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ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BHS-1375(6) Cherokee County **OFFICE** Preconstruction
P. I. No. 630975
CW Hutto **DATE** June 2, 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 Keepler)
- Jerry Hobbs
- Herman Griffin
- Marta Rosen (ATTN: Michael Henry)
- Marion Waters
- Toni Dunagan
- ~~Jim Kennerly~~
- Charles Law

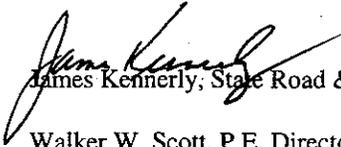
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BHS-1375(6) Cherokee County
P.I. No. 630975
Little River Bridge

OFFICE Road Design
Atlanta, Georgia

DATE April 28, 1998

FROM 
James Kennerly, State Road & Airport Design Engineer

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

SUBJECT Revised Project Concept Report

This project is the replacement of the existing two lane Little River bridge on Bells Ferry Road with a new four lane concrete bridge. The project begins on Bells Ferry Road at North Victoria Road and continues north for a distance of 1.02 kilometers.

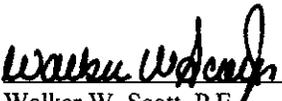
The Project Concept Report was originally approved on April 23, 1992. The Project Concept Report was revised and approved on April 5, 1995 and again on December 12, 1996. The currently approved concept proposes to begin at the North Victoria Road/Bells Ferry Road intersection and extends north for 1.02 kilometers. The existing two lane bridge would be widened to provide two 3.6 meter travel lanes in each direction and a 6 meter wide raised median. The existing roadway would be widened to provide for two 3.6 meter wide travel lanes in each direction, a 6 meter wide raised median and 3 meter wide rural type shoulders (1.2 meter wide paved).

Subsequently, the Maintenance Office reversed the recommendation to widen the existing bridge. The recommendation now is to replace the existing bridge with a new concrete bridge. The recommendation change was based on the cost benefit to the Department of the bridge being replaced rather than widened. Therefore, it is proposed to revise the concept to include a new bridge. Also, it is proposed to construct the approaches to the bridge to provide two 3.6 meter wide travel lanes in each direction, a 6 meter wide raised median, urban type shoulders with curb and gutter and 1.5 meter wide concrete sidewalk on both sides.

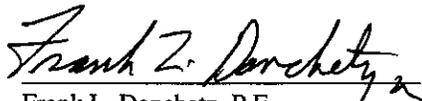
	<u>Proposed</u>	<u>Approved</u>	<u>Let Date</u>
Constr. (Incl. Infl. & E&C)	\$5,067,000	\$4,875,000	98-10
Right-of-Way	LGPA	LGPA	
Utilities	LGPA	LGPA	

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

CONCURRENCE


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

APPROVAL


Frank L. Danchetz, P.E.
Chief Engineer

JAK:WHF:crm
Attachments: Sketch Map
Cost Estimate
Typical Section



PRELIMINARY COST ESTIMATE

PROJECT NUMBER: BHS-1375(6)

COUNTY: CHEROKEE

DATE: 17-APRIL-1998

ESTIMATED LETTING DATE: OCT-1999

PREPARED BY: CALVIN HARRIS

PROJECT LENGTH (MILES): 0.63

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

PROJECT COST	
A. RIGHT-OF-WAY:	
1. PROPERTY (LAND & EASEMENT)	\$ 0
2. DISPLACEMENTS; RES:0, BUS;0, M.H.:0	\$ 0
3. OTHER COST (ADM./COST, INFLATION)	\$ 0
SUBTOTAL:A	\$ 0
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$ 0
2. TRANSMISSION LINES	\$ 0
3. SERVICES	\$ 0
SUBTOTAL:B	\$ 0
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	\$ 0
a. RETAINING WALLS	\$ 0
b. BRIDGES 88' x 280'	\$ 1,239,280
c. DETOURS BRIDGES	\$ 0
d. BOX CULVERTS	\$ 0
SUBTOTAL:C-1	\$ 1,239,280
2. GRADING AND DRAINAGE:	
a. EARTHWORK	\$ 420,000
b. DRAINAGE:	
1) Cross Drain Pipe (exclude box culverts)	\$ 25,000
2) Curb and Gutter	\$ 125,000
3) Longitudinal System(include catch basins)	\$ 50,000
SUBTOTAL:C-2	\$ 620,000

