ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-098(2) Banks County
P. I. No. 142266

OFFICE Preconstruction

DATE January 12, 2001

FROM C. Wayne Hutto, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT **PROJECT CONCEPT REPORT APPROVAL**

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

Tom Turner
David Mulling
Harvey Keepler
Jerry Hobbs
Herman Griffin
Michael Henry
Marion Waters
Marta Rosen
Paul Liles
Jimmy Chambers (ATTN: Ted Cashin)
Larry Dent

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0981(2) Banks County
P.I. No. 142266

OFFICE Preconstruction

DATE December 5, 2000

FROM Thomas L. Turner, P.E., Director of Preconstruction

TO J. Tom Coleman, Jr., Commissioner

SUBJECT PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on SR 105 over Middle Fork Broad River, 9.6 miles north of Homer, Georgia. The existing bridge, constructed in 1956, is load limited with a sufficiency rating of 33. State Route 105 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. Traffic is projected to be 2,300 VPD and 3,800 VPD in the years 2004 and 2024 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate SR 105 north of its present location, extending a total of 0.46 mile. The proposed new bridge will be 135' x 40' and will be located just north of the existing bridge structure. The relocated SR 105 will consist of two, 12' lanes with 10' rural shoulders (4' paved). Traffic will be maintained on the existing bridge while the proposed bridge is constructed.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; time saving procedures are appropriate.

The estimated costs for this project are:

	PROPOSED	APPROVED	PROG DATE	LET DATE
Construction (includes E&C and inflation)	$1,091,000	$201,000	2002	04-07
Right-of-Way	$ 103,000	$ 10,000		
Utilities*	LGPA	LGPA		

*Banks County signed LGPA on 7-16-99 for utilities.

BRST-0981(2) Banks
December 5, 2000

This project is in the STIP. I recommend this project concept be approved.

TLT:JDQ/cj

Attachment

CONCUR _____
Frank L. Danchetz, P.E., Chief Engineer

APPROVE _____
J. Tom Coleman, Jr., Commissioner

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRST-0981(2) Banks
P.I. Number 142266-

OFFICE: Atlanta, Georgia

DATE: November 28, 2000

FROM: David Mulling, Project Review Engineer DTM

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: **CONCEPT REPORT**

NOV 29 2000

We have reviewed the concept report submitted November 17, 2000 by the letter from Ted Cashin dated November 16, 2000, and have no comment.

The costs for the project are:

Construction	$902,000
Inflation	$ 90,000
E&C	$ 99,000
Reimbursable Utilities	$ 0
Right of Way	$103,000

DTM

c: Ted Cashin – Consultant Design Office

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-0981(2)
County: Banks
P. I. Number: 142266
DESCRIPTION: SR 105 over Middle Fork Broad River 9.6 Miles N. of Homer
Federal Route Number: N/A
State Route Number: 105
County Road Number: N/A

Date of Report: November 13, 2000 Revised: _____

RECOMMENDATION FOR APPROVAL

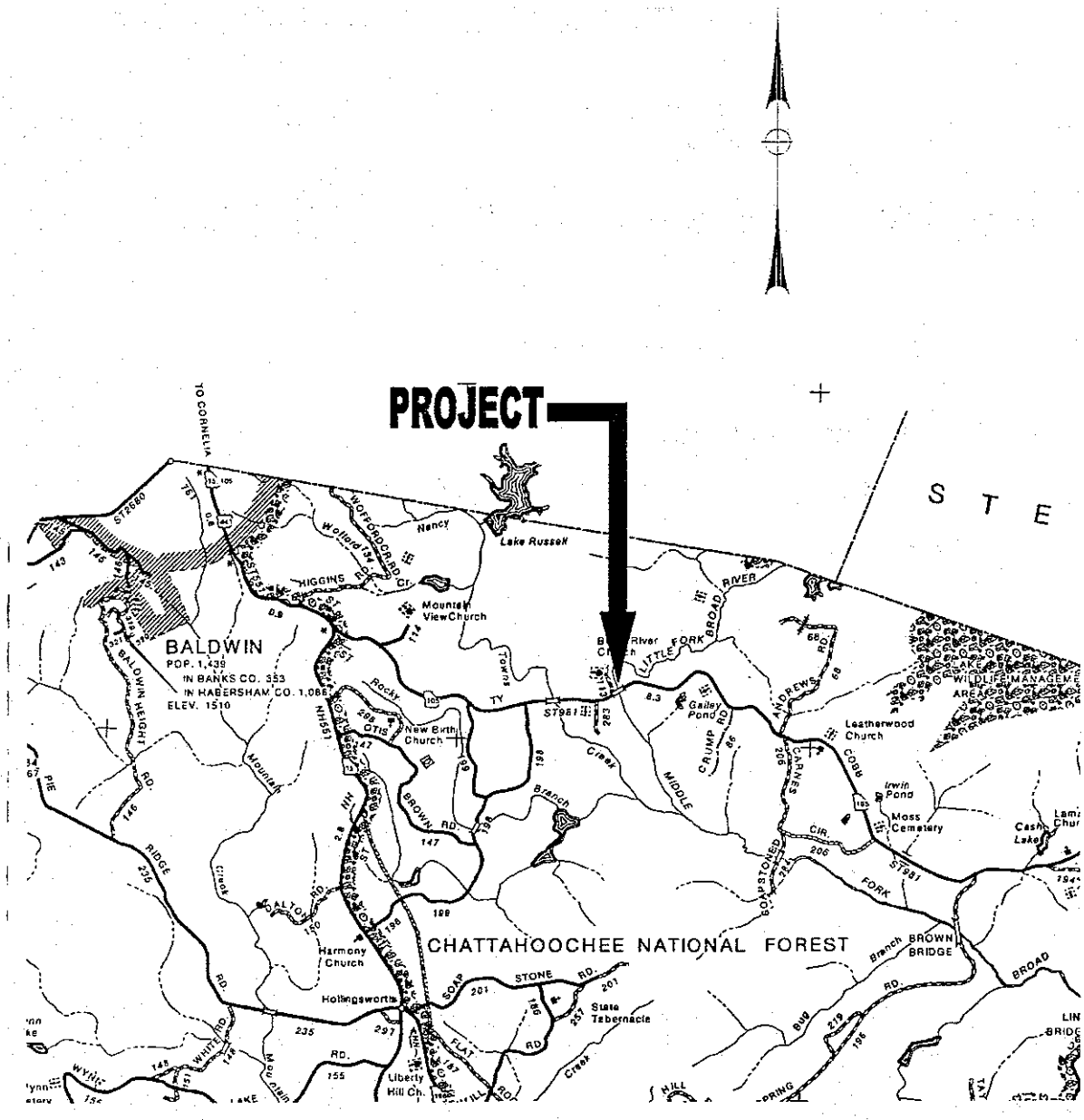
Note: This project is contained in the Regional Transportation Plan (RTP) and/or in the Statewide Transportation Improvement Program (STIP). The Concept as presented herein and submitted for approval is consistent with that which is included in the RTP and/or the STIP.

