

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE EDS-27(95) Chattooga County
P.I. No. 621082

OFFICE Preconstruction

DATE March 10, 1989

FROM 
R. L. Alston, Assistant Director of Preconstruction

TO Felton Rutledge, District Engineer - Cartersville

SUBJECT PROJECT CONCEPT/ALTERNATE SELECTION REPORT - SR 1/US 27 WIDENING AND
SUMMERVILLE BYPASS

Attached for your further handling is the approved Project Concept/Alternate Selection Report on the above subject project. You may now proceed with the advertisement of the attached notice in the local newspaper.

RLA/se

Attachment

cc: Charles Lewis
Bob Humphrey
Gene Skeen
Walker Scott
Frank Danchetz
Ron Colvin

D.O.F. 88

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE EDS-27(95) Chattooga County
P.I. No. 621082

OFFICE Preconstruction

DATE February 24, 1989

FROM *G. C. Lewis*
G. C. Lewis, Director of Preconstruction

TO Hal Rives, Director

SUBJECT PROJECT CONCEPT/ALTERNATE SELECTION REPORT - SR 1/US 27 Widening and
Summerville Bypass

This project is the reconstruction and relocation of a segment of SR 1/US 27 and the bypassing of Summerville, GA on the east side from CR 329 in Gore, northwesterly along SR 1 to Taylor Ridge, then on new location northerly parallel to CR 218, CR 324, and CR 169, thence to SR 1 near East Trion (7.26 miles). The need for this project is to improve the capacity and safety of this segment of the US 27 corridor. The existing roadway is below standard for the volume of traffic anticipated and impractical to upgrade through Summerville. This route is on the Economic Development System. The existing road is two, 16' lanes with variable width grass shoulders on approximately 100'-120' right-of-way with an open ditch typical section. An existing one mile segment of passing and climbing lane (MP 5.0 to MP 6.0) northbound approaching Taylor Ridge begins one-half mile north of CR 324. There are no existing bridges within the limits of this project. The estimated traffic is 7,880 (SR 1)/3,200 (Bypass) ADT (1990) and 12,300 (SR 1)/5,300 (Bypass) ADT (2010).

It is proposed to reconstruct SR 1 from CR 329 to approximately MP 6.0 (Mack White Gap), then on new location northerly to a point on SR 1/US 27 east of Trion. It is further proposed to provide for two, 12' lanes in each direction with a 4'-14' flush median or a 44' depressed grass median, 10' shoulders, and open ditch on approximately 250' right-of-way. The beginning typical section to the south is a four lane, 44' divided with the new lanes on the east side. It is proposed to extend this typical section northward one-half mile, then transition to a 14' flush median for approximately one mile, utilizing an existing passing lane, then at the crest of Taylor Ridge transition to a 4' flush median for approximately 0.7 mile as it descends down the north slope of Taylor Ridge. From this point, the typical section proposed is a 44' depressed median for the remainder of the project. It is desirable to maintain a 44' divided median throughout this project, but due to potential slide problems on the north slope of Taylor Ridge, a design is proposed to minimize side hill cuts and pull the typical section in as much as possible. Special design changes and a system of external stabilizing are being considered for this 0.7 mile segment. It is further proposed to use a 14' flush median on the south approach to Taylor Ridge to use the existing passing lane and to minimize the side hilling effect. There is no apparent problem in stabilizing the road bed on the south slope. The access for this project is by permit on existing alignment and "partial limited" on new location.

Hal Rives
Page 2
February 24, 1989

EDS-27(95) Chattooga County

The estimated cost for this project is:

	CURRENT ESTIMATE	APPROVED ESTIMATE
Construction (includes E&C and inflation)	\$20,036,000	-0-
Right-of-Way	\$ 1,677,000	-0-
Utilities	\$ 141,000(LGPA)	-0-

This project is in preprogram for PE only.

Alternates considered for this project are: (1) proposed alternate; (2) an alternate paralleling a natural gas pipe line further to the west. This alternate was eliminated due to rough terrain, costs, and displacements.

A public hearing was held on this project September 29, 1988 in Summerville with the following results: 114 citizens in attendance with 21 opposed, 17 supported, 3 conditional support, and 9 undecided. Several commenters wanted a bypass closer to Summerville.

It is recommended that we approve this project concept/alternate selection report and the proposed location as shown at the public hearing, and that the typical section as described, be approved.

