

ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-1375(5) Cherokee County **OFFICE** Preconstruction
P. I. No. 630977

DATE July 8, 1998

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:

Walker Scott
Bobby Mustin
David Studstill (ATTN: Harvey Keeper)
Jerry Hobbs
Herman Griffin
Marta Rosen (ATTN: Michael Henry)
Marion Waters
Toni Dunagan
Charles Law
Jim Kennerly

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

RECEIVED
APR 24 1998

PRECONSTRUCTION

INTERDEPARTMENT CORRESPONDENCE

FILE STP-1375(5) Cherokee County
P.I. No. 630977 Bells Ferry Road

OFFICE Road Design
Atlanta, Georgia

DATE April 10, 1998

FROM *James Kennerly*
James Kennerly, State Road & Airport Design Engineer

TO Walker Scott, Jr., P.E., Director of Preconstruction

SUBJECT Revised Project Concept Report

This project is the widening, with some new location, of a 3.5 kilometer section of Bells Ferry Road from Victoria North Court to just north of North Victoria Road.

The Project Concept Report was originally approved on November 29, 1990. The Project Concept Report was revised and approved on October 3, 1996. The currently approved concept proposes to widen and reconstruct a 3.5 kilometer section of Bells Ferry Road from Docksidess Down Drive to just north of North Victoria Road. The proposed project will widen the existing roadway, with some new location, to provide for four 3.6 meter wide travel lanes, a 6 meter wide raised median and 3 meter wide rural type shoulders (1.2 meter wide paved). Some existing horizontal and vertical alignment changes will be required to meet 70 km/hr design speed.

Our consulting engineering firm has begun plan preparation, and it is now necessary and is proposed to begin the project approximately 120 meters further south at Victoria North Court. Also, it is proposed to use curb and gutter along both sides of the roadway instead of 3 meter wide rural type shoulders in order to reduce right-of-way impacts to the extensive residential development which occurred since the original concept was approved.

	<u>Proposed</u>	<u>Approved</u>	<u>Program Date</u>
Constr.(Incl. Infl.& E&C)	\$5,828,000	\$6,155,000	Long Range
Right-of-Way	LGPA	LGPA	
Utilities	LGPA		

Recommendation: This office recommends that this proposed revision to the concept be approved for implementation.

CONCURRENCE *for completion of PE*

Walker W. Scott, Jr.
Walker W. Scott, Jr., P.E.
Director of Preconstruction

APPROVAL

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

JAK:WHF:crm
Attachments: Sketch Map, Cost Estimate



PRELIMINARY COST ESTIMATE

PROJECT NUMBER: STP-137(5) COUNTY: CHEROKEE
 DATE: APRIL 10, 1998 ESTIMATED LETTING DATE: L.R.
 PREPARED BY: MICHAEL WILLIAMS PROJECT LENGTH: 3.5 km

() PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT () DURING PROJECT DEV.

PROJECT DESCRIPTION:

WIDENING AND RELOCATION OF BELLS FERRY ROAD FROM VICTORIA
 NORTH COURT CONTINUING NORTH TO AND INCLUDING THE
 INTERSECTION AT NORTH VICTORIA ROAD.

PROPOSED CONCEPT:

FOUR LANE FACILITY WITH A 6 m RAISED MEDIAN. THE EXISTING
 ROADWAY WILL BE RECONSTRUCTED TO OBTAIN DESIRABLE
 HORIZONTAL AND VERTICAL ALIGNMENTS FOR THE DESIGN SPEED OF
 70 km/hr.