Date	State Transportation Planning Administrator
Date	State Transportation Programming Engineer
Date	State Environmental/Location Engineer
Date	District 1 Engineer / Gainesville
Date	Project Review Engineer
Date	State Traffic Operations Engineer
Date	State Bridge & Structural Engineer
11-16-00 Date	Project Manager- Ted Cashin

G:\15869_LPA\WO05\ADMIN\POJ_CONC_REPT5.DOC

PROJECT LOCATION MAP

DATE: November 13, 2000



Location Map

Project:BRST-0981(2) Banks County PI No.: 142266
Description: SR 105 over Middle Fork Broad River

PROJECT CONCEPT REPORT

DATE: November 13, 2000

PROJECT NUMBER: BRST-0981(2)

COUNTY: Banks

DESCRIPTION: Bridge Replacement

LENGTH: The total length of this project is approximately 2423 Ft. (0.46 Miles)

P.I. NO.: 142266

U.S. ROUTE NO.: N/A STATE RT. NO.: 105

LOCATION: SR 105 at Middle Fork Broad River , 9.6 Miles N. of Homer

MILE POINT REFERENCE:
BEGIN N/A END N/A

TRAFFIC

CURRENT		PROJECTED	
YEAR: 2004	AADT: 2300	YEAR: 2024	AADT: 3800

24 Hr. T=7%

PDP CLASSIFICATION	FUNCTION CLASSIFICATION
Minor	Rural Minor Arterial

FULL-OVERSIGHT ( ) CA( ) EXEMPT(X)

EXISTING DESIGN

TYPICAL SECTION: 2 lane rural 24 foot roadway, existing R/W width varies

POSTED SPEED 55 MI/HR MAX. DEGREE OF CURVE 7 deg.

MAX. EXISTING GRADE 0.0 %

EXISTING MAJOR STRUCTURES: 5 spans approximately 27 feet long

FEATURE INTERSECTED: Middle Fork Broad River

S. RTG: 33.0 LENGTH: 135 feet WIDTH: 29.7 feet

PROJECT NEED & PURPOSE: The purpose of project BRST-0981(2) is to replace a structurally deficient bridge on SR 105 over North Fork Broad River. The existing bridge's sufficiency rating is currently 33.0. See attached Need & Purpose Statement.

PROPOSED DESIGN

PROPOSED TYPICAL SECTION: Two 12'-0" travel lanes with 10'shoulders(4' Paved). Typical section attached.

PROPOSED RIGHT-OF-WAY WIDTH: 55' additional Right of Way or Easement is anticipated

DESIGN SPEED: 55 MPH

MAX. DEGREE OF CURVE: ALLOWABLE: 6 deg. PROPOSED: 6 deg.

MAX. GRADE: ALLOWABLE: 6.5 % PROPOSED: 0.0%

TYPE ACCESS: Permit

TRAFFIC CONTROL DURING CONSTRUCTION: The traffic will be maintained during construction on the existing bridge and a new bridge constructed on new alignment to the north of the existing. Staging will be utilized to tie new alignment to SR 105.

PROPOSED STRUCTURES: The proposed bridge will be 40'-0" wide, consisting of two 12'-0" travel lanes, and 8'-0" shoulders. The bridge is proposed to be 135 ' long.

DESIGN EXCEPTIONS REQUIRED

CONTROLLING CRITERIA	UNDETERMINED	YES	NO
HORIZONTAL ALIGNMENT:	( )	( )	(x)
ROADWAY WIDTH:	( )	( )	(x)
SHOULDER WIDTH:	( )	( )	(x)
VERTICAL GRADES:	( )	( )	(x)
CROSS SLOPES:	( )	( )	(x)
STOPPING SIGHT DISTANCE:	( )	( )	(x)
SUPERELEVATION RATES:	( )	( )	(x)
HORIZONTAL CLEARANCE:	( )	( )	(x)
SPEED DESIGN:	( )	( )	(x)
VERTICAL CLEARANCE:	( )	( )	(x)
BRIDGE WIDTH:	( )	( )	(x)
BRIDGE STRUCTURAL CAPACITY:	( )	( )	(x)

NUMBER OF PARCELS: 5

DISPLACEMENTS: 1 mobile home

COORDINATION AND SCHEDULING

CONCEPT TEAM MEETING DATE: OCT 11,2000

CONFORMS TO TIP/STIP? YES

MEETS LOGICAL TERMINI REQUIREMENTS? YES

P.A.R. MEETING: NONE ANTICIPATED

LEVEL OF ENVIRONMENTAL ANALYSIS: C. E.

