

ORIGINAL COPY & FOR GENERAL FILE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-164-1(30); BHF-164-1(31) & (32) OFFICE Preconstruction
P.I. Nos. 322060; 322065 Coweta-Fayette Counties
Suff. Rating-51.1 & 56.8 DATE December 20, 1991

FROM *C. Wayne Hutto*
C. Wayne Hutto, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL - WIDEN SR 34/54 & BRIDGES OVER LINE CREEK
AND SCL RAILROAD

Attached for your files is the approval for subject project.

CWH/se

Attachment

DISTRIBUTION:

John Lively
Robert E. Humphrey
David Studstill
Herman Griffin
Roland Hinners
Darrell Elwell
Winn Guthrie
Kirby Hamil
Van Etheridge
Ron Colvin
Paul Liles
FHWA

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-164-1(30); BHF-164-1(31) & (32) OFFICE Preconstruction
 P.I. Nos. 322060; 322063; 322065 Coweta-Fayette Counties
 Suff. Rating - 51.1 & 56.8 DATE December 11, 1991

FROM Hoyt M. Lively, Director of Preconstruction

TO Wayne Shackelford, Commissioner

SUBJECT WIDEN SR 34/54 & BRIDGES OVER LINE CREEK AND SCL RAILROAD -
 PROJECT CONCEPT REPORT

These combined projects will widen a section of SR 34 in Coweta County from 1/4 mile west of Fischer Crossroad easterly to SR 54, then along SR 54 to SR 74 in Peachtree City including the bridge at Line Creek and SCL Railroad, for a total project length of 2.25 miles. The existing road has 24' of pavement and variable width shoulders on 100' of right-of-way. The bridges at Line Creek and SCL Railroad are 32'x170' and 32'x165', respectively. Base year and design year traffic is 21,100 VPD (1995) and 37,500 VPD (2015).

Project FR-164-1(30) will widen SR 34/54 between above termini to have 4-12' lanes (2 each direction) with a 44' depressed median for the first 3/4 miles(±) and a 20' raised median for the remainder of the project. Shoulders will be constructed to 10' outside (4' paved) and 6' inside (2' paved). Widening will be on appropriate side to reduce property impacts.

Project BHF-164-1(31) & (32) will widen the bridge at Line Creek and SCL Railroad, respectively, to accommodate the 4 lane w/20' raised median section of Project FR-164-1(30), above. Traffic will be maintained on existing road during construction. A request for a design variance will be required for the existing grade at the west end of Line Creek bridge and the substandard vertical sags on both ends of same bridge. Environmental considerations are: (1) no displacements; (2) COE 404 permit; (3) two possible UST sites; (4) a public hearing will be held. The estimated cost of the projects are:

FR-164-1(30)

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG. DATE</u>
Constr(Infl&E/C)	\$2,145,000	\$2,431,000	FY 93
Right-of-way	\$1,368,000	-	Preprogram
Utilities	LGPA*	-	

*LGPA to be sent after concept approval

Wayne Shackelford
Page 2
December 11, 1991

FR-164-1(30), BHF-164-1(31) & (32) Coweta-Fayette Counties

BHF-164-1(31)

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG. DATE</u>
Constr(Infl&E/C)	\$645,000	\$277,000	FY 93
Right-of-way	-*	-	Preprogram
Utilities	-*	-	

*Covered under Project FR-164-1(30)

BHF-164-1(32)

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG. DATE</u>
Constr(Infl&E/C)	\$663,000	\$269,000	FY 93
Right-of-way	-*	-	
Utilities	-*	-	

*Covered under Project FR-164-1(30)

I recommend that we approve this project concept report for these three projects, that they be removed from Preprogram Status and added to the Construction Work Program for implementation.

HJL/WLP/se

Attachment

CONCUR:



G. C. Lewis, State Highway Engineer

APPROVED:



Wayne Shackelford, Commissioner

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

RECEIVED

OCT 25 1991

INTERDEPARTMENT CORRESPONDENCE

FILE FR-164-1 (30), BHF-164-1 (31), (32) OFFICE Atlanta, Georgia
 P.I. No. 322060, 322063, 322065 Coweta-Fayette Counties
 Widen SR 54 & Bridge Over Line Creek & SCL RR DATE October 23, 1991

FROM Robert E. Humphrey, Project Review Engineer

TO Hoyt J. Lively, Jr., Director of Preconstruction

SUBJECT PROJECT CONCEPT REPORT

We have reviewed the attached Concept Report for this Major project and have the following comments:

We recommend that the 20' raised median on the 1 mile segment with widening totally on the south side of SR 54 be grassed rather than concreted.

The Report states that Utility relocations will be the responsibility of local government, however, a Local Government Project Agreement was not included with the Report.

We have received signed cover sheets from the following offices:

- Bridge Design
- Traffic and Safety
- Environmental - with notation of a mill site at Line Creek.
- District Engineer

This report is satisfactory for approval.

The estimated costs of this project are as follows:

		FR-164-1(30)	BHF-164-1(31)	# (32)
Construction	\$2,854,000	1,773,000	533,000	548,000
Inflation (5% per year) X 2yrs	428,100	177,300	53,300	54,800
E & C (10%)	328,210	195,000	58,600	60,300
Preliminary Engineering (5%)	142,700			
Right of Way	1,368,000	1,368,000		
Utilities		LGPA	LGPA	