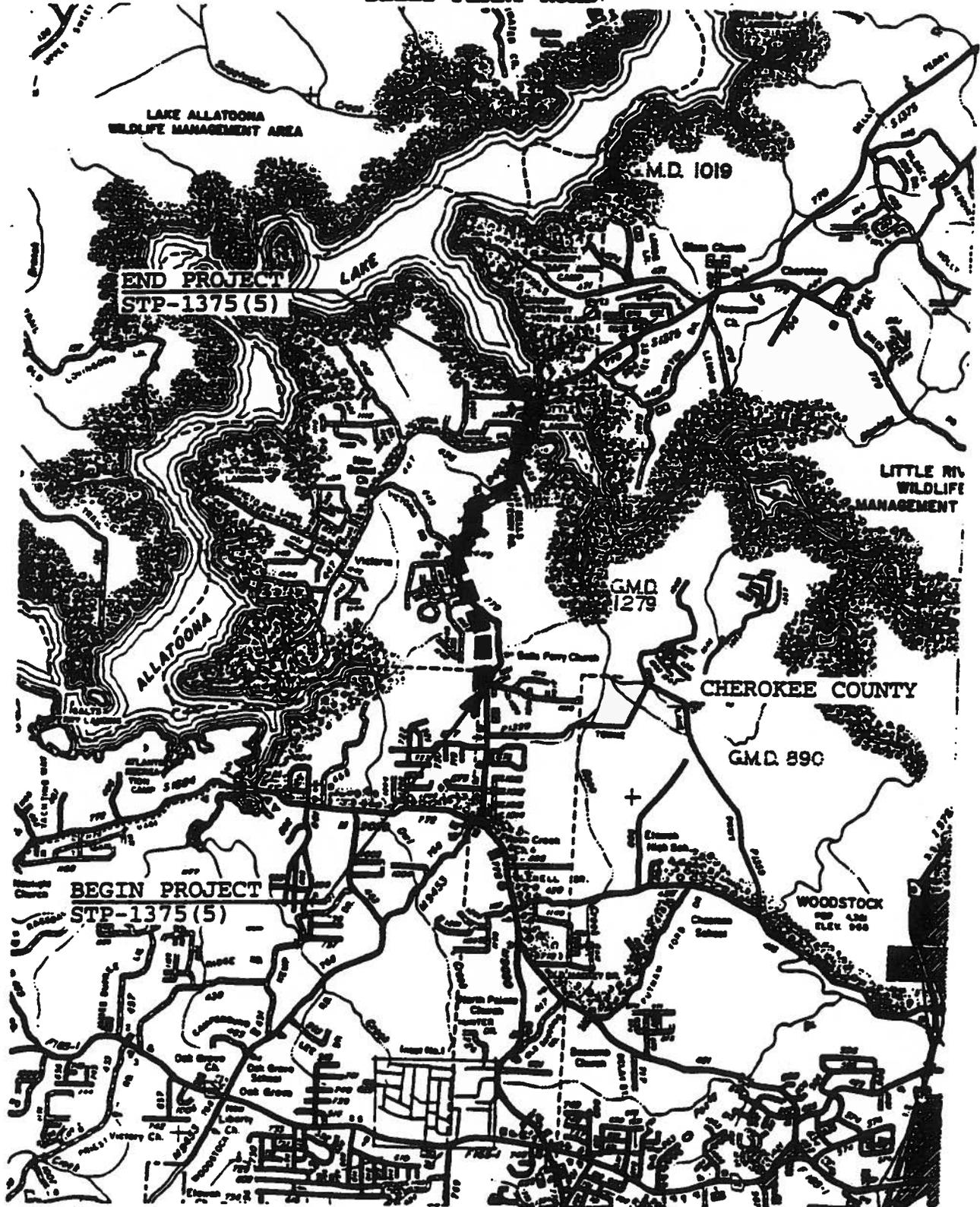
TRAFFIC: EXISTING: 20,000 VPD (1999) DESIGN: 35,000 VPD (2019)