PUBLIC INVOLVEMENT: NONE ANTICIPATED

PERMITS REQUIRED (COE 404,WATER QUALITY,TVA): NW 404

TIME SAVINGS PROCEDURES APPROPRIATE: YES

SCHEDULING CONSIDERATIONS:

TIME TO COMPLETE ENVIRONMENTAL: 6 (MONTHS)

TIME TO COMPLETE PRELIMINARY RD/RW PLANS: 3 (MONTHS)

TIME TO COMPLETE 404 PERMIT: 6 (MONTHS)

TIME TO COMPLETE FINAL CONSTRUCTION PLANS: 3 (MONTHS)

TIME TO BUY RIGHT OF WAY: 6 (MONTHS)

LOCAL GOVERNMENT COMMITMENTS: NONE IDENTIFIED

OTHER PROJECTS IN THE AREA: NONE IDENTIFIED

PROBABLE LOCATIONS OF USTS: NONE IDENTIFIED

PROBABLE LOCATION OF HAZARDOUS WASTE: NONE IDENTIFIED

ALTERNATES CONSIDERED: (1) Build proposed bridge on same location of the existing with temporary detour bridge and on-site detour; (2) Build proposed bridge on same location of the existing with off-site detour; close road: (3) Build proposed bridge by shifting the alignment to the south flattening the existing curve and staging construction while maintaining traffic; (4) Build proposed bridge parallel and offset from existing, and remove the existing bridge; (5) No Build

Cost Comparison Summary of Concepts 1 - 5

COMMENTS: Alternate (1) was eliminated because staging of construction could be accomplished more cost effectively by permanently changing the horizontal alignment and the current horizontal alignment does not meet speed design. Alternate (2) was eliminated due to the costs of rebuilding/repairing a lengthy detour route on county roads. Alternate (3) was eliminated due to right of way impacts. Alternate (5) was eliminated due to long term maintenance cost of structurally deficient bridge. Alternate (4) is selected for this concept.

ATTACHMENTS: COST ESTIMATE, TYPICAL SECTION, BRIDGE INVENTORY, LOCATION & DESIGN NOTICE, TRAFFIC ASSIGNMENTS, BRIDGE REPLACEMENT/REHABILITATION/NEED AND PURPOSE LETTER

PRELIMINARY COST ESTIMATE

DATE: November 13, 2000 PREPARED BY: Parsons Brinckerhoff

PROJECT NO.: BRST-0981(2)

P.I. NO.: 142266 LENGTH:

PROJECT DESCRIPTION: SR 105 over North Fork Broad River bridge replacement - Proposed bridge length of 135 ft and 40'-0" wide.

PROPOSED CONCEPT: Two 12'-0" travel lanes with 10'-0" shoulders(4' Paved).

EXISTING ROADWAY: State Route 105

TRAFFIC: Existing: 2300 ADT (2004) Design: 3800 ADT (2024)

( ) PROGRAMMING PROCESS (x) CONCEPT DEVEL. ( ) DURING PROJ DEVEL.

PROJECT COST	
A. RIGHT-OF-WAY:	
1. PROPERTY (R/W & EASEMENT)	$62,700
2. DISPLACEMENTS: 1 mobile home	$40,000
3. OTHER COST (ADM./COST, INFLATION)	$ 0
SUBTOTAL:A	$102,700
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	$ 0
2. TRANSMISSION LINES	$ 0
3. SERVICES	$
SUBTOTAL:B	$
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	
a. OVERPASSES – Bridge over North Fork Broad River(40'x135')@$75/Sq Ft	$ 405,000
b. APPROACH SLAB – 267 SY @ $90/SY, 2 spillways @ $1200 ea	$ 26,430
SUBTOTAL:C-1	$ 431,430
2. GRADING AND DRAINAGE:	

PROJECT COST		
a. EARTHWORK – 30,000 CY Borrow @ $5.00/CY		$ 150,000
b. DRAINAGE:		
1) CROSS DRAIN PIPE		$
2) LONGITUDINAL SYSTEMS (INCL CATCH BASINS)		$ 0
SUBTOTAL:C-2		$ 150,000
3. BASE AND PAVING:		
a. AGGREGATE BASE – 3842 TN @ $18/TN		$ 69,156
b. ASPHALT PAVING: SURFACE – 528 TN @ $40/TN	$ 21,120	
BINDER – 722 TN @ $40/TN	$ 28,880	
BASE - 1092 TN @ $40/TN	$ 43,680	
SUBTOTAL:C-3.b		$ 93,680
c. CONCRETE PAVING		$
d. OTHER - Bitum. Tack Coat 1095 Gal @ $1.00/Gal		$ 1095
SUBTOTAL:C-3		$ 163,931
4. LUMP ITEMS:		
a. GRASSING – 5 acres @ $1000/acre		$ 5,000
b. CLEARING AND GRUBBING -		$
c. LANDSCAPING		$
d. EROSION CONTROL- Silt Fence type A 2500 LF @ $3.10/LF, Silt Fence Type C 500 LF @ $4.80/LF		$ 10,150
e. TRAFFIC CONTROL		$ 25,000
SUBTOTAL:C-4		$ 40,150
5. MISCELLANEOUS:		
a. LIGHTING - NONE		$
b. SIGNING - MARKING		$ 5,000
c. GUARDRAIL – "W" Beam 1000 LF @ $15/LF, 4 each Type 12 Anch @ $1700 ea		$ 21,800
d. CURB & GUTTER - NONE		

PROJECT COST	
SUBTOTAL:C-5	$ 26,800
6. SPECIAL FEATURES – Rem. Exist. Bridge $50,000, Field Eng. Office Ty 2 $40,000 SUBTOTAL:C-6	$ 90,000