REH/jmf

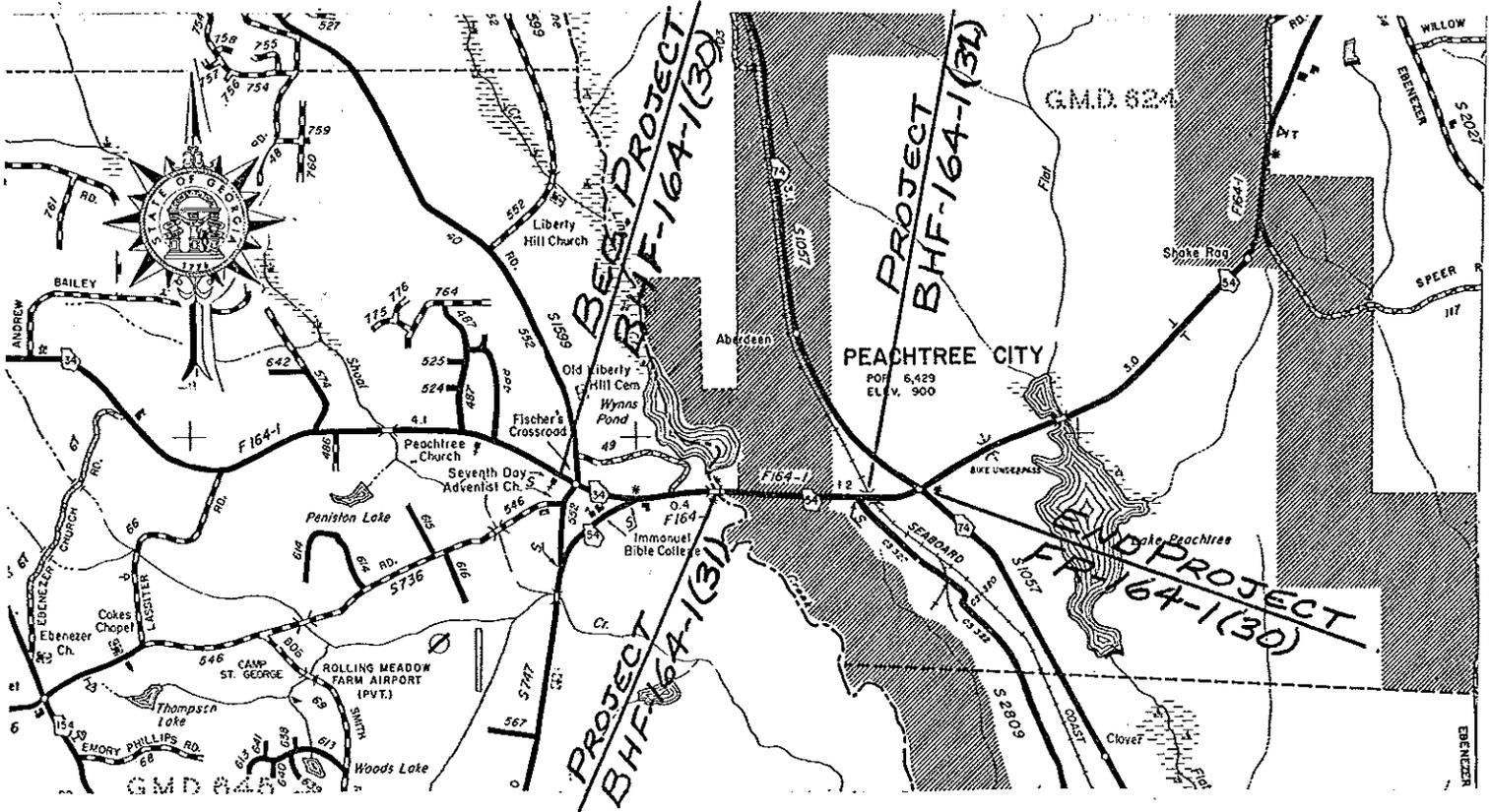
Attachments

c: Roland W. Hinners

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT
FR-164-1(30)
BHF-164-1(31)
BHF-164-1(32)
COWETA/FAYETTE COUNTY

FEDERAL ROUTE NO: N/A
STATE ROUTE NO: 34/54
GA DOT P.I. NO: 322060,322063,322065



Date of Report: 03-Sep-91

RECOMMENDATION FOR APPROVAL

9-11-91
DATE

Roland H. ...
State Road & Airport Design Engineer

DATE

State Environmental Engineer

DATE

State Traffic & Safety Engineer

DATE

District Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE FR-164-1(30 & BHF-164-1(31), (32)
P.I. Nos. 322060, 322063, 322065
Coweta/Fayette Counties

OFFICE Atlanta
DATE Sept. 11, 1991

FROM *Robert Hinners*
Roland Hinners, P.E., State Road & Airport Design engineer

TO Robert Humphrey, Project Review Engineer

SUBJECT Concept Report

Attached is the concept report on the listed file projects for your review and further handling.

The project is for the proposed widening of SR 54 beginning Coweta County on SR 34, 1/4 mile west of Fischer Road and extends eastward approximately 1/2 mile to SR 54. The project continues eastward on SR 54 and ends at the SR 74/SR 54 intersection in Fayette County.

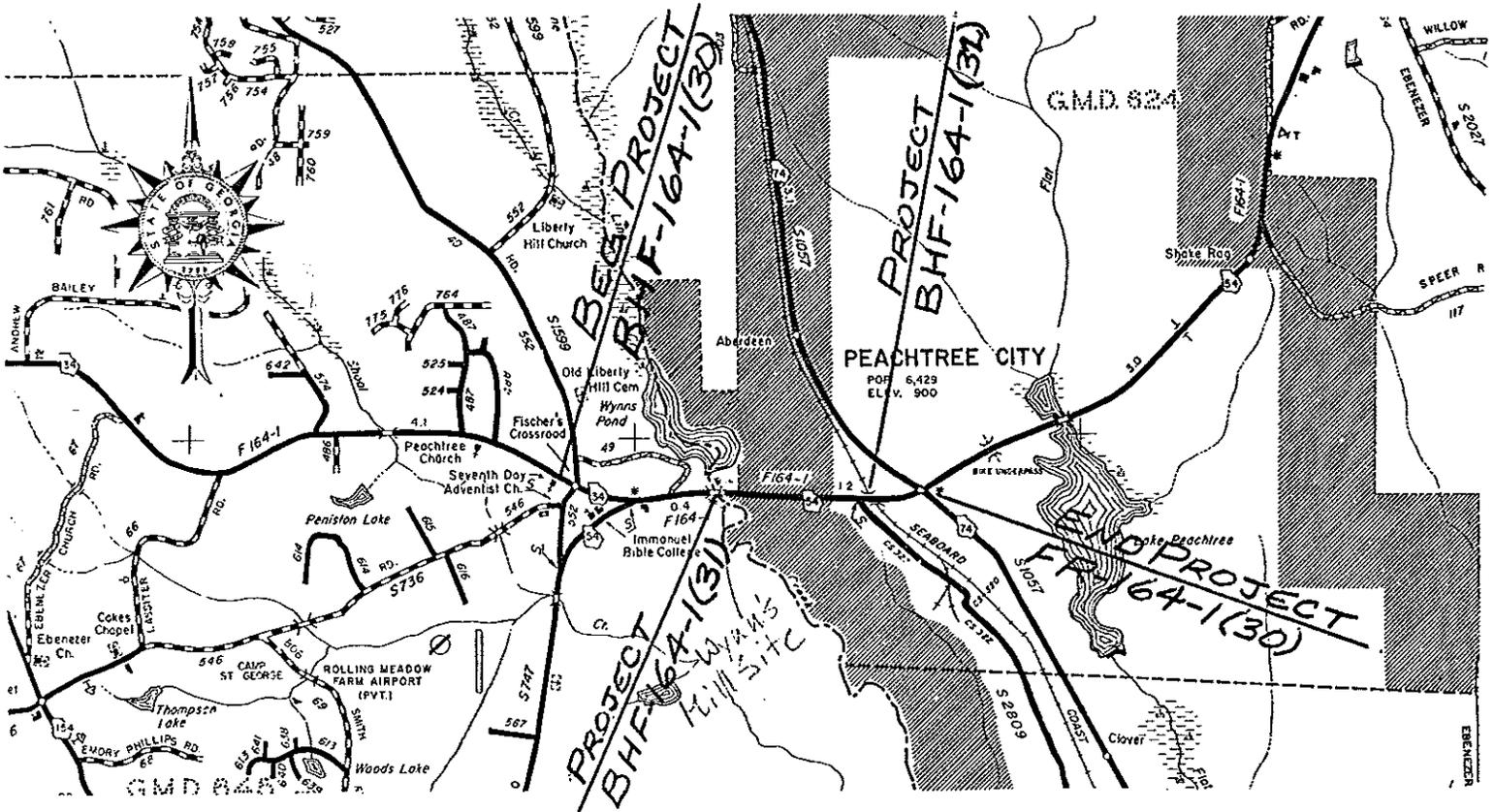
RH:MGR:bc
Attachments ..

