ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-018-1(56)/BRF-018-1(44) Bartow County **OFFICE** Preconstruction
P. I. Nos. 621255/620832

DATE June 26, 1997

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
Paul Liles
Jim Hitt (Traffic Ops)
Jim Kennerly
Charles Law

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

RECEIVED
MAY 28 1997
PRECONSTRUCTION

FILE STP-018-1(56) & BRF-018-1(44) Bartow Co.
PI Nos. 621255 & 620832
SR 61/SR 113

OFFICE Atlanta

DATE May 9, 1997

FROM James A. Kennerly, State Road & Airport Design Engineer

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

SUBJECT Revised Concept Report

The project STP-018-1(56) is the widening and reconstruction of 2.9 miles along SR 61/SR 113 from CR 533 to Plymouth Drive. The existing 2 lane roadway will be widened to a 4 lane roadway with a 44' median and then that transitions to a 20' median to a 3 lane roadway. This project is currently programmed for FY 98 Right of Way and FY 2000 for Construction.

The revised concept, approved December 12, 1996, for this project was to begin at the relocation of SR 61 intersection and widen SR 61/113 to a 4-lane with a 44'/20' median. The 44' median transitions to a 20' raised median just southwest of the Etowah River bridge [BRF-018-1(44)]. The 20' raised median transitions to match the existing three lane just northeast of Henderson.

The approved revised concept was taken to public hearing on January 30, 1997. The public and local government did not support a 20' raised median past Douthit Ferry Road. Douthit Ferry Road is proposed to be extended west from SR 61 as a local project.

In addition, the December 12, 1996 concept contained project BRF-018-1(44), for the replacement of the Etowah River bridge. It has been decided to break the BRF-018-1(44) project into a stand alone project. Project BRF-018-1(44) construction could then be advanced ahead of STP-018-1(56) because of the low bridge sufficiency rating.

Because of the above two developments, we propose the following changes in the latest concept revision. Approximately 1/4 mile southwest of the Etowah River will begin project BRF-018-1(44), the stand alone replacement of the Etowah River bridge with a 4-lane 20' median bridge. Approximately 1/4 mile northeast of the Etowah River project BRF-018-1(44) will end. The project length for project BRF-018-1(44) is 0.6 miles.

The 4-lane 20 foot raised median section on project STP-018-1(56) is now proposed to end approximately 1200 feet northeast of Douthit Ferry Rd. where it transitions to a 3-lane southwest of Henderson drive and continues northeasterly thru the Henderson Drive intersection to where it joins the existing three lane section just southwest of Plymouth Drive. The revised project length is 2.9 miles with a 0.13 mile exception for bridge project BRF-018-1(44).

Estimated Costs:

	Approved (STP & BRF)	Proposed STP-18-1(56)	Proposed BRF-18-1(44)	Prog. Date
Const. (Infl. E & C)	$6,673,101	$4,143,870	$4,261,560	FY 99
Right of Way	$2,144,000	$1,774,000	$ 370,000	FY 98
Utilities	LGPA	LGPA	LGPA	

Recommendation: We recommend that the proposed revision to the concept of Project STP-18-1(56) be approved and that Project BRF-18-1(44) be revised to include bridge approach work so that the bridge project could be advanced earlier.