ESTIMATE SUMMARY			
A. RIGHT-OF-WAY		$ 102,700	
B. REIMBURSABLE UTILITIES		$	
C. CONSTRUCTION			
1. MAJOR STRUCTURES		$ 431,430	
2. GRADING AND DRAINAGE		$ 150,000	
3. BASE AND PAVING		$ 163,931	
4. LUMP ITEMS		$ 40,150	
5. MISCELLANEOUS		$ 26,800	
6. SPECIAL FEATURES		$ 90,000	
SUBTOTAL CONSTRUCTION COST			$ 902,311
E. & C. (10%)			$ 90,231
INFLATION (5% PER YEAR)			$ 99,255
NUMBER OF YEARS	2		
TOTAL CONSTRUCTION COST			$ 1,091,797
GRAND TOTAL PROJECT COST			**$ 1,194,497**

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. BRST-0981(2)
P.I. No. 142266

Notice is hereby given in compliance with Georgia code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

This project consists of improvements of S.R. 105 over North Fork Broad River, located in Banks County, GMD 1580 and 371. The improvement project includes building a new bridge offset from the existing bridge and removal of the existing bridge.

Date of Location Approval: 12-JANUARY-2001

Drawings and/or maps, and/or plats of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation. Any interested party may obtain a copy of the drawings or maps or plats by writing to the Georgia Department of Transportation, No. 2 Capitol Square, Atlanta, Georgia 30334 and paying a nominal cost thereof.

Any written request in reference to this Notice SHOULD include the PROJECT AND P.I. NUMBERS AS NOTED AT THE TOP OF THIS NOTICE AND may by referenced to:

James R. Chambers
Georgia Department of Transportation
No. 2 Capitol Square
Atlanta, Georgia 30334

Need and Purpose Statement
BANKS COUNTY
BRST-0981(2)
P.I. 142266

The purpose of this project is to replace the SR 105 bridge over Middle Fork Broad River. The project is located 9.6 miles north of the City of Homer and consists of the replacement of the bridge and the reconstruction of the approaches for a total distance of approximately 0.46 miles.

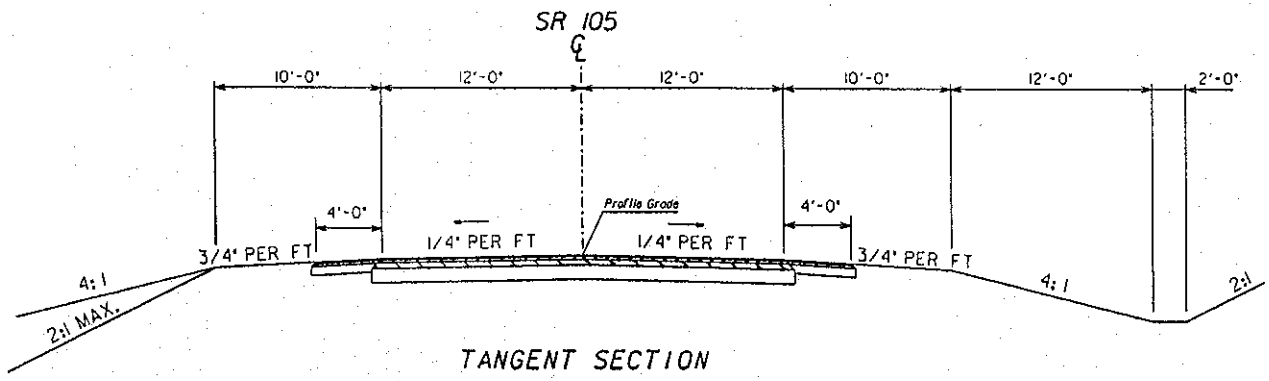
The Bridge over the Middle Fork Broad River was constructed in 1956. The existing two lane bridge is 29.7 feet wide and 135 feet long. SR 105 has a speed limit of 55 MPH. The bridge has a sufficiency rating 33.00 out of 100. A sufficiency rating of less than 50 indicates that the bridge is structurally deficient. The bridge has been posted to restrict vehicles carrying more than 32 tons, which is less than the standard for facilities on the state highway system. The design for this bridge does not have the load carrying capacity needed for the current truck traffic and needs to be replaced. Traffic for the year 2004 is estimated to be 2,300 VPD. SR 105 along this section currently operates at level of service A.

The proposed project will be to replace the exiting bridge with a structure 40 feet wide. The new structure will have two 12 foot travel lanes plus two 8 foot shoulders. The additional width will improve the safety of this facility. Project traffic for the year 2024 is projected to be 3,800, yielding a satisfactory level of service B.

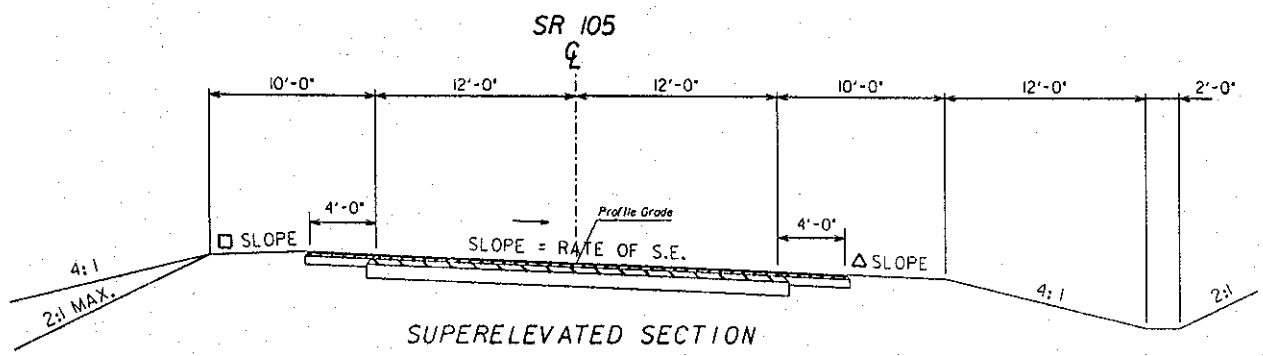
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BRST-0981(2)		