It is further proposed that this project be programmed for implementation when funds are available.

GCL:RLA/cj

Attachment

CONCUR

Alva R. Byrom
Alva R. Byrom, State Highway Engineer

APPROVE

Hal Rives
Hal Rives, Commissioner

NOTICE OF FINAL ALTERNATE SELECTION APPROVAL
PROJECT: EDS-27(95) CHATTOOGA COUNTY
WINDSOR SPRINGS ROAD WIDENING
P.I. NO. 621082

Notice is hereby given that the Georgia Department of Transportation has approved the Final Alternate Selection for the location of this project.

This project is the widening of a segment of SR 1/US 27 and a relocation segment forming an alternate bypass around Summerville, GA. The project begins at County Road 329 in Gore and follows the existing road to Taylors Ridge (Mack White Gap) then on new location northerly parallel to CR 218, CR 324, and CR 169 thence to SR 1 near East Trion (7.26 miles). The roadway proposed for this project is a 4 lane roadway divided with a variable median. A public hearing was held on this project September 29, 1988 in Summerville that was well attended.

After reviewing all studies, public input and other supporting data, the Department of Transportation has approved the location as shown at the public hearing and described above.

Maps and preliminary plans for this project are on file and will be available for 10 days from the date of this notice for your public inspection at the Georgia Department of Transportation, Office of Environmental/Location in Atlanta, GA.

Any written request in reference to this notice may be referred to:

Mr. Frank Danchetz, P.E.
State Environmental/Location Engineer
Georgia Department of Transportation
3993 Aviation Circle
Atlanta, Georgia 30336

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE EDS-27(95), Chattooga County OFFICE Environment/Location
P.I. No. 621080
Summerville Bypass & S.R. 1/U.S. 27 Widening DATE January 3, 1989

FROM Frank L. ^{FW}Danchetz, P.E., State Environmental/Location Engineer

TO Hal Rives, Commissioner

SUBJECT FINAL ALTERNATE SELECTION REPORT

The proposed project is for the widening of S.R. 1/U.S. 27 from the community of Gore to Taylor Ridge and to provide a multi laned, high speed bypass around Summerville. Beginning at Mack White Gap on S.R. 1/U.S. 27, the new location section descends northerly to the base and continues along the base of Taylor Ridge.

County Roads 324 and 169 are crossed as the project curves westerly away from Taylor Ridge and ties to S.R. 1/U.S. 27 in East Trion. The total length of this project is 7.3 miles.

The concept is proposed to be a 4-lane divided section with a 44' grassed median on a minimum 250' of right-of-way. Exceptions are at the descent to the base of Taylor Ridge where a 4' median is proposed.

The estimated costs of the project is as follows:

Construction	\$16,558,775
Inflation (5%/yr.)	\$ 1,655,878
E&C (10%)	\$ 1,821,465
Preliminary Engineering (5%)	\$ 827,939
Right-of-Way	\$ 1,677,000
Utilities	\$ 140,920

A total of 114 citizens attended the September 29, 1988 public hearing. Of those commenting, 21 opposed the proposed project, 17 supported it, 3 gave conditional support and 9 were undecided. Several of the commentators wanted a bypass closer to Summerville.

(Cont'd)

Another alternate was considered further west of the public hearing alternative which follows the base of Taylor Ridge. Several property owners who would have landlocked property on the public hearing alternative suggested this route. This alternate generally paralleled a natural gas pipeline. Rougher terrain was traversed in an effort to avoid the Chattooga County landfill, the Chattooga River floodplain and the desirability to keep local roads open for access. More local road reconstruction at proposed intersection was necessary for this alternate. This alternate displaced more residences and would be more costly to construct.

The estimated costs are as follows:

Construction	\$17,380,000
Inflation	1,738,000
E&C	1,912,000
Preliminary Engineering	869,000
Right-of-Way	2,300,000
Utilities	381,500

It is recommended that the proposal displayed at the public hearing be approved.