cc: Wayne Hutto
David Studstill, w/att
Ron Colvin, w/att
Van Etheridge, w/att

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT
FR-164-1(30)
BHF-164-1(31)
BHF-164-1(32)
COWETA/FAYETTE COUNTY

FEDERAL ROUTE NO: N/A
STATE ROUTE NO: 34/54
GA DOT P.I. NO: 322060,322063,322065



Date of Report: 03-Sep-91

RECOMMENDATION FOR APPROVAL

DATE

State Road & Airport Design Engineer

DATE

Paul S. Stitt
State Environmental Engineer

DATE

State Traffic & Safety Engineer

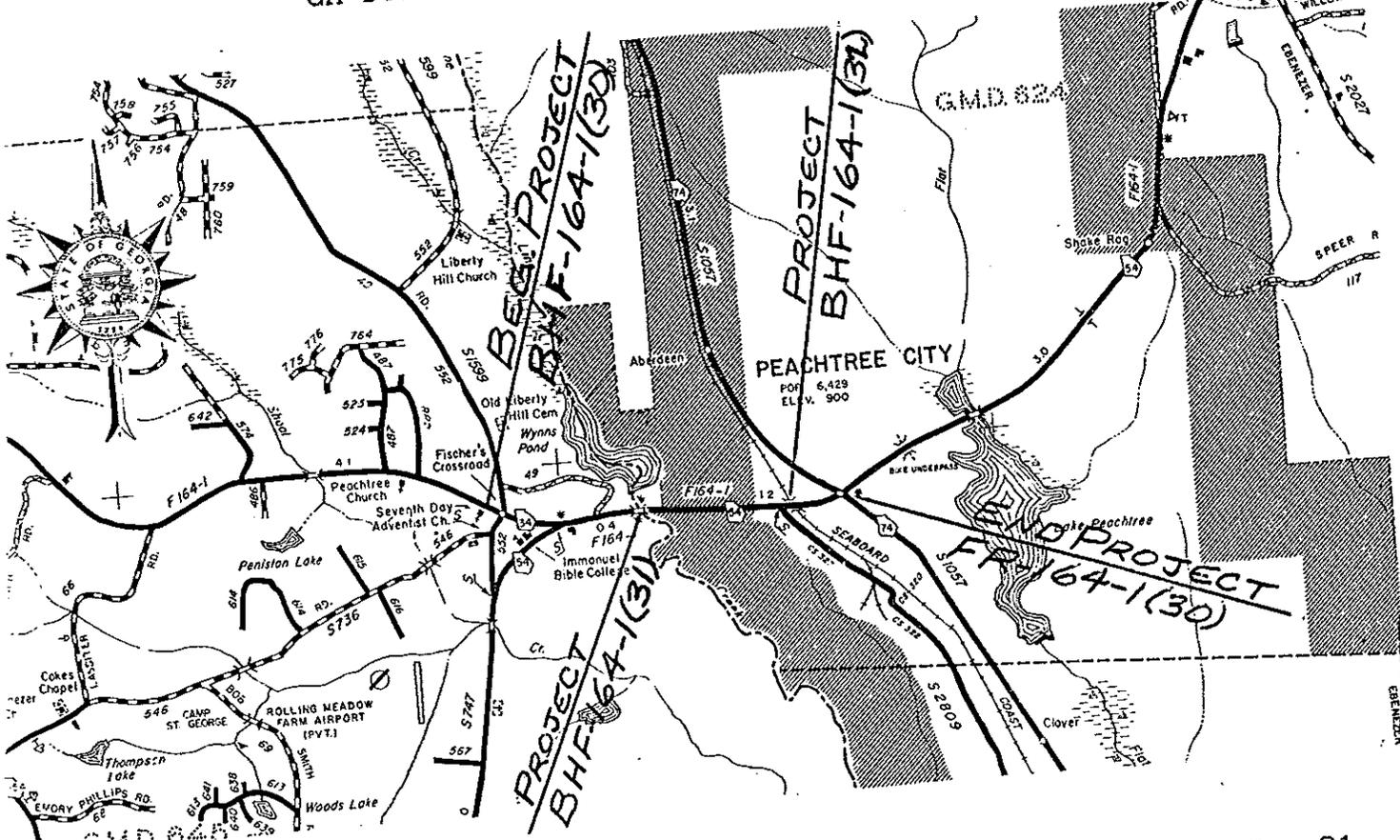
DATE

District Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT
FR-164-1(30)
BHF-164-1(31)
BHF-164-1(32)
COWETA/FAYETTE COUNTY

FEDERAL ROUTE NO: N/A
STATE ROUTE NO: 34/54
GA DOT P.I. NO: 322060, 322063, 322065



Date of Report: 03-Sep-91

RECOMMENDATION FOR APPROVAL

DATE _____	State Road & Airport Design Engineer
DATE _____	State Environmental Engineer
DATE _____	State Traffic & Safety Engineer
DATE <u>9-16-91</u>	<u>D. V. Etter</u> District Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE FR-164-1(30) & BHF-164-1(31) & (32) OFFICE Thomaston
 P.I. Nos. 322060, 322063, & 322065
 Coweta/Fayette Counties DATE September 23, 1991

FROM D. V. Etheridge, P.E., District Engineer

TO Robert Humphrey, Project Review Engineer

SUBJECT PROJECT CONCEPT REPORT

Attached for your use and further handling is signed project concept report on the above numbered projects.