TYPICAL SECTIONS

S. R. 105



TANGENT SECTION



SUPERELEVATED SECTION

THE LPA GROUP
TRANSPORTATION CONSULTANTS
5255 TRIANGLE PARKWAY, SUITE 300
NORCROSS, GEORGIA 30092
(770) 263-9118

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 011-0016-0 **Banks County** SUFF. RATING: 33.0

Location & Geography

Structure I.D. No.: 011-0016-0
200 Bridge Information: 06

* 6A Feature Int.: MIDDLE FORK BROAD RIVER
* 6B Critical Bridge: 0
* 7A Route Number Carried: SR00105
* 7B Facility Carried: SR 105
* 9 Location: 9.6 MI NORTH OF HOMER
2 DOT District: 1
207 Year Photo: 1999

* 91 Inspection Frequency: 24 Date: 12/07/1999
92A Fract Crit Insp Freq: 0 00 Date: 0000
92B Underwater Insp Freq: 0 00 Date: 0000
92C Other Spc. Insp Freq: 0 00 Date: 0000

* 4 Place Code: 00000

* 5 Inventory Route (O/U): 1
Type: 3
Designator: 1
Number: 00105
Direction: 0

* 16 Latitude: 34-28.3
* 17 Longitude: 83 -29.1

98 Border Bridge: 000 %Shared: 00
99 ID Number: 000000000000000

* 100 Defense Highway: 0
* 101 Parallel Structure: N
* 102 Direction of Traffic: 2
264 Road Inventory Mile Post: 006.56

* 208 Inspection Area: 01 Initials: GMC

* Location I.D. No: 011-00105D-006.86N
* XReferen I.D. No: 000-000000-000.000

* 104 Highway System: 0
* 26 Functional Classification: 07
* 204 Federal Route Type: S No: 00981
* 110 Truck Route: 0
206 School Bus Route: 1
217 Benchmark Elevation: 0.00
218 Datum: 0
* 19 Bypass Length: 8
* 20 Toll: 3
* 21 Maintenance: 01
* 22 Owner: 01
* 31 Design Load: 2
37 Historical Significance: 5
205 Congressional District: 11
* 27 Year Constructed: 1956
106 Year Reconstructed: 0000
33 Bridge Median: 0
34 Skew: 00
35 Structure Flared: 0
38 Navigation Control: 0
213 Special Steel Design: 0
267 Type of Paint: 5

* 42 Type Service On: 1
Under: 5
214 Movable Bridge: 00
203 Type Bridge: E-N-M-O
259 Pile Encasement: 2
* 43 Structure Type Main: 4 02
45 No. Spans Main: 004
44 Structure Type Appr: 3 3
46 No. Spans Appr: 0001
226 Bridge Curve Horz: 0 Vert: 1
111 Pier Protection: 0
107 Deck Structure Type: 1

108 Wearing Surface Type: 1
Membrane: 0
Protection: 8

Signs & Attachments

223 Expansion Joint Type: 02
242 Deck Drains: 1

243 Parapet Location: 0
Height: 0
Width: 0

238 Curb: 1.2 1
239 Handrail: 1 1
* 240 Median Barrier Rail: 0

241 Bridge Median Height: 0
Width: 0

* 230 Guardrail Loc Dir Rear: 3
Fwrd: 3
Oppo Dir Rear: 0
Fwrd: 0

244 Approach Slab: 3
224 Retaining Wall: 0

233 Posted Speed Limit: 55
236 Warning Sign: 1
234 Delineator: 1
235 Hazard Boards: 1

237 Utilities Gas: 00
Water: 00
Electric: 00
Telephone: 32
Sewer: 00

247 Lighting Street: 0
Navigation: 0
Aerial: 0

* 248 County Continuity No: 00

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 011-0016-0 **Banks County** SUFF. RATING: 33.0

Programming Data

201 Project No: S-0981 (1)
202 Plans Available: 1
249 Prop. Proj No: BRST-0981 (2)
250 Approval Status: 0000
251 P.I. No: 142266
252 Contract Date: 02/01/2002
260 Seismic No: 00000
75 Type Work: 34 1
94 Bridge Imp. Cost: $ 34
95 Roadway Imp. Cost: $ 33
96 Total Imp. Cost: $ 119
76 Imp. Length: 000346
97 Imp. Year: 1990
114 Future ADT: 002100 Year: 2018

Hydraulic Data

215 Waterway Data
Highwater Elev: 0000.0 Year: 0000
Flood Elev: 0000.0 Freq: 00
Avg. Streambed Elev: 0000.0
Drainage Area: 00013
Area of Opening: 000980
113 Scour Critical: 6
216 Water Depth: 02.7 Br Height: 25.2
222 Slope Protection: 1
221 Spur Dikes Rear: 0 Fwrd: 0
219 Fender System: 0
220 Dolphin: 0
223 Culvert Cover: 000
Type: 0
No Barrels: 0
Width: 0.0
Height: 0.0
Length: 0
Apron: 0
* 265 U/W Insp. Area: 0 Diver: ZZZ