PROJECT COST		
3. BASE AND PAVING:		
a. AGGREGATE BASE		\$ 132,000
b. ASPHALT PAVING: Surface	\$ 42,000	
Binder	\$ 65,500	
Base	\$ 107,000	
SUBTOTAL:C-3.b		\$ 214,500
c. CONCRETE PAVING		\$ 0
d. OTHER		\$ 54,000
SUBTOTAL:C-3		\$ 400,500
4. LUMP ITEMS:		
a. TRAFFIC CONTROL		\$ 10,000
b. CLEARING AND GRUBBING		\$ 15,000
c. LANDSCAPING		\$ 0
d. EROSION CONTROL		\$ 25,000
e. DETOURS		\$ 0
SUBTOTAL:C-4		\$ 50,000
5. MISCELLANEOUS:		
a. LIGHTING		\$ 0
b. SIGNING - STRIPING - SIGNAL		\$ 20,000
c. GUARDRAIL		\$ 40,000
d. SIDEWALK - MEDIAN BARRIER		\$ 87,500
SUBTOTAL:C-5		\$ 147,500
6. SPECIAL FEATURES (ROCK EMBANKMENT - 1,700,000)		
(FIELD ENGINEER'S OFFICE - 30,000	SUBTOTAL:C-6	\$ 1,730,000