RGB:EJW

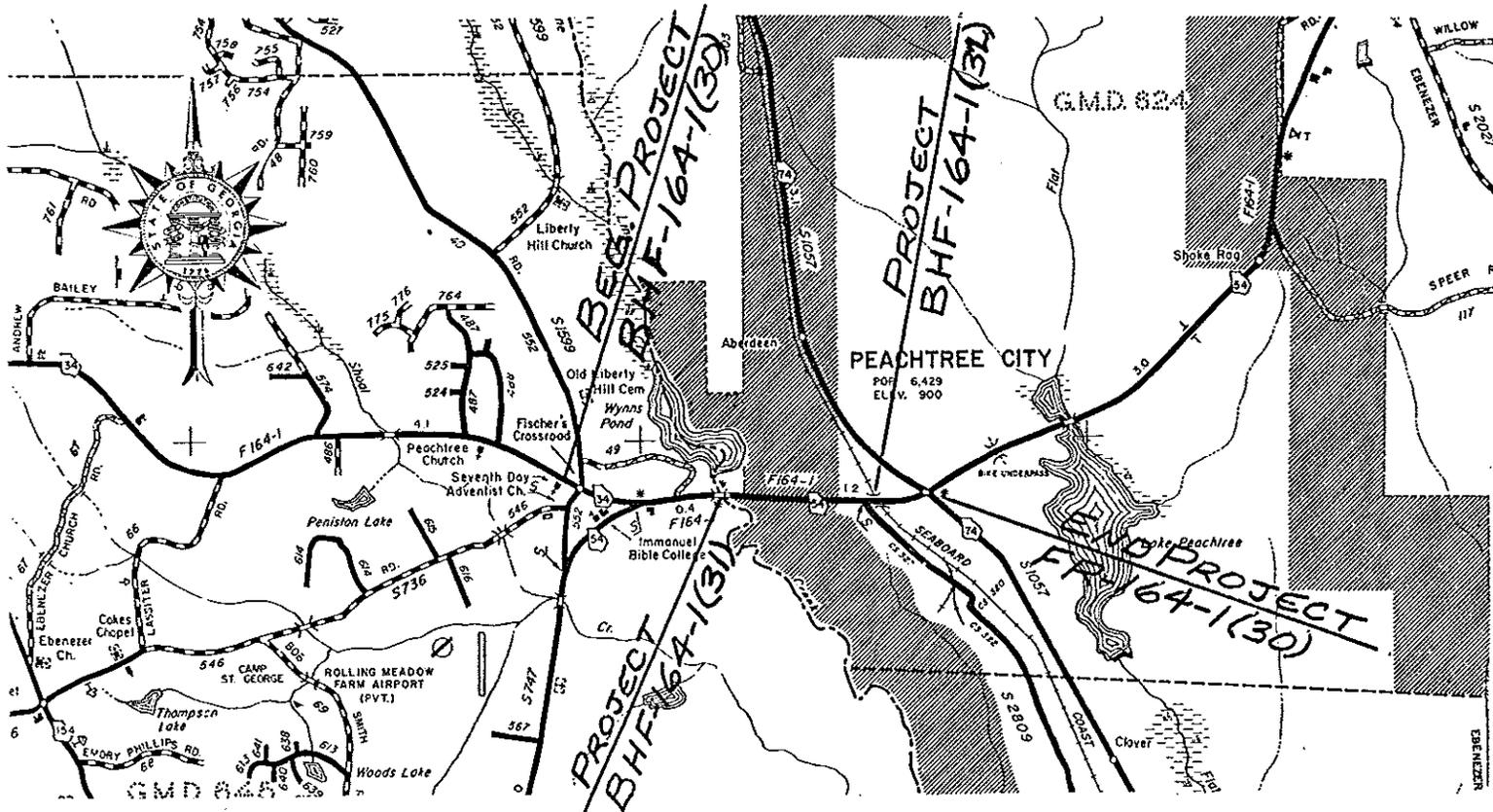
Attachment

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



PROJECT CONCEPT REPORT
FR-164-1(30)
BHF-164-1(31)
BHF-164-1(32)
COWETA/FAYETTE COUNTY

FEDERAL ROUTE NO: N/A
STATE ROUTE NO: 34/54
GA DOT P.I. NO: 322060, 322063, 322065



Date of Report: 03-Sep-91

RECOMMENDATION FOR APPROVAL

DATE _____ State Road & Airport Design Engineer

DATE _____ State Environmental Engineer

DATE 9/23/91 _____ State Traffic & Safety Engineer

DATE _____ District Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE FR-164-1 (30) & BHF-164-1 (31), (32) OFFICE Atlanta, Ga.
 Coweta/Fayette County
 P.I. No. 322060, 322063, 322065 DATE September 23, 1991

FROM *[Signature]* 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 widening of S.R. 34/S.R. 54 from just west of Fischer Road to S.R. 74. The existing two-lane roadway will be widened to a four-lane section with 44 ft. median for the first 3/4 of a mile of the project. For the remainder of the project a 20 ft. raised median will separate the four lane roadway. We believe this concept will improve safety and operational capacity along this section of roadway. We, therefore, find this report satisfactory for approval.