* Location I.D. No: 011-00105D-006.86N
* XReferen I.D. No: 000-000000-000.000

Measurements

* 29 ADT: 001400 Year: 1998
109 % Trucks: 9
* 28 Lanes On: 02 Under: 00
210 No. Tracks On: 00 Under: 00
* 48 Max. Span Length: 0027
* 49 Structure Length: >135
51 Br. Rdwy. Width: 23.7
52 Deck Width: 29.7
* 47 Tot. Horz. Cl: 23.7
50 Curb/Sdewlk Width: 2.0/2.0
32 Approach Rdwy Width: 024
* 229 Shlder Width:
Rear Lt: 2.0 Type: 2 Rt: 3.1
Fwrd Lt: 2.5 Type: 2 Rt: 2.6
Pvment Width:
Rear: 20.6 Type: 2
Fwrd: 20.0 Type: 2
Intersection Rear: 1 Fwrd: 0
36 Safety Features Br. Rail: 2
Transition: 2
App. G. Rail: 2
App. Rail End: 1
53 Minimum Cl. Over: 99' 99"
Under: N 00' 00"
* 228 Min. Vert. Cl
Act. Odm. Dir: 99' 99"
Oppo. Dir: 99' 99"
Posted Odm. Dir: 00' 00"
Oppo. Dir: 00' 00"
55 Lateral Undercl. Rt: N 99.9
56 Lateral Undercl. Lt: 0.0
* 10 Max Min Vert Cl: 99' 99" Dir: 0
39 Nav Vert Cl: 000 Horz: 0000
116 Nav Vert Cl Closed: 000
245 Deck Thickness Main: 6.0
Deck Thick Approach: 6.0
246 Overlay Thickness: 0.0
211 Tons Structural Steel: 0.0
212 Year Last Painted: Sup: 1995 Sub: 1995

Ratings

66 Inventory Type: 2 Rating: 13
64 Operating Type: 2 Rating: 29
231 Calculated Loads
H-Modified: 15 1
HS-Modified: 22 1
Type 3: 27 1
Type 3s2: 33 1
Timber: 25 1
Piggyback: 00 0
261 H Inventory Rating: 10
262 H Operating Rating: 15
67 Structural Evaluation: 2
58 Deck Condition: 6
59 Superstructure Condition: 5
* 227 Collision Damage: 0
60A Substructure Condition: 6
60B Scour Condition: 5
60C Underwater Condition: N
71 Waterway Adequacy: 8
61 Channel Protection Cond: 6
68 Deck Geometry: 3
69 UnderClr. Horz/Vert: N
72 Appr. Alignment: 6
62 Culvert: N

Posting Data

70 Bridge Posting Required: 3
41 Struct Open, Posted, Cl: P
* 103 Temporary Structure: T

232 Posted Loads H-Modified: 15
HS-Modified: 00
Type 3: 27
Type 3S2: 00
Timber: 32
Piggyback: 00
253 Notification Date: 0000
253 Fed Notify Date: 0000 2

Ebodaghe, Abby
Sent: Tuesday, October 06, 1998 8:39 AM
To: Chambers, Jimmy
Subject: Traffic Assignments for S.R. 105 @ Middle Fork Broad River.

Department of Transportation
State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0981(2), Banks County
P.I. # 142266

OFFICE Environment/ Location

DATE December 8, 1999

FROM David E. Studstill, P.E., State Environment/ Location

TO Jimmy Chambers, Office of Consultant Management
Attn. Ted Cashin

SUBJECT We are furnishing estimated traffic assignments for the above project as follows:

2004 AADT = 2300
2024 AADT = 3800
K = 10%
D = 60%
T = 5%
24 HR. T = 7%
S.U. = 3.5%
COMB. = 3.5%

If you have any questions concerning this information please contact Abby Ebodaghe at (404) 505-4889.

P.I. NUMBER : 142266- BANKS CO. SCHED. LET: 20-03

DESCRIPTION : SR 105 @ MIDDLE FORK BROAD RIVER 9.6 MI NORTH OF HOMER
PROJECT NO. : BRST-0981(2)
P.E. PROJECT: BRST-0981(2)
PROJ. LENGTH: .22 MI. CONCEPT:

ASST. HD: JRC
SQUAD LDR: T. CASHIN

BIKE:
METRIC:
CONSULTANT: C
P.E. DATE: 10/25/99

ACTIVITY	SCHED START	SCHED FINISH	ACTUAL START	ACT/EST FINISH	PCT	NOTES
CONCEPT PHOTOS			NO RPT	NO RPT	N/R	
DRAFT CONCEPT/RPT			NO RPT	NO RPT	0%	
CONCEPT MTG				NO RPT		
SUB RPT TO ENG SERV				NO RPT		
RECV ENG SERV APPRV				NO RPT		
MGMT APPRV REPORT			NO RPT	NO RPT	0%	
ENVIRONMENTAL			1-Jul-2000	31-Dec-2000	0%	
HOLD HEARING				NO RPT		
MAPPING			NO RPT	NO RPT	N/R	
PHOTO X-SECTIONS			NO RPT	NO RPT	N/R	
FIELD SURVEYS			NO RPT	NO RPT	0%	
FINAL ALT. APPROVAL				NO RPT		
_ & D APPROVAL			NO RPT	NO RPT	0%	
HOLD PREL. FPR				NO RPT		
PREL RD/RW PLANS			NO RPT	NO RPT	0%	
APPROVE R/W PLANS			NO RPT	NO RPT	0%	
SECURE 404 PERMIT			NO RPT	NO RPT	0%	
PREL BRIDGE/HYDRAU			NO RPT	NO RPT	0%	
BRIDGE PLANS			NO RPT	NO RPT	0%	
RECV SOIL SURVEYS				NO RPT		
U.S.T.'S			NO RPT	NO RPT	0%	
HOLD FINAL FPR				NO RPT		
FINAL CST. PLANS			NO RPT	NO RPT	0%	

PROGRAM ESTIMATES

PE :	$5,000
R/W :	$10,000
CNST:	$201,000
EST DATE:	4/15/99
LOC TAX	N
STIP:	Y
PE PROG DATE:	9910
R/W PROG DATE:	2001
CST PROG DATE:	2002
EXEMPT:	Y

R/W DATA

SCHED R/W AUTH:	20-03
ACT. R/W AUTH:	20-03
R/W ACQD. BY:	DOT
# PARCELS:	0
# APPR. TO DATE:	0
# ACQD. TO DATE:	0

COMMENTS

>PDD : [01R] APRIL BOARD ADDITION: ASSIGNED CONSULTANT TASK FORCE 4/30/99
>DZN :
>PLAN:
>DIST:
>T&S : NO SIGN & MKG PLANS REQ'D KRA 4/29/99 #
>BR : 4-17 BRIDGE REQUIRED
>UT :
>RR :
>LGPA: BANKS SIGNED DO UTILITIES 7-16-99.

