ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-018-1(56) Bartow County
P. I. No. 621255

OFFICE Preconstruction

DATE December 12, 1996

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
Darrell Elwell (ATTN: Michael Henry)
Marion Waters
Toni Dunagan
Paul Liles
Jim Kennerly
Charles Law

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

RECEIVED
NOV 1 8 1996
PRECONSTRUCTION

INTERDEPARTMENT CORRESPONDENCE

FILE STP-018-1(56) Bartow
PI No. 621255
SR 61/SR 113

OFFICE Atlanta

DATE November 4, 1996

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

TO Walker Scott, Director of Preconstruction

Attn.: Wayne Hutto

SUBJECT Revised Project Concept Report

This is the Revised Project Concept Report for your review and further handling.

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 that transitions to a 20' median. This project is currently programmed for FY 97 Right of Way and FY 99 for Construction.

The original concept for this project was to widen the existing 2 lane roadway to a 4 lane roadway with a 14 foot two-way left turn lane. The project was designed as a rural open ditch section from the project beginning to the Pettit Creek Bridge and then became an urban curb and gutter section to the end of the project. The project length for this original concept was 2.61 miles that went from east of the SR 61 intersection to north of Henderson Drive.

The revised concept changes the projects termini, which has been extended at the beginning of the project to include the SR 61 intersection. The ending termini has also been extended to Plymouth Drive. The termini modifications change the project length from 2.6 miles to 2.9 miles. The typical section has been revised from a 5 lane roadway to a 4 lane roadway with a 44 foot depressed median from the project beginning to west of the Etowah River where it transitions to a 20 foot raised median. This change in the median treatment was necessitated because the traffic projections increased from 24,600 ADT (2017) to 42,000 ADT (2021). The 20 foot raised median is proposed to drop between Henderson Drive and Plymouth Drive and one eastbound lane is dropped at Plymouth Drive and tie into the existing roadway.

Estimated Costs	Proposed	Approved	Prog. Date
Construction (Infl. E & C)	$6,673,101	$3,525,000	FY 99
Right of Way	$2,144,000	$ 526,000	
Utilities	LGPA	LGPA	

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

JAK:MGR:hcc
Attachments: Sketch Map, Cost Estimate
cc: David Studstill, w/att
Bobby Mustin, w/att

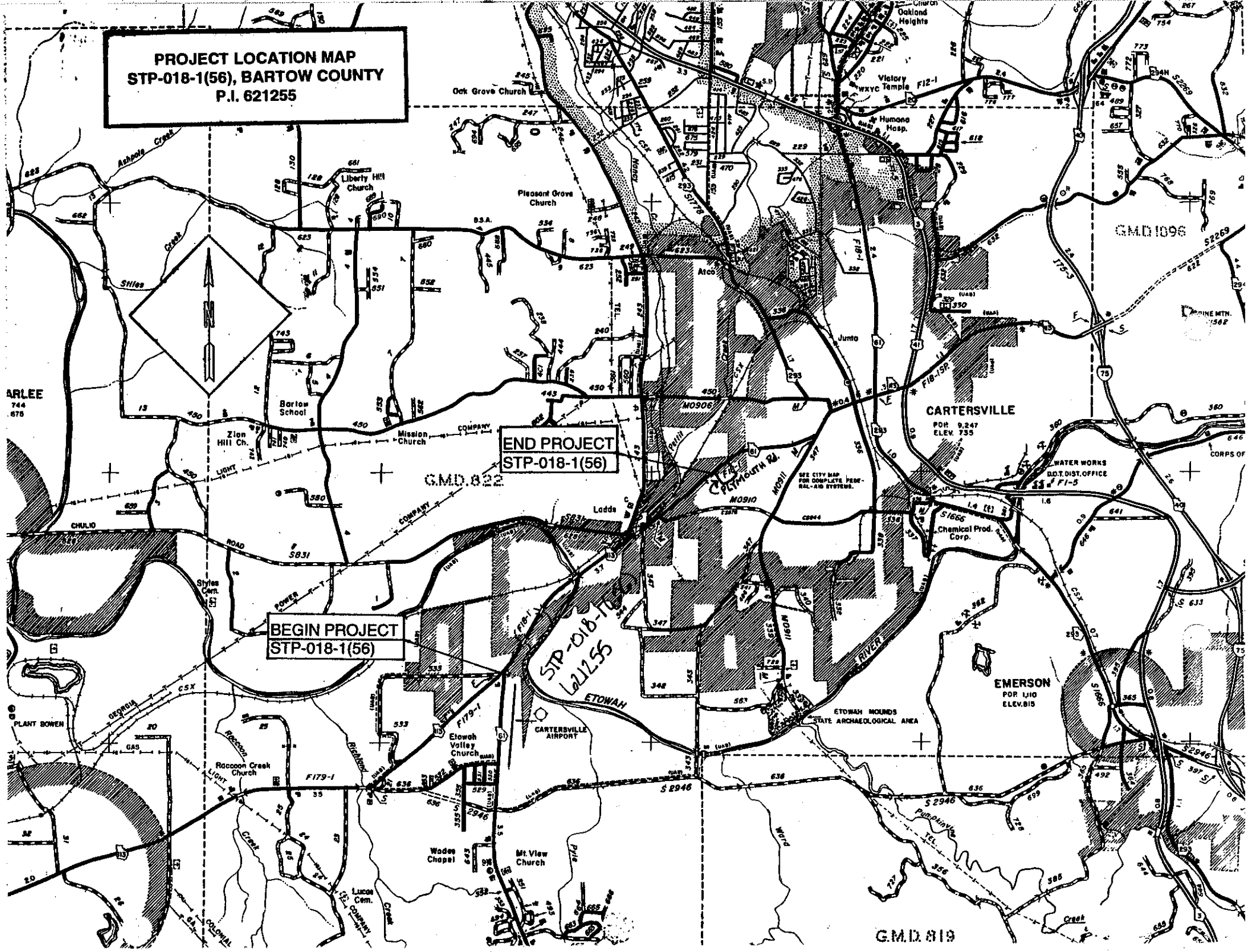
CONCUR:

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

~~APPROVED:~~ Concur:

Frank L. Danchetz, P.E.
Chief Engineer

approved
Wayne Shackelford
Commissioner


PROJECT LOCATION MAP
STP-018-1(56), BARTOW COUNTY
P.I. 621255
END PROJECT
STP-018-1(56)
BEGIN PROJECT
STP-018-1(56)
STP-018-1(56)
621255
CARTERSVILLE
POP. 9,247
ELEV. 735
EMERSON
POP. 1,110
ELEV. 815
ETOWAH MOUNDS
STATE ARCHAEOLOGICAL AREA
CARTERSVILLE AIRPORT
Oak Grove Church
Liberty Hill Church
Pleasant Grove Church
Bartow School
Zion Hill Ch.
Mission Church
Styles Cem.
Raccoon Creek Church
Etowah Valley Church
Wades Chapel
Mt. View Church
Lucas Cem.
Ladds
Atco
Junto
Oakland Heights
Victory Temple
Humana Hosp.
Chemical Prod. Corp.
WATER WORKS
D.O.T. DIST. OFFICE
PLYMOUTH RD.
ETOWAH RIVER
G.M.D. 822
G.M.D. 1096
G.M.D. 819
PLANT BOWEN
ARLEE

BARTOW COUNTY STP-018-1(56) P.I. 621255
BRF-018-1(44) P.I. 620832

REVISED CONCEPT COST ESTIMATE

PROJECT NUMBER: STP-018-1(56)
BRF-018-1(44)

COUNTY: BARTOW

DATE: NOV-8-96

ESTIMATED LETTING DATE: FY 99

PREPARED BY: S CONNOLLY

PROJECT LENGTH (MILE): 2.90

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

PROJECT COST

A. RIGHT-OF-WAY:

1. PROPERTY (land & easement) $ 1,183,000

2. DISPLACEMENTS: $ 0

3. OTHER COST (adm./court cost factor=45%
inflation factor=25%) $ 961,000

SUBTOTAL: $ 2,144,000

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
(BRF-018-1(44) 643' X 80' @ $47.00/SF $ 2,400,000

c. DETOUR BRIDGES $ 0

d. BR CULVERT $ 0

SUBTOTAL: $ 2,400,000

*LGPA ANTICIPATED

2. GRADING AND DRAINAGE:

a. EARTHWORK___(372,400 CY X $3.00/CY)_____ $ 1,117,200

b. DRAINAGE:
1) Cross Drain Pipe (exc.box culverts)_____ $ 40,000

2) Curb and Gutter__(30,000 LF X $9.00/LF)_____ $ 270,000

3) Longitudinal System(incl.catch basins)_____ $ 384,000

SUBTOTAL: $ 1,811,200

3. BASE AND PAVING:

a. AGGR BASE__(27,763T X $8.00/T)_____ $ 222,104

b. ASPHALT PAVING:
asph. conc. E_____(4,202 T x $33.00/T)_____ $ 138,670
asph. conc. B_____(5,704 T x $34.00/T)_____ $ 193,923
asph conc. Base___(8,556T x $37.00/T)_____ $ 316,588
asph. conc. LEV___(1,000T x $33.00/T)_____ $ 33,000
bit. tack coat_____(5,427G x $1.00/G)_____ $ 5,427

c. OTHER_____ $ 0

SUBTOTAL: $ 909,712

4. LUMP ITEMS:

a. TRAFFIC CONTROL_____ $ 125,000

b. CLEARING AND GRUBBING_____ $ 145,000

c. PERMANENT EROSION CONTROL_____ $ 15,000

d. TEMPORARY EROSION CONTROL_____ $ 28,000

e. DETOURS_____ $ 0

SUBTOTAL: $ 313,000

5. MISCELLANEOUS:

a. LIGHTING_____ $ 0

b. SIGNING - STRIPING - SIGNAL_____ $ 50,000

c. GUARDRAIL_____ $ 51,000

d. OTHERS _____ $ 50,000
(DWAY PAV , CONC VG, TEMP BARRIER,RW MK, UD PIPE)

SUBTOTAL: $ 151,000

6. SPECIAL FEATURES _____ SUBTOTAL: $ 0

ESTIMATE SUMMARY

STP-018-1(56)

A. RIGHT-OF-WAY..... $ 2,144,000

B. NONREIMBURSABLE UTILITIES..... $ LGPA

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

D. CONSTRUCTION

1. MAJOR STRUCTURES
BRF-018-1(44)..... $ 2,400,000

2. GRADING AND DRAINAGE..... $ 1,811,200

3. BASE AND PAVING..... $ 909,712

4. LUMP ITEMS..... $ 313,000

5. MISCELLANEOUS..... $ 151,000

6. SPECIAL FEATURES..... $ 0

BRF-018-1(44)..... $ 2,400,000
STP-018-1(56)..... $ 3,184,912
SUBTOTAL CONSTRUCTION COST... $ 5,584,912

E. & C. (10%)..... $ 558,491

INFLATION (5% PER 2 YEARS)..... $ 629,698

TOTAL CONSTRUCTION COST.....$ 6,773,101

GRAND TOTAL PROJECT COST..... $ 8,920,000