improved access and connectivity of this area of the city. US 25 is a Governor's Road Improvement Program (GRIP) route that extends from Interstate 16 to Interstate 520 in Augusta. The subject project will improve access to this GRIP route for Statesboro's industries and their employees.

Project Location: The proposed concept would be located north of the city of Statesboro in Bulloch County, approximately 0.5 miles outside the city limits between US 25/SR 67 and US 301/SR 75. The total length of the project would be 3.7 miles.

Description of the approved concept: The approved concept for NH-005-5(37) in Bulloch County is proposed to construct a multi-lane roadway that would bypass Statesboro on the north side. It would begin at the intersection of the West Statesboro Bypass and US 25/SR 67 approximately 1.2 miles northwest of the Statesboro city limits. The concept would then extend northeastward on new location for approximately 0.8 miles and then turn eastward and intersect CR 581/Lake View Rd. approximately 0.5 miles north of the Statesboro city limits. It would then proceed southeastward, bridging the Central of Georgia Railroad and CR 452, and tie into US 301/SR 75 at the East Statesboro Bypass, approximately 0.5 miles north of the Statesboro city limits, where the project would end.

The project is proposed as a four lane divided roadway, two lanes in each direction with a 32' depressed grassed median and open ditch drainage. The proposed right-of-way would vary from 250 feet to 310 feet throughout the project. The speed design is 55 mph, and access would be partially controlled.

PDP Classification: Major/Construction on new location

Full Oversight (), Exempt (X), SF (), Other ()

Functional Classification: Rural Principal Arterial

U. S. Route Number(s): N/A

State Route Number(s): N/A

Traffic (AADT) as shown in the approved concept:

Current Traffic		Design Traffic	
Year: 2003	AADT: 5650 - 5950	Year: 2023	AADT: 10600 - 11150

PRELIMINARY COST ESTIMATE

Office of Environment/Location

March 2, 2001

County(s)

PI Number Project Number

Project Name Project Length Miles

Project Description

Existing Roadway

Comments

TRAFFIC:

Current Design Year Daily Volume (AADT)

Future Design Year Daily Volume (AADT)

Concept Estimate

Feasibility Estimate

Typical Section(s) Used in Estimate

Typical Section Length

<input type="text" value="Rural New Location: 4-Lanes with 32 ft Divided Median"/>	<input type="text" value="3.9"/> Miles
<input type="text"/>	<input type="text"/> Miles
<input type="text"/>	<input type="text"/> Miles
<input type="text"/>	<input type="text"/> Miles
<input type="text"/>	<input type="text"/> Miles
<input type="text"/>	<input type="text"/> Miles

Prepared By

PROJECT COSTS

MAJOR STRUCTURES

1. Bridges: Stream Crossings & Grade Separations

NO	LOCATION	QTY	TYPE *		W(FT)	L(FT)	UNIT COST	TOTAL
			S/G/R	W/N				
1	Bridge over Central of Georgia Railro	2	R	N	41.3	366.0	70.00	2,116,000
2	Bridge over Belcher Branch Sta. 302-	2	S	N	41.3	52.0	54.00	232,000
3	Bridge over Belcher Branch Sta. 388-	2	S	N	41.3	52.0	54.00	232,000
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

* S = Stream Crossing G = Grade Separation R = Railroad W = Widening N = New

2. Bridge Culverts

NO	LOCATION	TYPE	SIZE	L(FT)	UNIT COST	TOTAL
		S/D/T/Q	W x H (FT)			
1						
2						
3						
4						
5						
6						
7						

3. Walls

NO	LOCATION	TYPE	H(FT)	L(FT)	UNIT COST	TOTAL
1						
2						
3						
4						

MAJOR STRUCTURES SUBTOTAL \$ 2,580,000

Typical Section

Rural New Location: 4-Lanes with 32 ft Divided Median

Typical Section Length Miles

Right-of-Way Width Feet

GRADING AND DRAINAGE

1. EARTHWORK

- a. Unclassified Excavation Soil
- b. Unclassified Excavation Rock
- c. Borrow Excavation

2. MINOR DRAINAGE

QUANTITY	UNIT	UNIT COST	TOTAL
377,730	CY	2.00	755,000
41970	CY	9.00	378,000
360,700	CY	5.00	1,804,000
3.9	MI	87,826	343,000

GRADING AND DRAINAGE SUBTOTAL **\$3,280,000**

BASE AND PAVING

1. GRADED AGGREGATE BASE

2. ASPHALT PAVING

- a. Asph Conc 9.5 mm Superpave
- b. Asph Conc 19 mm Superpave
- c. Asph Conc 25 mm Superpave
- d. Bituminous Tack Coat

3. CONCRETE PAVING

- a. Curb and Gutter
- b. Miscellaneous

4. OTHER PAVING

THICKNESS AND SPREAD RATE	QUANTITY	UNIT	UNIT COST	TOTAL
10"	70,011	TN	13.05	914,000
1 1/2" (165 LB/SY)	11,326	TN	34.55	391,000
3" (330 LB/SY)	22,651	TN	34.54	782,000
4" (440 LB/SY)	24,161	TN	34.62	836,000
	13,049	GL	0.82	11,000
	0	LF	9.39	0
	0	MI	42,000	0

BASE AND PAVING SUBTOTAL **\$3,227,000**

LUMP ITEMS

- 1. TRAFFIC CONTROL
- 2. CLEARING AND GRUBBING
- 3. LANDSCAPING
- 4. EROSION CONTROL
- 5. SIGNING/STRIPING
- 6. OTHER

QUANTITY	UNIT	UNIT COST	TOTAL
3.9	MI	35,652	139,000
104	AC	6,000	624,000
3.9	MI	58,184	227,000
3.9	MI	97,000	378,000
3.9	MI	19,321	75,000
3.9	MI	83,478	326,000