>LOC : BRIDGE
>EIS : PRESTON - CONSULT TASK FORCE
>404 : CONSULTANT TASK FORCE-NW 23 EXPECTED
>UST :
>PITS:
>R/W :

Parsons Brinckerhoff
3340 Peachtree Road, NE
Suite 2400, Tower Place
Atlanta, GA 30326-1001
404-237-2115
Fax 404-237-3015

Memorandum of Concept Meetings

Date: October 12, 2000

Date of Meeting: October 10, 2000

Project: Work Order 4 – SR 51 over Grove Creek
Work Order 5 – SR 105 over Middle Fork Broad River
BRST-0885 (3), BRST-0981 (2), Banks County
P.I. No. 142265, 142266

Purpose of Meeting: Concept meeting to discuss the conceptual plans for the two projects, the circumstances surrounding them, and any possible complications.

Meeting Location: GDOT Gainesville District Office

Attendees:

Allen Ferguson	GDOT	770-532-5510
Robby Oliver	GDOT	770-532-5510
Parks Preston	GDOT	404-699-4415
Todd Long	GDOT	770-532-5520
Billy Cantrell	GDOT	770-532-5563
Bobby Murray	GDOT	770-532-5563
Tony Bradley	GDOT	770-532-5580
Leon White	ALLteL	706-776-4507
Doug Smith	Jackson EMC	770-538-2528
Al Bowman	LPA Group	770-263-9118
Danny Godwin	LPA Group	770-263-9145
Roger Palmer	PBQ&D	404-364-2658
Jim Graybeal	PBQ&D	404-364-8190
Cristina Ley	PBQ&D	404-364-2661

Distribution: Attendees
Terry Kazmerzak PBQ&D

Jim Graybeal led the discussion by reviewing the contents of the concept report. Afterward, comments and concerns were brought up about the project and are as noted below.

Work Order 4 Discussion:

- Power lines cross the project East of the bridge
- No additional Need & Purpose will be supplied by GDOT however, typical language is that it is the Department's policy that when the sufficiency rating is less than 50, the structurally deficient bridge must be replaced. In addition, this serves the regional area, including access to Homer.
- The new bridge must be raised; the current one is too low.

- PB needs profile information
- A temporary onsite bridge on the north side will maintain traffic while the new bridge is constructed in its original location.
- A pond is located on the south side and a dam faces the bridge.
- Between the bridge and power lines appear to be wetlands.
- Project was originally estimated to be $350k and is now estimated at more than $1.2 mil.
- The project limit on the east side may need to be extended based on whether it meets speed design criteria.

Work Order 5 Discussion:

- Like WO 4, no profiles have been produced yet.
- Currently, there appears to have been problems on the end bents of the bridge.
- The new bridge will be placed to the North of the existing bridge and the old bridge would be demolished.
- There is 1 Mobile Home within the ROW which will need to be relocated.
- CR 113, which services a church only, ties into SR 105 on the north side near the bridge.
- There is a high bank on SR 105.
- The bridge does not need to be raised.
- Sight distance is a problem on the west side of the bridge
- The survey will be done back to the sag in the roadway on the west side.
- ALLtel has a cable going out along CR 113 and 2 cables going across the bridge.
- Currently someone, likely the owner of the chicken coops, is using the additional space under the bridge as tractor access. Designers will make efforts to maintain this access with the new bridge.

The foregoing is my understanding of the topics discussed. If you have any corrections or comments, please fax them to me at 404-237-3015.

Sincerely,

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.

Roger A. Palmer

Roger A. Palmer, P.E.
Project Manager

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-0981(2)
County: Banks
P. I. Number: 142266
DESCRIPTION: SR 105 over Middle Fork Broad River 9.6 Miles N. of Homer
Federal Route Number: N/A
State Route Number: 105
County Road Number: N/A

Date of Report: November 13, 2000 Revised: _____

RECOMMENDATION FOR APPROVAL

Note: This project is contained in the Regional Transportation Plan (RTP) and/or in the Statewide Transportation Improvement Program (STIP). The Concept as presented herein and submitted for approval is consistent with that which is included in the RTP and/or the STIP.

Date	State Transportation Planning Administrator
Date	State Transportation Programming Engineer
Date	State Environmental/Location Engineer
Date	District 1 Engineer / Gainesville
Date	Project Review Engineer
Date	State Traffic Operations Engineer
11/28/00 Date	Paul V. Liles Jr. State Bridge & Structural Engineer
Date	Project Manager- Ted Cashin

G:\15869_LPA\WO05\ADMIN\POJ_CONC_REPT5.DOC

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-0981(2)
County: Banks
P. I. Number: 142266
DESCRIPTION: SR 105 over Middle Fork Broad River 9.6 Miles N. of Homer
Federal Route Number: N/A
State Route Number: 105
County Road Number: N/A

Date of Report: November 13, 2000 Revised: _____

RECOMMENDATION FOR APPROVAL

Note: This project is contained in the Regional Transportation Plan (RTP) and/or in the Statewide Transportation Improvement Program (STIP). The Concept as presented herein and submitted for approval is consistent with that which is included in the RTP and/or the STIP.