MGR

JAK:MGR:hcc

Attachments: Sketch Map, Cost Estimate

cc: David Studstill, w/attach
Bobby Mustin, w/attach

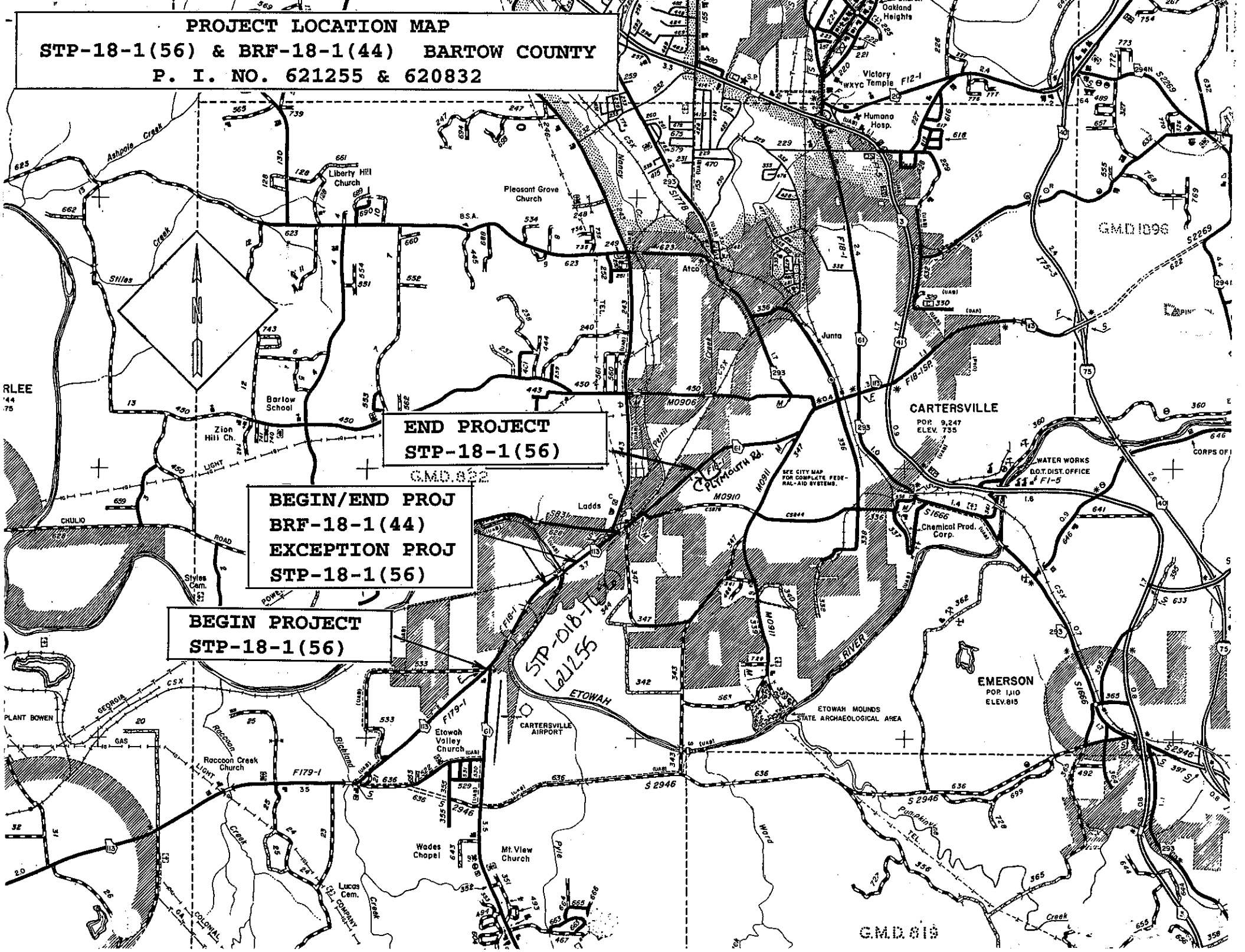
CONCUR:

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

APPROVE:

Frank L. Danchetz, P.E.
Chief Engineer

PROJECT LOCATION MAP
STP-18-1(56) & BRF-18-1(44) BARTOW COUNTY
P. I. NO. 621255 & 620832



REVISED CONCEPT COST ESTIMATE

PROJECT NUMBER: BRF-018-1(44) COUNTY: BARTOW

DATE: APRIL 29, 1997 ESTIMATED LETTING DATE: FY 99

PREPARED BY: JJV PROJECT LENGTH (MILE): 0.47

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

PROJECT COST

A. RIGHT-OF-WAY:

1. PROPERTY (land & easement) $ 204,000

2. DISPLACEMENTS: $ 0

3. OTHER COST (adm./court cost factor=45%
inflation factor=25%) $ 166,000

SUBTOTAL: $ 370,000

B. NONREIMBURSEABLE UTILITIES:
(GA PWR, SOUTH. BELL, ATLANTA GAS LIGHT, CITY
CARTERSVILLE (SEWER) TOTAL= $1,000,000) $ LGPA*