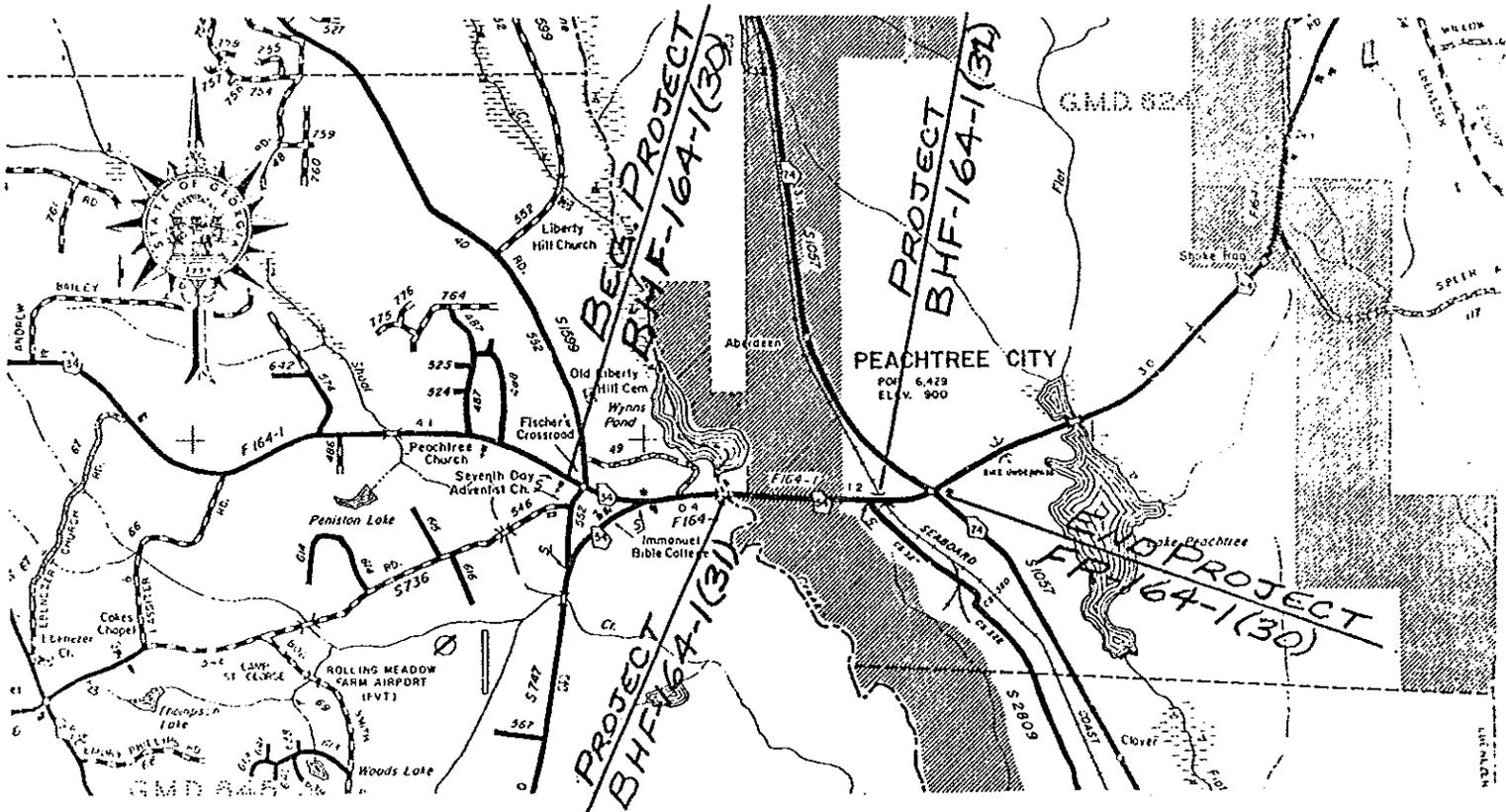
RC:CKE:lw
 Attachment (signature page)
 cc: Roland Hinners; Van Etheridge

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



PROJECT CONCEPT REPORT
FR-164-1(30)
BHF-164-1(31)
BHF-164-1(32)
COWETA/FAYETTE COUNTY

FEDERAL ROUTE NO: N/A
STATE ROUTE NO: 34/54
GA DOT P.I. NO: 322060, 322063, 322065



Date of Report: 03-Sep-91

RECOMMENDATION FOR APPROVAL

9-11-91
DATE

Roland H. ...
State Road & Airport Design Engineer

DATE

State Environmental Engineer

DATE

State Traffic & Safety Engineer

DATE

District Engineer

9/18/91
DATE

Paul V. ... Jr.
STATE BRIDGE ENGINEER

PROJECTS NOS: FR-164-1(30), BHF-164-1(31)
BHF-164-1(32)

COWETA/FAYETTE COUNTIES

P.I. NOS.: 322060, 322063, 322065

PREVIOUS PROJECT NO.: N/A

ROUTE NOS: S.R.34/S.R.54

LOCATION: This project begins in Coweta County on S.R. 34, 1/4 mile west of Fischer Road and extends eastward approximately 1/2 mile to S.R. 54. The project continues eastward on S.R.54, crossing Line Creek into Fayette County/ Peachtree City and ends at the S.R.54/S.R.74 intersection in Peachtree City.

DESCRIPTION: This project begins with Four lanes divided by a 44 foot depressed median for the first 3/4 mile, with widening on the north. Width of median will transition to 20 feet and widening will switch to south just before crossing Line Creek. The next mile will be four lanes with a 20-foot raised median, widening on the south. The last 1/2 mile will be four lanes with a 20-foot raised median, widening will be symmetrical. Total project length is 2.25 miles. The existing S.R.54 / S.R.34 intersection in Coweta County will be relocated from its present location approximately 850 feet further west on existing S.R.34 realigning S.R.54 to tie-into existing SR.34.

TRAFFIC: CURRENT ADT: 21100 (1995)

PROJECTED ADT: 37500 (2015)

EXISTING TYPICAL SECTION: Two 12-foot lanes of asphaltic concrete pavement with variable width grassed shoulders. The existing right of way is 100 feet minimum.

EXISTING MAJOR STRUCTURES: Bridge over Line Creek (170ft x 32ft) Suff. Rating =51.1. Bridge over railroad (165ft x 32ft) Suff. Rating =56.8, and a 4ft x 4ft concrete box culvert.

STATEMENT OF NEED AND PURPOSE OF PROJECT: See attachments

PROJECT LENGTH: 2.25 (MILES)

BEGINNING: Approximately 1/4 mile west of Fischer Road in Coweta County.

ENDING: At the intersection of S.R. 74/ S.R.54 in Fayette County.