FLD/HH/sb

Attachments: Strip Map, Typical Sections (4), Cost Estimates (3)

RECOMMENDED:

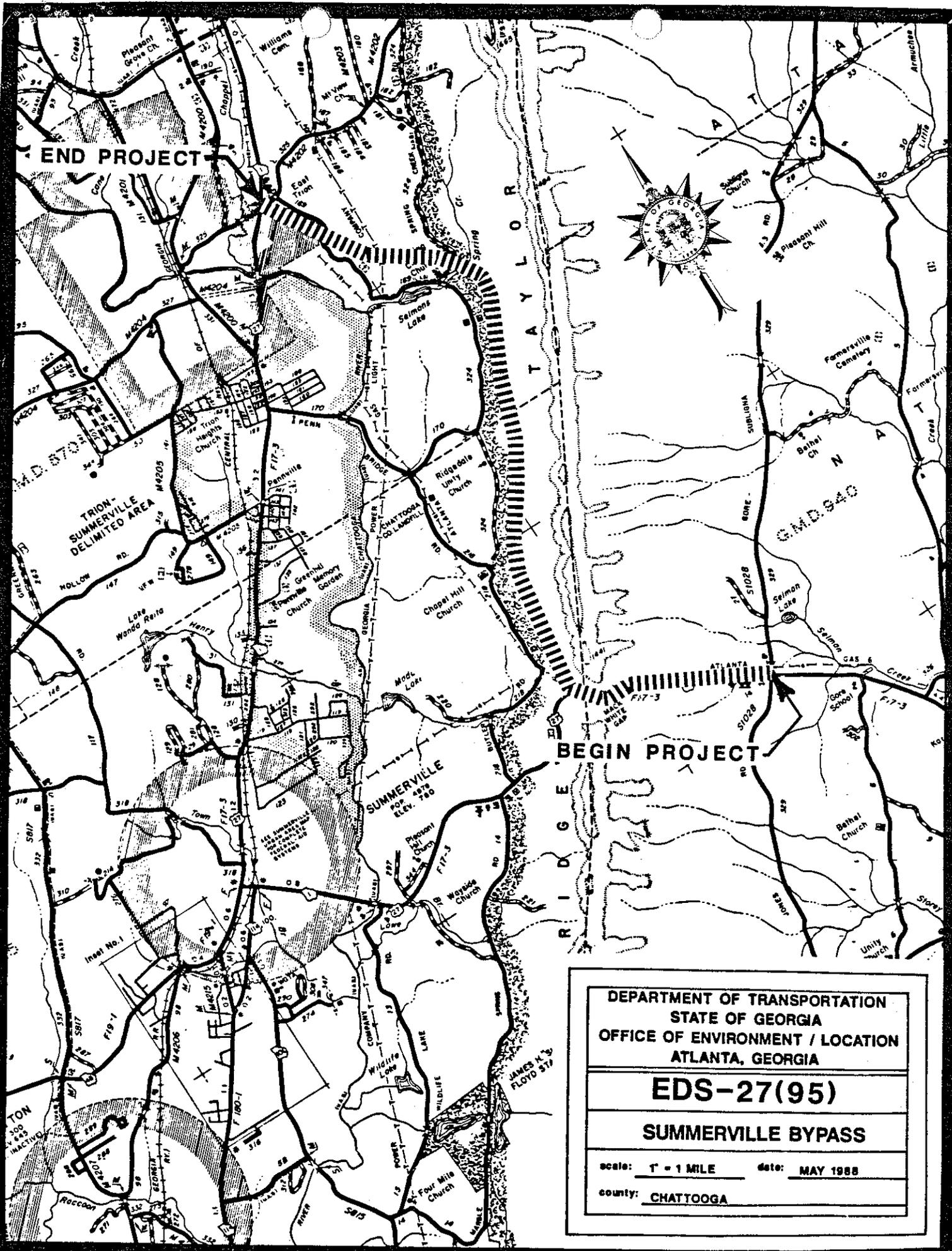
G.C. Lewis
G.C. Lewis, Director of Preconstruction

CONCUR:

Alva R Byrom
Alva Byrom, State Highway Engineer

APPROVED:

Hal Rives, Commissioner



END PROJECT

BEGIN PROJECT

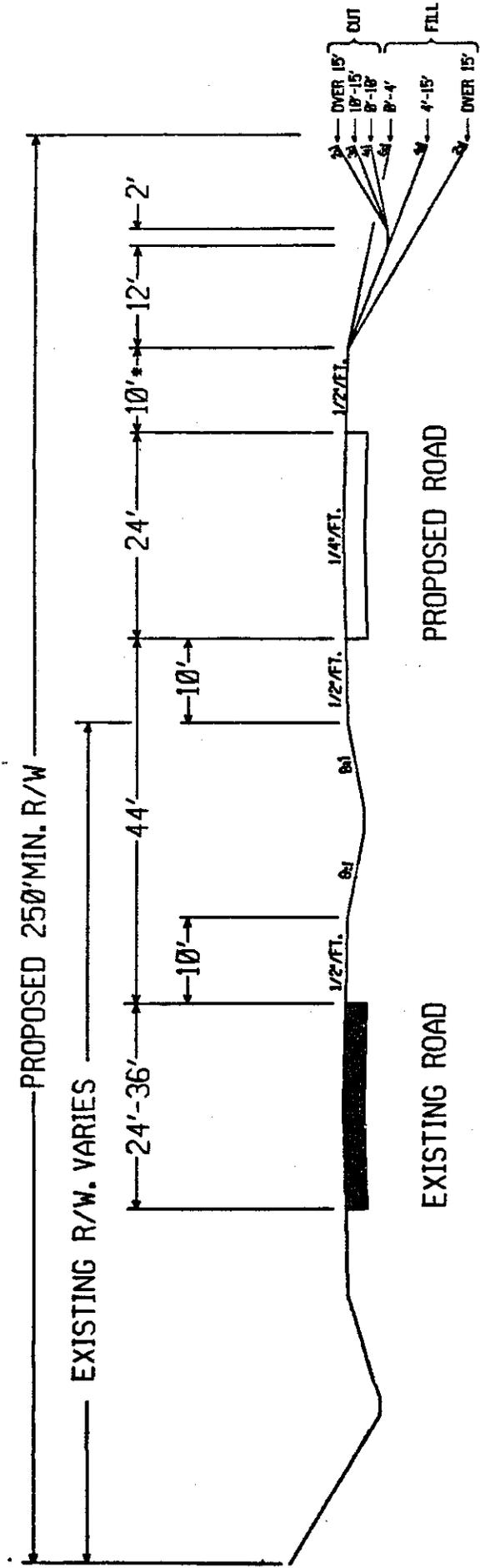
DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA
 OFFICE OF ENVIRONMENT / LOCATION
 ATLANTA, GEORGIA

EDS-27(95)