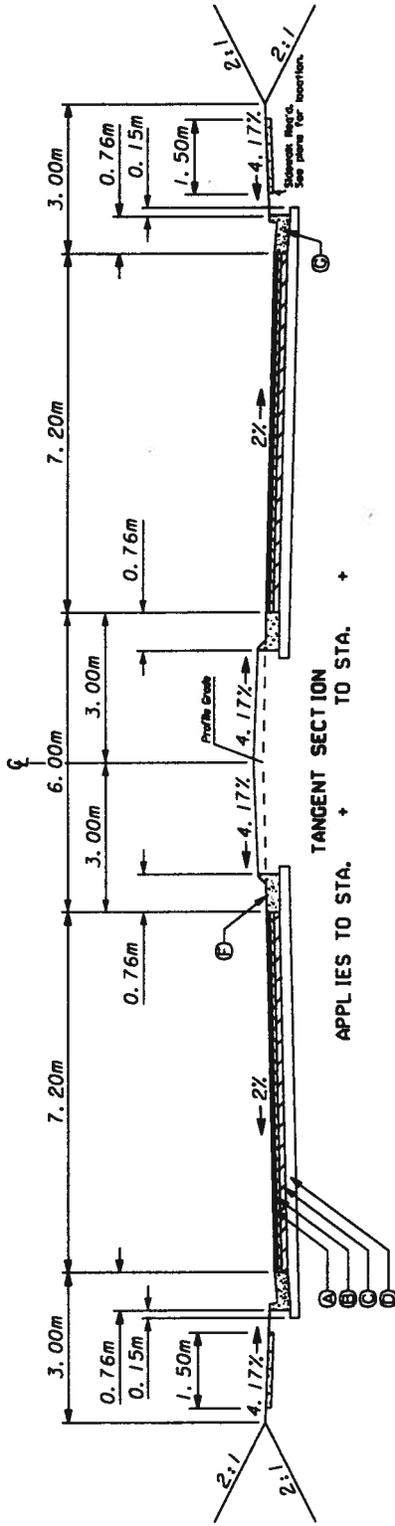
PROJECT COST ESTIMATE		
A. RIGHT-OF-WAY:		
1. PROPERTY (LAND & EASEMENT)	LGPA	
2. DISPLACEMENTS; RES: 0, BUS: 0, M.H.: 0	LGPA	
3. OTHER COST (ADM. / COURT, INFLATION)	LGPA	
SUBTOTAL:		LGPA
B. REIMBURSABLE UTILITIES:		
1. RAILROAD	N/A	
2. TRANSMISSION LINES	LGPA	
3. SERVICES	LGPA	
SUBTOTAL:		LGPA
C. CONSTRUCTION:		
1. MAJOR STRUCTURES		
a. RETAINING WALLS	\$ -	
b. BRIDGES	\$ -	
c. DETOURS BRIDGES	\$ -	
d. BOX CULVERTS	\$ 90,000.00	
SUBTOTAL:		\$ 90,000.00
2. GRADING AND DRAINAGE:		
a. EARTHWORK (270,000 T @ \$3.00)	\$ 810,000.00	
b. DRAINAGE:		
1) CROSS DRAIN PIPE (EXC. BOX CULVERTS)	\$ -	
2) CURB AND GUTTER (46,500 T @ \$9.50)	\$ 441,750.00	
3) LONGITUDINAL SYSTEM (INCL. CATCH BASINS)	\$ 300,000.00	
SUBTOTAL:		\$ 1,551,750.00

3. BASE AND PAVING:		
a. AGGREGATE BASE (45,400 T @ \$12.40)	\$	562,960.00
b. ASPHALT PAVING: Surf. (6250 T @ \$41.00)		
Binder (8500 T @ \$43.20)		
Base (21,750 T @ \$40.00)	\$	1,493,450.00
c. CONCRETE PAVING (VG 3150 SQ.YD. @ \$29.00)	\$	91,350.00
d. BITUMINOUS TACK COAT (7600 GAL @ \$0.85)	\$	6,460.00
	SUBTOTAL:	\$ 2,154,220.00
4. LUMP ITEMS:		
a. TRAFFIC CONTROL	\$	100,000.00
b. CLEARING AND GRUBBING (65 + 10) ACRES @ \$5000.00)	\$	375,000.00
c. LANDSCAPING	\$	-
d. EROSION CONTROL	\$	105,000.00
e. DETOURS	\$	50,000.00
	SUBTOTAL:	\$ 630,000.00
5. MISCELLANEOUS:		
a. LIGHTING	\$	-
b. SIGNING - STRIPING - SIGNAL	\$	70,000.00
c. GUARDRAIL	\$	75,000.00
d. SIDEWALK - MEDIAN BARRIER	\$	200,000.00
	SUBTOTAL:	\$ 345,000.00
6. SPECIAL FEATURES (FIELD ENG. OFF. TYPE 3)	SUBTOTAL:	\$ 45,000.00