C. REIMBURSEABLE UTILITIES:

1. PRESTIGE CATV $ 0

SUBTOTAL: $ 0

D. CONSTRUCTION:

1. MAJOR STRUCTURES:

a. RETAINING WALLS $ 0

b. BRIDGES (670' X 88' @ $50.00/SF $ 2,948,000

c. DETOUR BRIDGES $ 0

d. BR CULVERT $ 0

SUBTOTAL: $ 2,948,000

*LGPA ANTICIPATED

d. OTHERS $ 100,000
(DWAY PAV , CONC VG, TEMP BARRIER,RW MK, UD PIPE)

SUBTOTAL: $ 392,000

6. SPECIAL FEATURES SUBTOTAL: $ 0

ESTIMATE SUMMARY

A. RIGHT-OF-WAY.....$ 1,774,000

B. NONREIMBURSABLE UTILITIES.....$ LGPA

C. REIMBURSABLE UTILITIES.....$ 22,400

D. CONSTRUCTION

1. MAJOR STRUCTURES ..... $ 0
2. GRADING AND DRAINAGE..... $ 1,512,500
3. BASE AND PAVING..... $ 892,200
4. LUMP ITEMS..... $ 625,000
5. MISCELLANEOUS..... $ 392,000
6. SPECIAL FEATURES..... $ 0

SUBTOTAL CONSTRUCTION COST... $ 3,421,700

E. & C. (10%)..... $ 342,170

INFLATION (5% PER 2 YEARS)..... $ 380,000

TOTAL CONSTRUCTION COST..... $ 4,143,870

GRAND TOTAL PROJECT COST..... $ 5,940,270

2. GRADING AND DRAINAGE:

a. EARTHWORK___(308,400 CY X $3.00/CY)_____ $ 924,000

b. DRAINAGE:
1) Cross Drain Pipe (exc.box culverts)_____ $ 33,000

2) Curb and Gutter__(23,500 LF X $9.00/LF)_____ $ 211,500

3) Longitudinal System(incl.catch basins)_____ $ 344,000

SUBTOTAL: $ 1,512,500

3. BASE AND PAVING:

a. AGGR BASE__(22,900T X $8.00/T)_____$ 183,200

b. ASPHALT PAVING:
asph. conc. E_____(5,400 T x $33.00/T)_____ $ 178,200
asph. conc. B_____(4,700 T x $34.00/T)_____ $ 159,800
asph conc. Base___(9,000T x $37.00/T)_____ $ 333,000
asph. conc. LEV___(1,000 T x $33.00/T)_____ $ 33,000
bit. tack coat_____(5,000G x $1.00/G)_____ $ 5,000

c. OTHER_____$ 0

SUBTOTAL: $ 892,200

4. LUMP ITEMS:

a. TRAFFIC CONTROL_____$ 300,000

b. CLEARING AND GRUBBING_____$ 200,000

c. PERMANENT EROSION CONTROL_____ $ 25,000

d. TEMPORARY EROSION CONTROL_____$ 100,000

e. DETOURS_____$ 0

SUBTOTAL: $ 625,000

5. MISCELLANEOUS:

a. LIGHTING_____$ 0

b. SIGNING - STRIPING - SIGNAL_____$ 250,000

c. GUARDRAIL_____$ 42,000

REVISED CONCEPT COST ESTIMATE

PROJECT NUMBER: STP-018-1(56)