SUMMERVILLE BYPASS

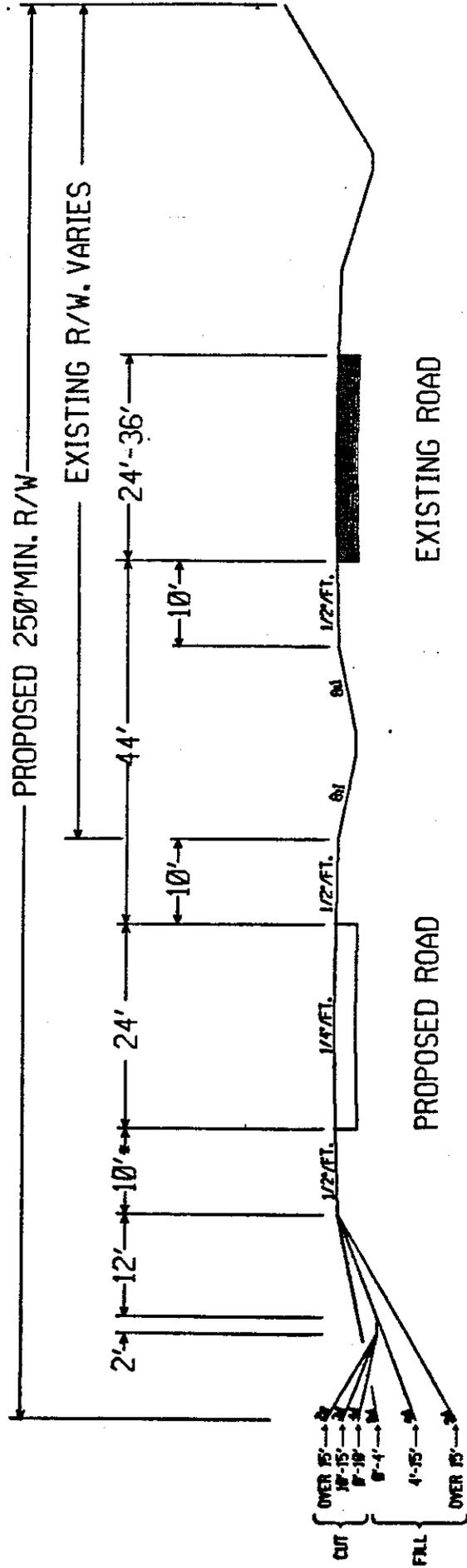
scale: 1" = 1 MILE date: MAY 1988

county: CHATTOOGA

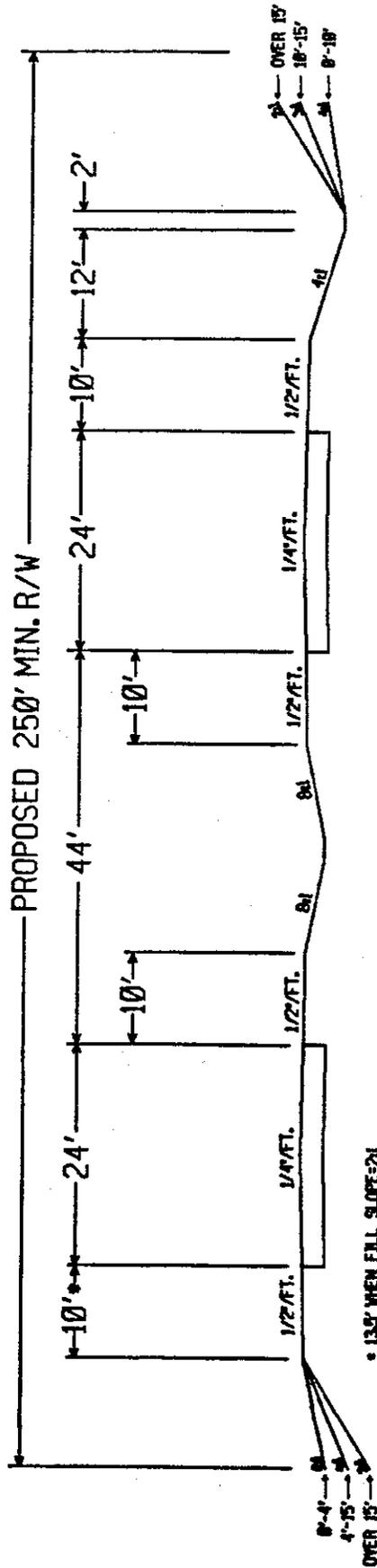


• 13.5' WHEN FILL SLOPE=2:1

TYPICAL CROSS SECTION
 S.R. 1 / C.R. 329 TO APPROX. 1 MILE WEST OF C.R. 329
 EDS 27(95)
 SUMMERVILLE BYPASS
 CHATTOOGA CO.



TYPICAL CROSS SECTION
 APPROX. 1 MILE WEST OF C.R. 329 TO MACK WHITE GAP
 EDS 27(95)
 SUMMERVILLE BYPASS
 CHATTOOGA CO.



TYPICAL CROSS SECTION
 BASE OF TAYLOR RIDGE TO C.R. 325
 EDS 27(95)
 SUMMERVILLE BYPASS
 CHATTOOGA CO.

EDS-27(95)

SECTION I

(C.R. 329/S.R. 1 TO MACK WHITE GAP @ S.R. 1)

ESTIMATE SUMMARY

A. RIGHT-OF-WAY.....	\$	150,000
B. REIMBURSABLE UTILITIES.....	\$	50,000

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES.....	\$	0
D. GRADING AND DRAINAGE. (INCL. 100,000 YD ³ ROCK @ \$5.00/YD ³).....	\$	698,220
E. BASE AND PAVING.....	\$	1,420,879
F. LUMP ITEMS.....	\$	450,350
G. MISCELLANEOUS.....	\$	338,540
H. SPECIAL FEATURES.....	\$	0
		<hr/>
SUBTOTAL CONSTRUCTION COST.....	\$	2,907,989
INFLATION (5% per year).....	\$	298,068
E. & C. (10%).....	\$	290,799
		<hr/>
TOTAL CONSTRUCTION COST.....	\$	3,496,856
		<hr/>

GRAND TOTAL CONSTRUCTION COST \$ 3,696,856

NOTE: ROCK FROM SECTION I NEEDED ON SECTION II

SECTION II

(MACK WHITE GAP @ S.R. 1 TO BASE TAYLOR RIDGE)