PDP CLASS : MAJOR/EXISTING

FUNCTIONAL CLASS :RURAL MINOR ARTERIAL (Coweta)

URBAN FAP CONNECTING LINK RURAL MINOR ARTERIAL (Fayette/PTC)

EXISTING:	MAX DEGREE OF CURVE	3-00 DEG.,	MAX GRADE	5.26%	POSTED SPEED	55 MPH
"	MAX DEGREE OF CURVE	2-30 DEG.,	"	6.00%	POSTED SPEED	45 MPH
PROPOSED:	MAX DEGREE OF CURVE	5-30 DEG.,	MAX GRADE	5.26%	DESIGN SPEED	55 MPH
"	MAX DEGREE OF CURVE	2-30 DEG.,	"	6.00%	DESIGN SPEED	45 MPH
ALLOWABLE:	(Green Book 55 MPH)	6-00 DEG.,	MAX GRADE	4.50%	(RURAL ARTERIAL)	
			MAX GRADE	6.50%	(URBAN ARTERIAL)	

PROPOSED TYPICAL SECTION: Four 12 foot lanes with a 44 foot depressed median, 10 foot shoulder (4ft. paved) and open ditches for the first 3/4 mile. Four lanes with a 20 foot raised median, 10 foot shoulders (4ft. paved) and open ditches for the remaining 1.50 miles. Relocated S.R. 54 will be two 12 foot lanes, 10 foot shoulders (4ft. paved) and open ditches.

MAJOR STRUCTURES: Existing bridge over Line Creek, widen to 170ft x 88 ft., existing bridge over Railroad, widen to 165ft x 88 ft and, a 4x4 Box Clv't.

TYPE ACCESS Drive permits required.

TRAFFIC CONTROL DURING CONSTRUCTION: Widen under traffic.

ITEM:	ESTIMATED COST: TOTAL AMOUNT	BHF-164-1(31)	BHF-164-1(32)
R/W_____	\$ 1,368,000.00		
UTILITIES_____	\$ LGPA Anticipated		
SUBTOTAL_____	\$ 1,368,000.00		
CONSTRUCTION_____	\$ 1,770,964.00	\$ 533,319.00	\$ 517,631.00
INFLATION_____	\$ 307,063.00	\$ 92,472.00	\$ 89,751.00
E&C (10%)_____	\$ 177,097.00	\$ 53,332.00	\$ 51,763.00
TOTAL CONSTRUCTION_____	\$ 2,255,124.00	\$ 679,123.00	\$ 659,145.00

PERMITS REQUIRED: 404 (COE)

DISPLACEMENTS: None

LEVEL OF ENVIRONMENTAL ANALYSIS: Environmental Assessment

LEVEL OF PUBLIC INVOLVEMENT: Public hearing

TIME SAVING PROCEDURES APPROPRIATE: YES () NO (X)

DESIGN VARIANCES REQUIRED: Yes

ALTERNATIVES CONSIDERED: 4 lane with a flush median, and No build.

OTHER PROJECTS IN AREA: FR-164-1(13) & (12) FAYETTE COUNTY P.I. NOS. 321245 & 321240, S.R. 54 widening from S.R. 74 to Gwinette Street in Fayetteville. Currently under construction.

FR-209-1(1) Fayette County P.I. NO. 322350 S.R. 74 widening from Crosstown Rd/ TDK Blvd. to S.R. 54. Currently in preprogramming.

FR-164-1(36) COWETA COUNTY P.I. NO. 322340 S.R. 54 widening from S.R. 154 to Fischer Road.

CONCEPT TEAM MEETING HELD: 6/14/91

PRESENT: Jim Kinnerly, Mike Reynolds, Ray Metts, Michael Wright, Grady Bently Gene Goins, Robert Hart, Bob Gardner, Erie Habecker, Robert Getman, J.T. Harris Becky Balkcom, Stan Roughton, Mike Cope, W.W. Flowers, David Sibley, Jim Basinger, Frederick Brown, Ken Estes, Dania Aponte, Bascombe Hughs, John Lord Travis Newman, Frank Golder, Bob Moore, Terri Tuberville, and Jerry Peterson.

UNDERGROUND STORAGE TANKS : 2 possible sites

HAZARDOUS WASTE SITES : No known sites

FIELD REVIEW HELD: To be held at a later date.

COMMENTS: Design Exception will be required for maintaining existing grades on west end of the Line Creek Bridge and for two substandard vertical sags on both ends of same bridge. Peachtree City has requested grassed median to Line Creek (not included in cost estimate). S.R.34 to S.R.54 east to become the thru movement because 2/3 of traffic is on S.R.34 at S.R.34/54 split.

ATTACHMENTS: Typical Section
Preprogram Document
Preliminary Cost Estimate
Concept Team Meeting Minutes
R/W Estimate
Need and Purpose Statement

PRELIMINARY COST ESTIMATE

PREPARE BY: Michael Wright

DATE: 08-10-91

ESTIMATED LETTING DATE: FY 1994

PROJECT NO: FR-164-1(30), BHF-164-1(31)
BHF-164-1(32)

COUNTIES COWETA/FAYETTE

P.I. NOS: 322060, 322063, 322065

MILEAGE: 2.25

PROJECT DESCRIPTION: Widen and reconstruct SR34 and S.R.54, beginning on S.R.34 in Coweta County 1/4 mile west of Fischer Road and extending eastward along S.R.54. This project ends at the S.R.54/S.R.74 intersection in Fayette County.

PROPOSED CONCEPT: Widen and reconstruct S.R.34/S.R.54 from two lanes to four lanes with A 44 ft. depressed median from 1/4 mile west of Fischer Road to the Line Creek Bridge and a 20 ft. raised median to the S.R.54/S.R.74 intersection.

EXISTING ROADWAY (IF APPLICABLE): Two-lane rural asphaltic concrete section with variable width grassed shoulders on 100 feet minimum existing right of way.

TRAFFIC: EXISTING: 21100 (1995)

DESIGN: 37500 (2015)

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

PROJECT COSTS

A. RIGHT-OF-WAY:

1. PROPERTY:

land:	\$	
improvements:	\$	
(land & easements)	\$	848,000.00

2. DISPLACEMENTS	\$	
2A. DAMAGES	\$	10,000.00

3. OTHER COST:

adm./court: 45%		
\$		
inflation: 10%	\$	
(adm./court, inflation)	\$	510,000.00

SUBTOTAL: \$ 1,368,000.00

B. REIMBURSABLE UTILITIES:

1. RAILROAD	\$	0
2. TRANSMISSION LINES	\$	0
3. SERVICES (\$131,400.00)	\$	*LGPA

SUBTOTAL: \$ 0

* An LGPA is anticipated

C. NONREIMBURSABLE UTILITIES:

1. RAILROAD_____	\$	0
2. TRANSMISSION LINES_____	\$	0
3. SERVICES_____(1,207,198.00)_____	\$	0

D. MAJOR STRUCTURES:

1. RETAINING WALLS_____	\$	0
2. BRIDGES_(BHF-164-1(31) 60.33 ft.x 170 ft.) <u>52</u>	\$	533,319.00
(BHF-164-1(32) 60.33 ft.x 165 ft.) <u>55</u>	\$	517,631.00
(\$52.00 /sq. ft.)		<u>547,500</u>
3. DETOUR BRIDGES_____	\$	0
4. BOX CULVERTS_(single 4X4)_____	\$	8,260.00
SUBTOTAL:_____		\$ 1,059,210.00