Date	State Transportation Planning Administrator
Date	State Transportation Programming Engineer
Date	State Environmental/Location Engineer
11/21/00 Date	Larry E. Denkop District 1 Engineer / Gainesville
Date	Project Review Engineer
Date	State Traffic Operations Engineer
Date	State Bridge & Structural Engineer
Date	Project Manager- Ted Cashin

G:\15869_LPA\WO05\ADMIN\POJ_CONC_REPT5.DOC

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-0981(2)
County: Banks
P. I. Number: 142266
DESCRIPTION: SR 105 over Middle Fork Broad River 9.6 Miles N. of Homer
Federal Route Number: N/A
State Route Number: 105
County Road Number: N/A

Date of Report: November 13, 2000 Revised: _____

RECOMMENDATION FOR APPROVAL

Note: This project is contained in the Regional Transportation Plan (RTP) and/or in the Statewide Transportation Improvement Program (STIP). The Concept as presented herein and submitted for approval is consistent with that which is included in the RTP and/or the STIP.

11/20/00 Date	Marta V. Rosen State Transportation Planning Administrator
_____ Date	_____ State Transportation Programming Engineer
_____ Date	_____ State Environmental/Location Engineer
_____ Date	_____ District 1 Engineer / Gainesville
_____ Date	_____ Project Review Engineer
_____ Date	_____ State Traffic Operations Engineer
_____ Date	_____ State Bridge & Structural Engineer
_____ Date	_____ Project Manager- Ted Cashin

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-0981(2)
County: Banks
P. I. Number: 142266
DESCRIPTION: SR 105 over Middle Fork Broad River 9.6 Miles N. of Homer
Federal Route Number: N/A
State Route Number: 105
County Road Number: N/A

Date of Report: November 13, 2000 Revised: _____

RECOMMENDATION FOR APPROVAL

Note: This project is contained in the Regional Transportation Plan (RTP) and/or in the Statewide Transportation Improvement Program (STIP). The Concept as presented herein and submitted for approval is consistent with that which is included in the RTP and/or the STIP.

Date	State Transportation Planning Administrator
Date	State Transportation Programming Engineer
Date	State Environmental/Location Engineer
Date	District 1 Engineer / Gainesville
11/28/00 Date	Project Review Engineer
Date	State Traffic Operations Engineer
Date	State Bridge & Structural Engineer
Date	Project Manager- Ted Cashin

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

RECEIVED NOV 29 2000

File: BRST-0981(2)/Banks County
P.I. No. 142266

Office: Traffic Operations
Atlanta, Georgia
Date: November 20, 2000

From: M.G. Waters, III, P.E., State Traffic Operations Engineer

To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review

We have reviewed the concept report on the above project for the replacement of a structurally deficient bridge on SR 105 over the Middle Fork Broad River, located 9.6 miles north of Homer. The existing bridge is 29.7 feet in width with a sufficiency rating of 33.

SR 105 is a rural two lane roadway with a posted speed limit of 55mph. Traffic for the year 2004 is estimated at 2300vpd and design year, 2024, traffic estimate an increase to 3800vpd.

This project will construct a new structure, on new alignment, north of the existing bridge. The proposed bridge will be 40 feet in width and this is in conformance with MOG 4265-10. Traffic will be maintained on the existing bridge, via staging, during construction.

We believe this concept will improve safety and traffic operations along this section of roadway.

We therefore find this report satisfactory for approval.

MGW:TWS

Attachment (signature page)

c: Harvey Keepler
James R. Chambers, P.E., State Consultant Design Engineer
Attention: Ted Cashin
David Mulling, w/ attachment
Marta Rosen
Joe Garland, District Traffic Operations Engineer, Gainesvile
Chuck Hasty, TMC
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-0981(2)
County: Banks
P. I. Number: 142266
DESCRIPTION: SR 105 over Middle Fork Broad River 9.6 Miles N. of Homer
Federal Route Number: N/A
State Route Number: 105
County Road Number: N/A

Date of Report: November 13, 2000 Revised: _____

RECOMMENDATION FOR APPROVAL

Note: This project is contained in the Regional Transportation Plan (RTP) and/or in the Statewide Transportation Improvement Program (STIP). The Concept as presented herein and submitted for approval is consistent with that which is included in the RTP and/or the STIP.

Date	State Transportation Planning Administrator
Date	State Transportation Programming Engineer
Date	State Environmental/Location Engineer
Date	District 1 Engineer / Gainesville
Date	Project Review Engineer
11/28/2000 Date	Marion Hulsey State Traffic Operations Engineer
Date	State Bridge & Structural Engineer
Date	Project Manager- Ted Cashin

G:\15869_LPA\WO05\ADMIN\POJ_CONC_REPT5.DOC

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-0981(2)
County: Banks
P. I. Number: 142266
DESCRIPTION: SR 105 over Middle Fork Broad River 9.6 Miles N. of Homer
Federal Route Number: N/A
State Route Number: 105
County Road Number: N/A

Date of Report: November 13, 2000 Revised: _____

RECOMMENDATION FOR APPROVAL

Note: This project is contained in the Regional Transportation Plan (RTP) and/or in the Statewide Transportation Improvement Program (STIP). The Concept as presented herein and submitted for approval is consistent with that which is included in the RTP and/or the STIP.

Date	State Transportation Planning Administrator
11/20/00 Date	State Transportation Programming Engineer
Date	State Environmental/Location Engineer
Date	District 1 Engineer / Gainesville
Date	Project Review Engineer
Date	State Traffic Operations Engineer
Date	State Bridge & Structural Engineer
Date	Project Manager- Ted Cashin