ESTIMATE SUMMARY

A. RIGHT-OF-WAY..... (SECTIONS II AND III)	\$ 1,527,000
B. REIMBURSABLE UTILITIES..... (SECTIONS II AND III)	\$ 90,920

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES.....	\$ 0
D. GRADING AND DRAINAGE.....	\$ 1,527,765
E. BASE AND PAVING.....	\$ 867,641
F. LUMP ITEMS.....	\$ 127,575
G. MISCELLANEDUS.....	\$ 142,280
H. SPECIAL FEATURES..... (300,000 RUNAWAY LANE) (1,725,000 PIN PILES)	\$ 2,025,000
SUBTOTAL CONSTRUCTION COST.....	\$ 4,690,261
INFLATION (5% per year).....	\$ 480,752
E. & C. (10%).....	\$ 469,026
TOTAL CONSTRUCTION COST.....	\$ 5,640,039
GRAND TOTAL CONSTRUCTION COST	\$ N.A.

EDS-27(95)

SECTION III

(BASE OF TAYLOR RIDGE TO C.R. 325 IN EAST TRION)

ESTIMATE SUMMARY

A. RIGHT-OF-WAY.....(SECTIONS II AND III).....*	1,527,000
B. REIMBURSABLE UTILITIES.....(SECTIONS II AND III).....*	90,920

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES.....*	100,000
D. GRADING AND DRAINAGE.....*	3,149,920
E. BASE AND PAVING.....*	3,456,666
F. LUMP ITEMS.....*	1,239,989
G. MISCELLANEOUS.....*	983,950
H. SPECIAL FEATURES.....*	30,000
<hr/>	
SUBTOTAL CONSTRUCTION COST.....*	8,960,525
INFLATION (5% per year).....*	918,454
E. & C. (10%).....*	896,053
<hr/>	
TOTAL CONSTRUCTION COST.....*	10,775,032
<hr/>	

GRAND TOTAL CONSTRUCTION COST * N.A.

SECTIONS I, II, III

C.R. 329/S.R. 1 (GORE) to C.R. 325/S.R. 1 (EAST TRION)

ESTIMATE SUMMARY

- A. RIGHT-OF-WAY.....\$ 1,677,000
- B. REIMBURSABLE UTILITIES.....\$ 140,920

CONSTRUCTION COST SUMMARY

- C. MAJOR STRUCTURES.....\$ 100,000
 - D. GRADING AND DRAINAGE.....\$ 5,375,905
 - E. BASE AND PAVING.....\$ 5,745,186
 - F. LUMP ITEMS.....\$ 1,817,914
 - G. MISCELLANEOUS.....\$ 1,464,770
 - H. SPECIAL FEATURES.....\$ 2,055,000
-
- SUBTOTAL CONSTRUCTION COST.....\$16,558,775
- INFLATION (5% per year).....\$ 1,697,274
- E. & C. (10%).....\$ 1,655,878
-
- TOTAL CONSTRUCTION COST.....\$19,911,927
-

GRAND TOTAL CONSTRUCTION COST \$21,729,847

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Herman

*1-Wayne
2-Sub file*

INTERDEPARTMENT CORRESPONDENCE

FILE EDS-27(95) Segment 9 Chattooga County
S.R. 1/U.S. 27 Widening & Summerville Bypass
P.I. No. 621080

OFFICE Atlanta, GA

DATE October 4, 1988

FROM Robert E. Humphrey, P.E., Project Review Engineer *R.E. Hunt*

TO Charles Lewis, P.E., Director of Preconstruction

SUBJECT PROJECT CONCEPT REPORT

We have reviewed the attached Concept Report for this Major project.

We have received signed cover sheets from the following offices:

- 1. Traffic and Safety - With comment
- 2. District Engineer - With comment

This report is satisfactory for approval.

The estimated costs of this project are as follows:

Construction	\$16,558,775
Inflation (5% per year)	1,655,878
E & C (10%)	1,821,465
Preliminary Engineering (5%)	827,939
Right of Way	1,677,000
Utilities	140,920

WRP/cp

Attachments

c: Frank Danchetz



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE EDS-27(95) Segment 9 Chattooga County **OFFICE** Atlanta, GA
 S.R. 1/U.S. 27 Widening & Summerville Bypass
 P.I. No. ~~621080~~ 621082 **DATE** October 4, 1988

FROM Robert E. Humphrey, P.E., Project Review Engineer *R.E.H.*

TO Charles Lewis, P.E., Director of Preconstruction

SUBJECT PROJECT CONCEPT REPORT

We have reviewed the attached Concept Report for this Major project.