COUNTY: BARTOW

DATE: APRIL 29, 1997

ESTIMATED LETTING DATE: FY 99

PREPARED BY: JJV

PROJECT LENGTH (MILE): 2.90
EXCEPTION (MILE): 0.47

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

PROJECT COST

A. RIGHT-OF-WAY:

1. PROPERTY (land & easement) $ 979,000

2. DISPLACEMENTS: $ 0

3. OTHER COST (adm./court cost factor=45%
inflation factor=25%) $ 795,000

SUBTOTAL: $ 1,774,000

B. NONREIMBURSEABLE UTILITIES:
(GA PWR, SOUTH. BELL, ATLANTA GAS LIGHT, CITY
CARTERSVILLE (SEWER) TOTAL= $1,000,000) $ LGPA*

C. REIMBURSEABLE UTILITIES:

1. PRESTIGE CATV $ 22,400

SUBTOTAL: $ 22,400

D. CONSTRUCTION:

1. MAJOR STRUCTURES:

a. RETAINING WALLS $ 0

b. BRIDGES $ 0

c. DETOUR BRIDGES $ 0

d. BR CULVERT $ 0

SUBTOTAL: $ 0

*LGPA ANTICIPATED

d. OTHERS_____ $ 15,000
(DWAY PAV , CONC VG, TEMP BARRIER,RW MK, UD PIPE)

SUBTOTAL: $ 44,000

6. SPECIAL FEATURES_____ SUBTOTAL: $ 0

ESTIMATE SUMMARY

A. RIGHT-OF-WAY.....$ 370,000

B. NONREIMBURSABLE UTILITIES.....$ LGPA

C. REIMBURSABLE UTILITIES.....$ 0

D. CONSTRUCTION

1. MAJOR STRUCTURES ..... $ 2,948,000
2. GRADING AND DRAINAGE..... $ 285,200
3. BASE AND PAVING..... $ 159,400
4. LUMP ITEMS..... $ 83,000
5. MISCELLANEOUS..... $ 44,000
6. SPECIAL FEATURES..... $ 0

SUBTOTAL CONSTRUCTION COST... $ 3,519,600

E. & C. (10%)..... $ 351,960

INFLATION (5% PER 2 YEARS)..... $ 390,000

TOTAL CONSTRUCTION COST..... $ 4,261,560

GRAND TOTAL PROJECT COST..... $ 4,631,560

2. GRADING AND DRAINAGE:

a. EARTHWORK___(64,400 CY X $3.00/CY)_____ $ 193,200

b. DRAINAGE:
1) Cross Drain Pipe (exc.box culverts)_____ $ 7,000

2) Curb and Gutter__(5,000 LF X $9.00/LF)_____ $ 45,000

3) Longitudinal System(incl.catch basins)_____ $ 40,000

SUBTOTAL: $ 285,200

3. BASE AND PAVING:

a. AGGR BASE__(4,900T X $8.00/T)_____ $ 39,200

b. ASPHALT PAVING:
asph. conc. E_____(700 T x $33.00/T)_____ $ 23,100
asph. conc. B_____(1,000 T x $34.00/T)_____ $ 34,000
asph conc. Base___(1,500T x $37.00/T)_____ $ 55,500
asph. conc. LEV___(200 T x $33.00/T)_____ $ 6,600
bit. tack coat_____(1,000G x $1.00/G)_____ $ 1,000

c. OTHER_____$ 0

SUBTOTAL: $ 159,400

4. LUMP ITEMS:

a. TRAFFIC CONTROL_____$ 50,000

b. CLEARING AND GRUBBING_____$ 25,000

c. PERMANENT EROSION CONTROL_____ $ 3,000

d. TEMPORARY EROSION CONTROL_____$ 5,000

e. DETOURS_____$ 0

SUBTOTAL: $ 83,000

5. MISCELLANEOUS:

a. LIGHTING_____$ 0

b. SIGNING - STRIPING - SIGNAL_____$ 20,000

c. GUARDRAIL_____$ 9,000