E. GRADING AND DRAINAGE

1. EARTHWORK:		
(Unclass. Exc. 123,550 CY X ^{2.50} \$1.81/CY)	\$	<u>309,380</u> 223,990.00
2. DRAINAGE:		
a. Cross Drain Pipe (exc box culverts)_____	\$	12,455.00
b. Curb and Gutter _____	\$	82,836.00
(Tp. 7 in median widen to one side & Tp. 2)		
c. Longitudinal System (incl catch basins)_____	\$	51,000.00
SUBTOTAL:_____		\$ 357,826.00

F. BASE AND PAVING:

1. Aggregate Base		
(graded aggregate) 29,850T. x \$10.50/T._____	\$	313,425.00
2. Asphalt Paving		
Asph. Conc. "E" 6,550T. x \$33.14 /T. <u>32</u>	\$	217,067.00 - 7467
Asph. Conc. "B" 6,405T. x \$35.00 /T. <u>30</u>	\$	224,175.00 - 32025
Asph. Conc. BASE 9,850T. x \$27.49 /T.	\$	270,777.00
Asph. Conc. LEV 650T. x \$29.80 /T.	\$	19,370.00
Bitum. Tack Coat 6,750G. X \$ 0.76 /G.	\$	5,198.00
3. Concrete Paving _____(7.5 inches raised median	\$	<u>105,600</u> 238,100.00 202,600
symmetrical widening)		<u>97,000</u>
4. Other <u>1 mile 20' median with curb</u>	\$	0
SUBTOTAL:_____		\$ 974,687.00

G. LUMP ITEMS:

1. TRAFFIC CONTROL_____	\$	45,000.00
2. CLEARING AND GRUBBING____(47 acre x \$3600)_____	\$	169,200.00
3. LANDSCAPING_____	\$.0
4. EROSION CONTROL_____	\$	76,000.00
5. DETOURS_____	\$	0
	SUBTOTAL:_____	\$ 290,200.00

H. MISCELLANEOUS:

1. LIGHTING_____	\$	
2. SIGNING - STRIPING_____	\$	120,000.00
3. GUARDRAIL_____	\$	20,000.00
4. SIGNAL - SIDEWALK - MEDIAN BARRIER_____	\$	0
	SUBTOTAL:_____	\$ 140,000.00

I. SPECIAL FEATURES: _____ \$ 0

ESTIMATE SUMMARY
=====

A. RIGHT-OF-WAY_____	\$	1,368,000.00
B. REIMBURSABLE UTILITIES_____	\$	*LGPA
C. NONREIMBURSABLE UTILITIES_____	\$	

CONSTRUCTION ESTIMATE SUMMARY
=====

D. MAJOR STRUCTURES_____	\$	8,260.00	
BHF-164-1(31) _____	\$		533,319.00
BHF-164-1(32) _____	\$		517,631.00 <i>547500</i>
E. GRADING AND DRAINAGE_____	\$	357,826.00 <i>443,216</i>	
F. BASE AND PAVING_____	\$	974,678.00 <i>899686</i>	
G. LUMP ITEMS_____	\$	290,200.00	
H. MISCELLANEOUS_____	\$	140,000.00	<i>2854052</i>
I. SPECIAL FEATURES_____	\$	0	<i>428107</i>
			<i>328214</i>
SUBTOTAL CONSTR COST_____	\$	1,770,964.00	\$ 1,050,950.00
E. & C. (10%)_____	\$	177,097.00	\$ 105,095.00
INFLATION (5% PER YEAR 3yrs)_____	\$	307,063.00	\$ 182,223.00
TOTAL CONSTRUCTION COST_____	\$	2,255,124.00	\$ 1,338,268.00
GRAND TOTAL PROJECT COST_____	\$	4,961,392.00	

* An LGPA is anticipated

Need and Purpose Statement
Project FR-164-1(30)
AND
BHF-164-1(31) & (32)
Coweta/Fayette Counties

The SR 54 corridor is a rapidly developing corridor stretching from SR 34 in Coweta County near the Fayette County Line to US 41/SR 3 in Clayton County. Both commercial and residential developments are rapidly spreading along this corridor.

Traffic on SR 54 in the area of the proposed project have increased from 5,600-7,100 VPD in 1984 to 11,500-15,500 VPD in 1990, a annual average growth rate of 10.4%-15.1%.

SR 54 is currently being widened from SR 74 to McDonough Road east of Fayetteville. The remainder of SR 54 to US 41/SR 3 in Clayton County is in preconstruction. Likewise, the widening of SR 34 is in preconstruction from SR 54 to the end of the present 4 lane section east of I-85.

The proposed project will improve safety and provide increased capacity in the SR 54 corridor. The proposed project is included in the State Transportation Plan, the Coweta County Transportation Study and the Fayette County Road Improvement Plan.

recd. 7-25-91
M. S. G.
Ray M.
Mike W.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Mike

INTERDEPARTMENT CORRESPONDENCE

FILE FR-164-1(30) Coweta/Fayette OFFICE Atlanta
 BHF-164-1(31) Coweta/Fayette
 BHF-164-1(32) Fayette DATE June 14, 1991
 P.I. Nos. 322060, 322063, 322065 *Walker W. Scott*
 FROM Walker W. Scott, P.E., State Road & Airport Design Engineer
 TO DISTRIBUTION BELOW
 SUBJECT Minutes of Concept Team Meeting

The concept team meeting was held May 29, 1991 in the Road Design Conference Room. Individuals present were Jim Kennerly, Mike Reynolds, Ray Metts, Michael Wright, Grady Bentley, Gene Goins, Robert Hart, Bob Gardner, Erie Habecker, Robert Getman, J.T. Harris, Becky Balkcom, Stan Roughton, Mike Cope, W.W. Flowers, David Sibley, Jim Basinger, Frederick Brown, Ken Estes, Dania Aponte, Bascombe Hughs, John Lord, Travis Newman, Frank Golder, Bob Moore, Terri Tuberville, and Jerry Peterson.

The meeting was opened by Mike Reynolds, plan factual information was presented by Ray Metts and a visual presentation by Michael Wright.