We have received signed cover sheets from the following offices:

1. Traffic and Safety - With comment
2. District Engineer - With comment

This report is satisfactory for approval.

The estimated costs of this project are as follows:

Construction	\$16,558,775
Inflation (5% per year)	1,655,878
E & C (10%)	1,821,465
Preliminary Engineering (5%)	827,939
Right of Way	1,677,000
Utilities	140,920

WRP/cp

Attachments

c: Frank Danchetz

OFFICE OF ENVIRONMENT/LOCATION

PROJECT CONCEPT REPORT



Project Number: EDS-27(95), Segment #9
 County: Chattooga
 P.I. Number: 621080
 Federal Route Number: 17-3
 State Route Number: 1



RECOMMENDATION FOR APPROVAL:

Aug. 24, 1988
 DATE

Tom L. Donahy
 STATE ENVIRONMENTAL/LOCATION ENGINEER

DATE
Sept 13, 1988
 DATE

STATE ROAD AND AIRPORT DESIGN ENGINEER
Ron Whinn
 STATE TRAFFIC AND SAFETY ENGINEER

DATE

STATE BRIDGE AND STRUCTURAL DESIGN ENGINEER

DATE

DISTRICT ENGINEER/CARTERSVILLE

DATE

STATE MATERIALS AND RESEARCH ENGINEER

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE EDS-27 (95) Chattooga Co. **OFFICE** Atlanta, Ga.
P.I. No. 621080

DATE September 12, 1988

FROM *Ron Colvin* Ron Colvin, P.E., State Traffic & Safety Engineer

TO Robert E. Humphrey, P.E., Project Review Engineer

SUBJECT Project Concept Report Review

We have reviewed the concept report on the above project for the proposed construction of the Summerville Bypass, a four lane roadway separated by a 44' median for the majority of the project and a 4' flush median for the section from Mack White Gap to Taylor Ridge. While a design of a 44' median for the entire project would be preferred, this concept appears satisfactory considering cost and/or engineering restraints. We therefore concur with the attached concept.

JJD:CKE:kt

Attachment (signature page)

cc: Frank Danchetz, State Environmental/Location Engineer
Felton Rutledge, District Engineer - Cartersville

OFFICE OF ENVIRONMENT/LOCATION

PROJECT CONCEPT REPORT



Project Number: EDS-27(95), Segment #9
 County: Chattooga
 P.I. Number: 621080
 Federal Route Number: 17-3
 State Route Number: 1



RECOMMENDATION FOR APPROVAL:

Aug. 24, 1988
 DATE

Tom L. Donahue
 STATE ENVIRONMENTAL/LOCATION ENGINEER

DATE

STATE ROAD AND AIRPORT DESIGN ENGINEER

DATE

STATE TRAFFIC AND SAFETY ENGINEER

DATE

STATE BRIDGE AND STRUCTURAL DESIGN ENGINEER

DATE

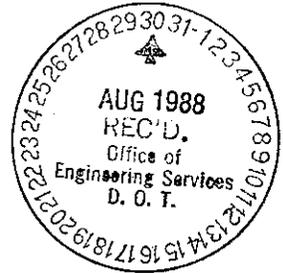
Walter V. Kelleher
 DISTRICT ENGINEER/CARTERSVILLE

DATE

STATE MATERIALS AND RESEARCH ENGINEER

OFFICE OF ENVIRONMENT/LOCATION

PROJECT CONCEPT REPORT



Project Number: EDS-27(95), Segment #9
 County: Chattooga
 P.I. Number: 621080
 Federal Route Number: 17-3
 State Route Number: 1



RECOMMENDATION FOR APPROVAL:

Aug. 24, 1988
 DATE

Tom L. Donahy
 STATE ENVIRONMENTAL/LOCATION ENGINEER

DATE

STATE ROAD AND AIRPORT DESIGN ENGINEER

DATE

STATE TRAFFIC AND SAFETY ENGINEER

DATE

STATE BRIDGE AND STRUCTURAL DESIGN ENGINEER

DATE

DISTRICT ENGINEER/CARTERSVILLE

DATE

STATE MATERIALS AND RESEARCH ENGINEER