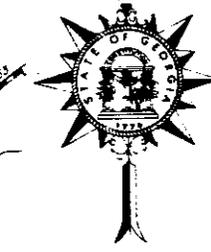
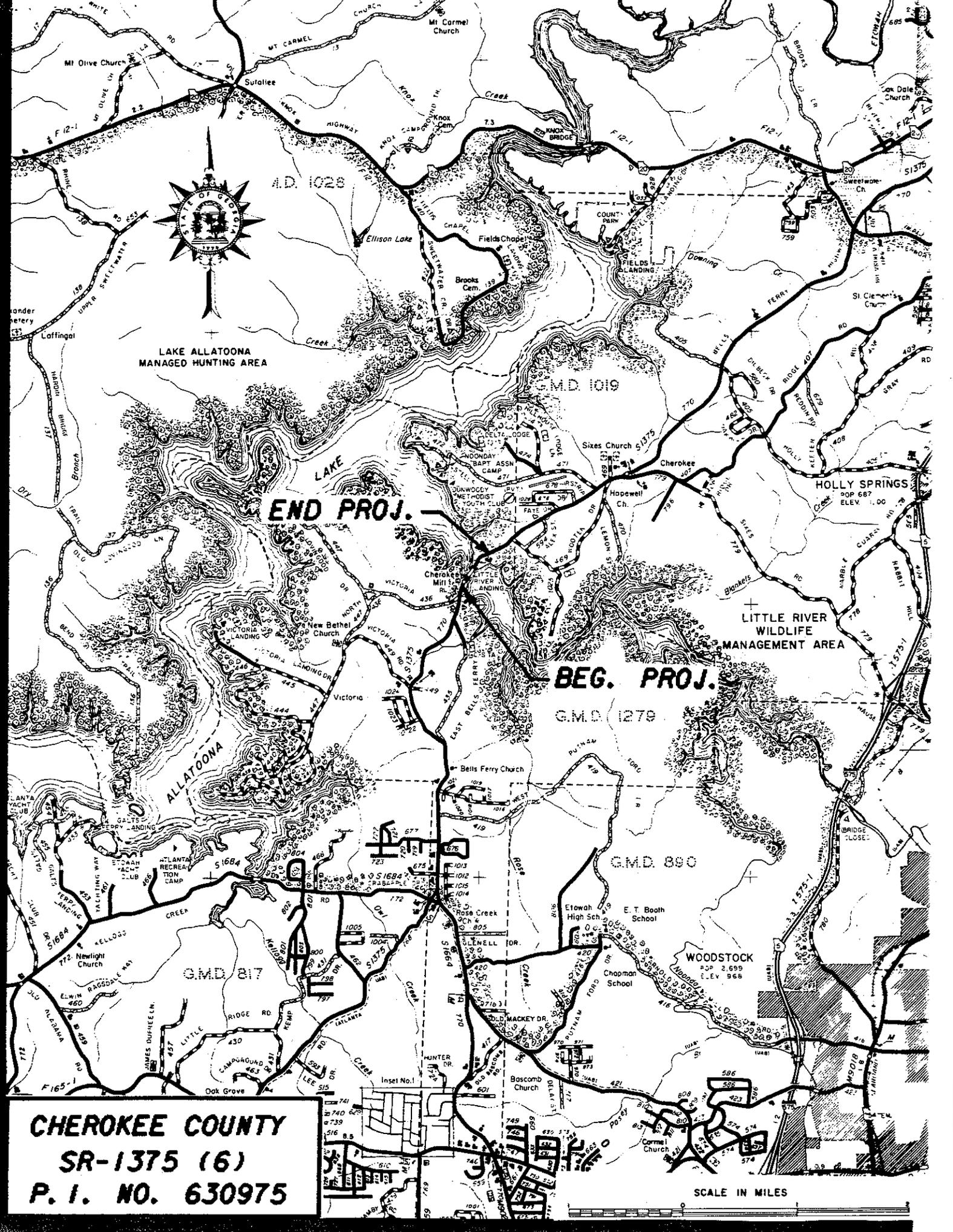
ESTIMATE SUMMARY		
A. RIGHT-OF-WAY		\$
B. REIMBURSABLE UTILITIES		\$
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$ 1,239,280	
2. GRADING AND DRAINAGE	\$ 620,000	
3. BASE AND PAVING	\$ 400,500	
4. LUMP ITEMS	\$ 50,000	
5. MISCELLANEOUS	\$ 147,500	
6. SPECIAL FEATURES	\$ 1,730,000	
SUBTOTAL CONSTRUCTION COST	\$ 4,187,280	
E. & C. (10%)	\$ 418,728	
INFLATION (5% PER YEAR)	\$ 460,601	
NUMBER OF YEARS	2	
TOTAL CONSTRUCTION COST		\$5,066,609
GRAND TOTAL PROJECT COST		\$5,066,609

$$5,260,000 \times .05 = A.$$

$$(5,260,000 + A)(.05) = B$$

$$(5,260,000 + A + B)(.05) = C$$

$$(5,260,000 + A + B + C)(.05) = D.$$



LAKE ALLATOONA
MANAGED HUNTING AREA

LAKE
END PROJ.

BEG. PROJ.