PROJECT DESCRIPTION: Project FR-164-1(30) begins in Coweta County on SR 34, 1/4 mile west of Fischer Road with a proposed four-lane section, with a 44-foot depressed median. SR 54 has been relocated to intersect SR 34 1000± ft. east of Fischer Road with a two-lane roadway section. From Fischer Road east to a distance of 2000± feet, the 44 ft. median ends and from that point the 44 ft. median section transition to a 4-lane roadway with a 20 ft. raised median at Line Creek which is the beginning of Fayette County. From Line Creek eastward, the 20 ft. raised median continues and end the project at the intersection of SR 74. Project length is approximately 2.25 miles, 1± mile in Coweta County and 1.25± miles in Fayette County.

Proposed median openings are located at Fischer Road, SR 54/SR 34 intersection and Wynnmeade Parkway. The proposed R/W requirements are 100 ft. for relocated SR 54, 180 ft. for 44 ft. median section, and 150 ft. for 20 ft. median section. The posted speed limit and the design speed are the same, with a 45 mph limit in Fayette County, and 55 mph limit in Coweta County.

There are two bridge projects within the limits of this project, BHF-164-1(31) Line Creek Bridge and BHF-164-1(32) SCL Railroad Bridge.

GENERAL DISCUSSION: Mayor Brown of Peachtree City presented the cities list of proposed median openings and improvements along SR 54. Three median openings are requested; the first is located 2300± ft. west of SR 74, the second opening is located 900± ft. west of the first opening and the third is located at Wynnmeade Parkway.

Peachtree City plans to relocate Huddleston Road to tie into the first and second median openings proposed.

The City Of Peachtree requested that the DOT study the feasibility of constructing a cart path bridge along with the widening or replacing of the bridge over SCL Railroad, and also a cart path parallel to the R.R. under the bridge. Additional cost would be paid by the City of Peachtree. The City of Peachtree would also like to discuss additional cart path crossing before plans are finalized, no specific locations as of yet.

Mayor Brown and Jim Basinger stated that a median opening between SR 74 and the railroad bridge was agreed upon during R/W negotiations on project FR-164-1(13). After checking with Ray Crutchfield in the Office of Right of Way, the mentioned median opening was confirmed for project FR-164-1(30) Coweta/Fayette County.

A design exception may be required at the Line Creek Bridge for sag vertical curves on both ends, based on stopping sight distances. This would eliminate the raising of that bridge.

There is a potentially eligible historic resource requiring 106 involvement in the form of the Featherston Fishing Club on Wynns Pond at Line Creek on the north side of SR 54. Dania Aponte said with the concept as proposed there should be no 4F involvement.

The City of Peachtree is proposing that the DOT use a grassed median where the concept showed a 20 ft. raised median through Fayette County.

Frank Golder explained that this project is in it's preprogramming stage, and that a letting date, fiscal year 1992 is not realistic.

The Atlanta Gas Light Company has a 4" steel gas line attached to both bridges on this project, and would like to remain attached to bridges constructed on this project.

Required Project Data Status: Design traffic has been received. Accident data has been received. A need and purpose statement is requested from the Office of Planning. The project will be scheduled after concept approval is received.

The Office of Environmental/Location will provide mapping, determine the existence of wetlands, environmental analysis and other information as stated above and according to the project schedule.

A public hearing will be scheduled. A field review of utilities including cost estimate, findings, comments and recommendations is requested from the Office of Utilities. A right of way cost estimate is requested from the Office of Way.

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Minutes
June 14, 1991

WWS:MGR:bc

DISTRIBUTION: Juan Durrence, Ron Colvin, Kirby Hamil/Bob Moore,
David Studstill/Dania Aponte, w/plans; Van Etheridge/Robert Bentley,
Don Welch/John Lord, w/plans; Herman Griffin/Frank Golder, Robert
Humphrey, Dudley Ellis, Wayne Hutto, Gene Goins, w/plans; Charles
Nemmers/(FHWA), Federick Brown (Mayor/Peachtree City)

1002. 1-05-91
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D.O.T. 68

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE R/W Cost Estimate *BS.* OFFICE Atlanta
DATE July 3, 1991

FROM Donald E. Welch, State Rights of Way Engineer
TO Walker Scott, State Road & Airport Design Engineer
ATTN: Mike Reynolds, Road Design

SUBJECT Preliminary Right of Way Cost Estimate
Project: FR-164-1(30) Coweta/Fayette
P.I. No: 322060
Description: S.R. 34/54 Widening

As per your request, attached is a copy of an approved preliminary Right of Way Cost Estimate on the above referenced project.

If you have any questions, please contact Steve Crawford or Robert Sammons in this Office.

RS

DEW/SMC/RS/bs
Attachment
cc: Bob Humphrey, Engineering Services

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE R/W OFFICE Chamblee/Metro
DATE July 1, 1991

FROM *JT* John T. Lord, Right of Way Specialist, III
TO Donald E. Welch, State Rights of Way Engineer
Attention: Steve Crawford

SUBJECT Preliminary R/W Cost Estimate
FR-164-1(30) Coweta/Fayette
P.I.#322060
S.R. 34/54 WIDENING

As requested by Mike Reynolds of Road Design, a preliminary right of way cost estimate was made on the above referenced project. The estimate was made from an aerial layout furnished to this office.

The estimate is \$1,368,000.00

JTL:aw

Attachments

c: File

Donald E. Welch

DATE OF ESTIMATE: 7-1-91 BY: John Lord

TYPE ESTIMATE: Preliminary R/W Cost

PROJECT: FR-164-1(30) Coweta/Fayette

P.I. 322060

EXISTING R/W 100' REQUIRED R/W Varying

ESTIMATED NUMBER OF PARCELS: 30±

PROJECT TERMINI: S.R. 34 from 1/4 mi.± of Fischer Road East
along S.R. 34 and S.R. 54 to S.R. 74

PROJECT DESCRIPTION: Widening existing road to 4-divided with
44' and 20' medians

TYPE OF LAND USE: Highway Mixed VALUE APPLIED S.F. BASIS: \$1.47

TOTAL LAND COST: \$ 848,000.00

IMPROVEMENTS IMPACTED AND COST: (IF APPLICABLE) NA

RELOCATION COST: (IF APPLICABLE) NA

CONSEQUENTIAL DAMAGES: (IF APPLICABLE) \$ 10,000.00

Proximity

NET COST \$ 858,000.00

ADM./COURT COST FACTOR 45 % \$ 386,000.00

INFLATION FACTOR 10 % \$ 124,000.00

TOTAL COST \$1,368,000.00