LUMP ITEM SUBTOTAL **\$1,769,000**

MISCELLANEOUS

- 1. GUARDRAIL
 - a. GUARDRAIL ANCHORS
- 2. DETOURS

QUANTITY	UNIT	UNIT COST	TOTAL
8,130	LF	10.11	82,000
16	EA	435.59	7,000
0	MI	300,000.00	0

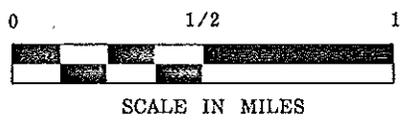
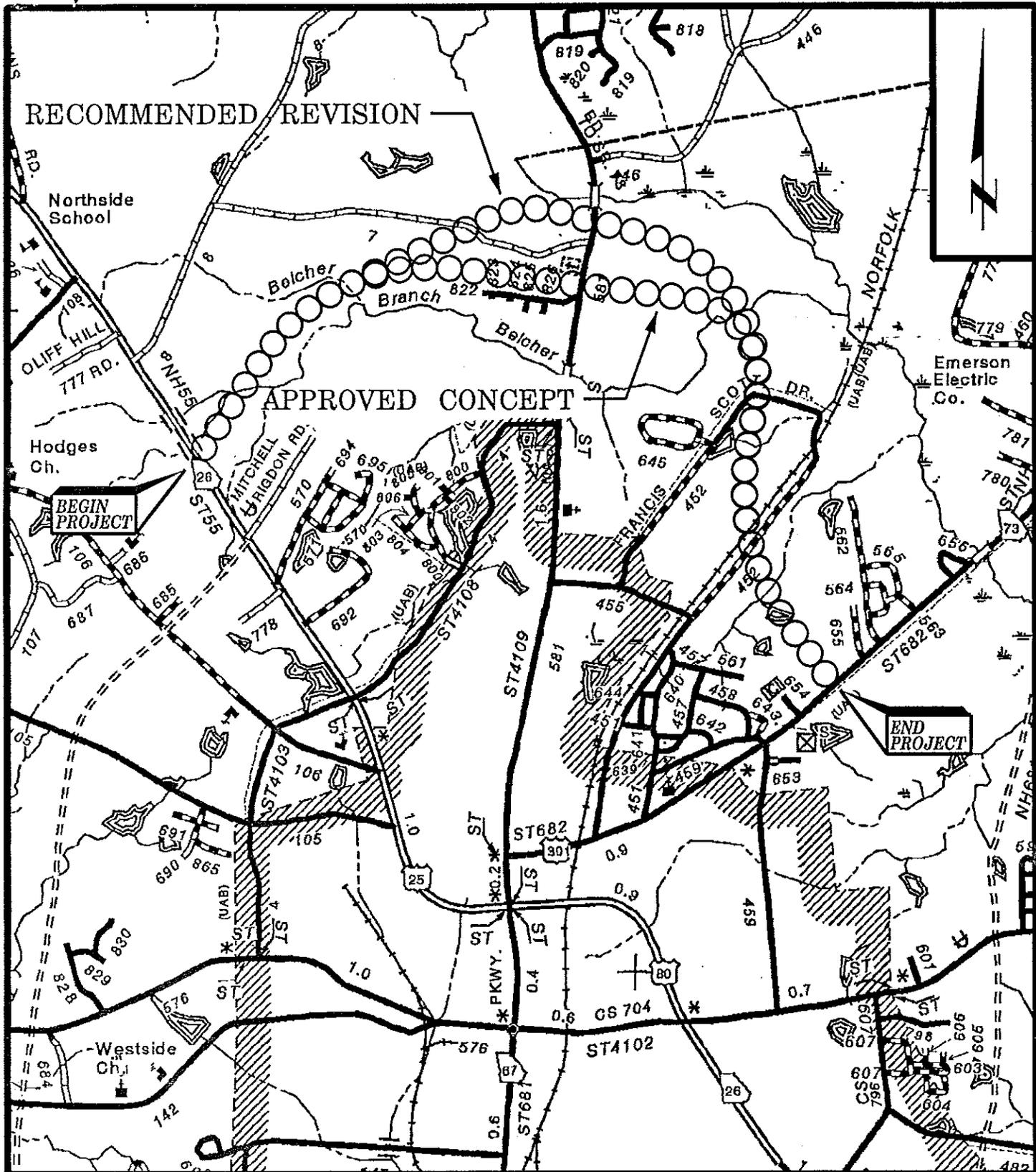
MISCELLANEOUS SUBTOTAL **\$89,000**

SPECIAL FEATURES

ESTIMATE SUMMARY

Typical Section	Section Cost (per mile)
1. Rural New Location: 4-Lanes with 32 ft Divided Median	\$2,122,000

PROJECT COST	
A. MAJOR STRUCTURES	\$2,580,000
B. GRADING AND DRAINAGE	\$3,280,000
C. BASE AND PAVING	\$3,227,000
D. LUMP ITEMS	\$1,769,000
E. MISCELLANEOUS	\$89,000
F. SPECIAL FEATURES	
SUBTOTAL CONSTRUCTION COST	\$10,945,000
E. & C. (10%)	\$1,095,000
INFLATION 2 yrs @ 5 % per yr	\$1,234,100
GRAND TOTAL CONSTRUCTION COST	\$13,274,000



STRIP MAP
NH-005-5(37)
NORTH STATESBORO BYPASS
BULLOCH COUNTY
P.I.# 522830

SOURCE: GENERAL HIGHWAY MAP, BULLOCH CO., GEORGIA
PREPARED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION, 1996