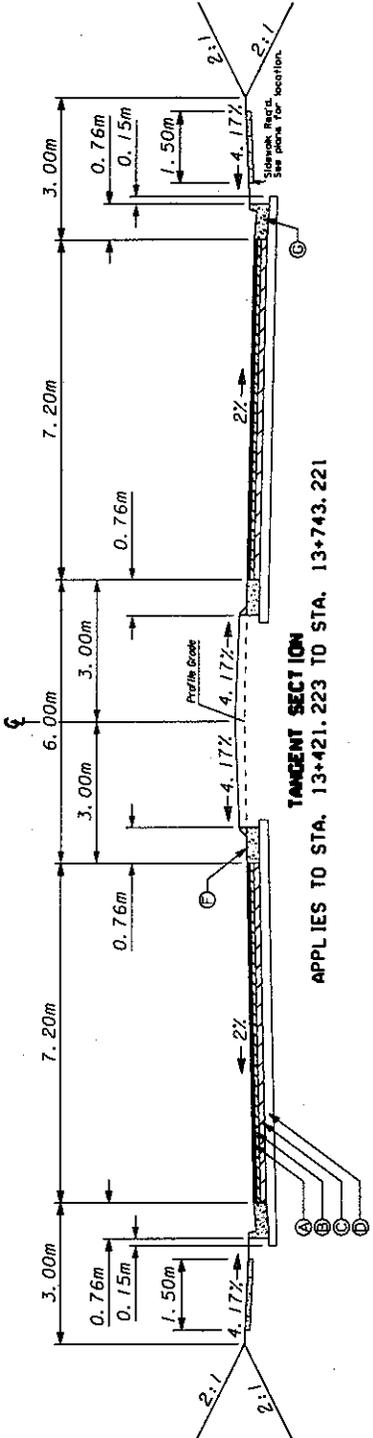
LITTLE RIVER
WILDLIFE
MANAGEMENT AREA

CHEROKEE COUNTY
SR-1375 (6)
P. I. NO. 630975

SCALE IN MILES

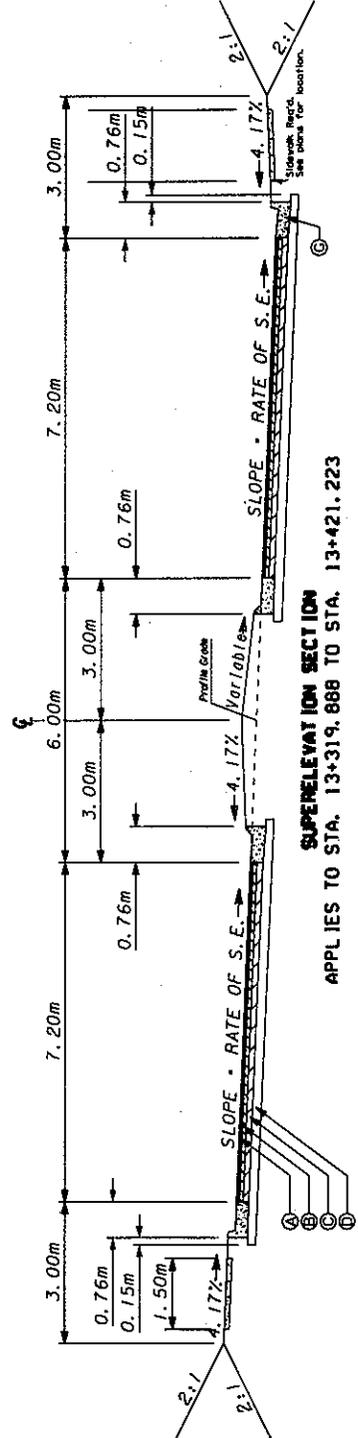


STATE	PROJECT NUMBER	DATE
GA.	BFS-137516	



TANGENT SECTION
APPLIES TO STA. 13+421.223 TO STA. 13+743.221

- REQUIRED PAVEMENT**
- Ⓐ 12.5 mm ASPHALTIC CONCRETE (90 kg/m³)
 - Ⓑ 19 mm ASPHALTIC CONCRETE (120 kg/m³)
 - Ⓒ 25 mm ASPHALTIC CONCRETE (120 kg/m³)
 - Ⓓ 300 mm GRADED AGGREGATE BASE COURSE
 - Ⓔ ASPHALTIC CONCRETE LEVELING, AS BIDD'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



SUPERELEVATION SECTION
APPLIES TO STA. 13+319.888 TO STA. 13+421.223

TYPICAL SECTIONS
BFS 137516
CHEROKEE COUNTY
BELLS FERRY ROAD
AT LITTLE RIVER