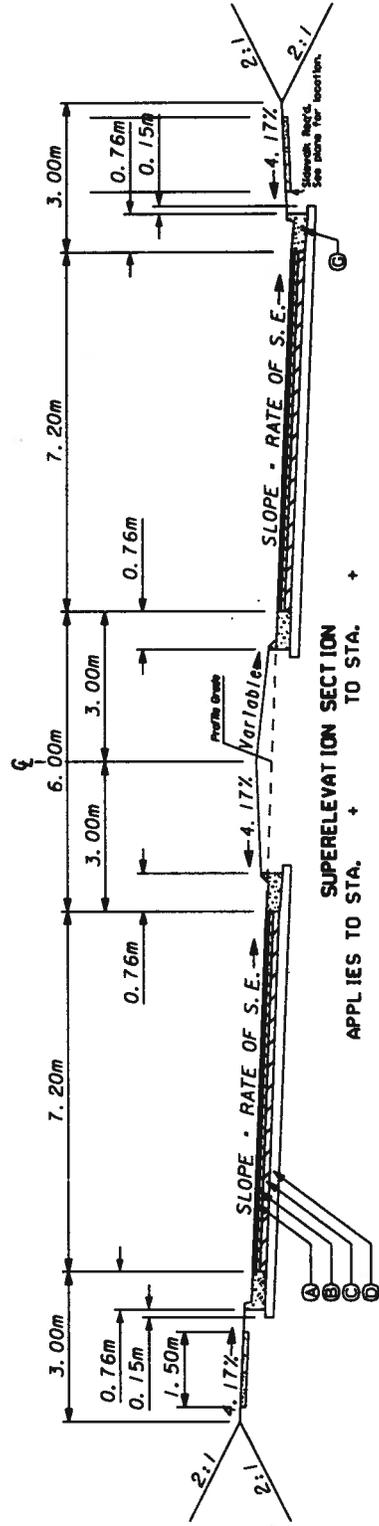
ESTIMATE SUMMARY		
A. RIGHT-OF-WAY		LGPA
B. REIMBURSABLE UTILITIES		LGPA
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$	90,000.00
2. GRADING AND DRAINAGE	\$	1,551,750.00
3. BASE AND PAVING	\$	2,154,220.00
4. LUMP ITEMS	\$	630,000.00
5. MISCELLANEOUS	\$	345,000.00
6. SPECIAL FEATURES	\$	45,000.00
SUBTOTAL CONSTRUCTION COST		\$ 4,815,970.00
E. & C. (10%)	\$	481,597.00
INFLATION (5% PER YEAR FOR 2 YEARS)	\$	529,757.00
TOTAL CONSTRUCTION COST		\$ 5,827,324.00
GRAND TOTAL PROJECT COST		\$ 5,827,324.00

**PROJECT MAP - Project No. : STP-1375(5)
BELLS FERRY ROAD:**





- REQUIRED PAVEMENT**
- Ⓐ 12.5 mm ASPHALTIC CONCRETE (190 kg/m³)
 - Ⓑ 14 mm ASPHALTIC CONCRETE (120 kg/m³)
 - Ⓒ 25 mm ASPHALTIC CONCRETE BASE (360 kg/m³)
 - Ⓓ 300 mm DRAPEL AGGREGATE BASE COURSE
 - Ⓔ ASPHALTIC CONCRETE LEVELING, AS REQ'D
 - Ⓕ 200mm x 750mm CONC. CURB & GUTTER, GA. STD. 9032 B, TYPE 7
 - Ⓖ 200mm x 750mm CONC. CURB & GUTTER, GA. STD. 9032 B, TYPE 2



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE OFFICE Planning
DATE June 11, 1998

FROM *REB* Toni Dunagan, Transportation Planning Administrator
TO James Kennerly, State Road & Airport Design Engineer

SUBJECT STP-1375(5) Cherokee County
P.I.: 630977 Bells Ferry Road

This project is not in the current (FY 1998-2000) or the proposed ITIP (FY 1999-2001). Therefore it can not advance beyond the currently authorized phase, which is P.E.

If you have any questions, please contact Bob Bowling at 657-6916.

TD:REB:mw

cc: Walker Scott
Wayne Hutto