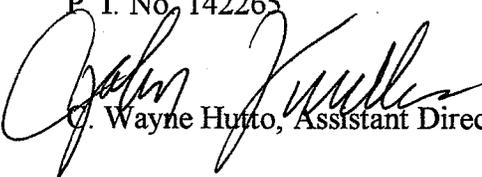


ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0885(3) Banks County **OFFICE** Preconstruction
P. I. No. 142265
DATE February 5, 2002
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

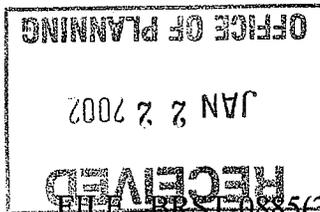
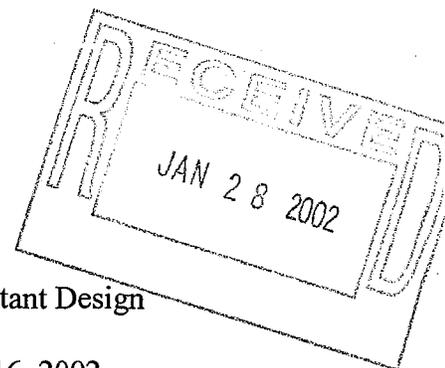
Attachment

DISTRIBUTION:

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Larry Dent
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE



BRST 0885(3), Banks County

OFFICE : Consultant Design

P.I. No. 142265

S.R. 51 Over Grove Creek

DATE: January 16, 2002

FROM: *James B. Buchan, mpe*
Ben Buchan, P.E., State Consultant Design Engineer

TO: Wayne Hutto, Assistant Director of Preconstruction

SUBJECT: **Revised Project Concept Report**

Attached is the original copy of the revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

It is recommended to shift the existing roadway alignment on a permanent alignment located approximately 18 feet to the south at the bridge location and construct the new Double plus Triple (5 barrels) 10 foot X 9 foot concrete bridge culvert centered about the proposed alignment. This will allow the new structure to be constructed without acquiring additional right-of-way from the identified archaeological site located on the north side of the existing roadway.

The proposed shifted alignment would shorten the approved project length by approximately 1100 feet. The new project length is 0.34 miles. A portion of the proposed culvert will be constructed to the south sufficient enough to provide an on-site run-a round detour. Traffic will be shifted to the detour alignment and the culvert completed to the north. The shifted alignment with the proposed Double plus Triple (5 barrels) 10 foot X 9 foot concrete bridge culvert will produce a saving of \$340,288 in the project construction cost, and will eliminate impacts to the archeology site located to the north side of the existing bridge.

The revised concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE: *1/24/02*

Marta Rosen
State Transportation Planning Administrator

JJB:MBA:OC

Distribution:

David Mullins/Project Review Engineer
Harvey Keeper/State Environmental/Location Engineer
Phillip Allen/State Traffic Safety and Design Engineer
Marta Rosen/State Transportation Planning Administrator
Herman Griffin/Office of Financial Management Administrator
Larry Dent/District 1 Engineer
Paul Liles/State Bridge Design Engineer

REVISED PROJECT CONCEPT REPORT

Need and Purpose: See attached Need and Purpose Statement

Project location: This project BRST-0885 (3), Banks County, P.I. No. 142265 is a bridge replacement on S.R. 51 over Grove Creek 7 miles west of Homer. The project length is 0.55 miles, beginning at mile log 3.09 and ending at mile log 3.64.

Description of the approved concept: The concept approved for this project is to construct a new bridge at the existing bridge location. The traffic is to be maintained during the replacement of the bridge by constructing a temporary detour roadway and drainage structure on a shifted alignment located to the north of the existing bridge over Grove Creek.

PDP Classification:

Full Oversight (), Exempt(**X**), SF(), Other

Functional Classification: Rural Minor Arterial

U. S. Route Number(s): None

State Route Number(s): 51

Traffic (AADT) as shown in the approved concept:

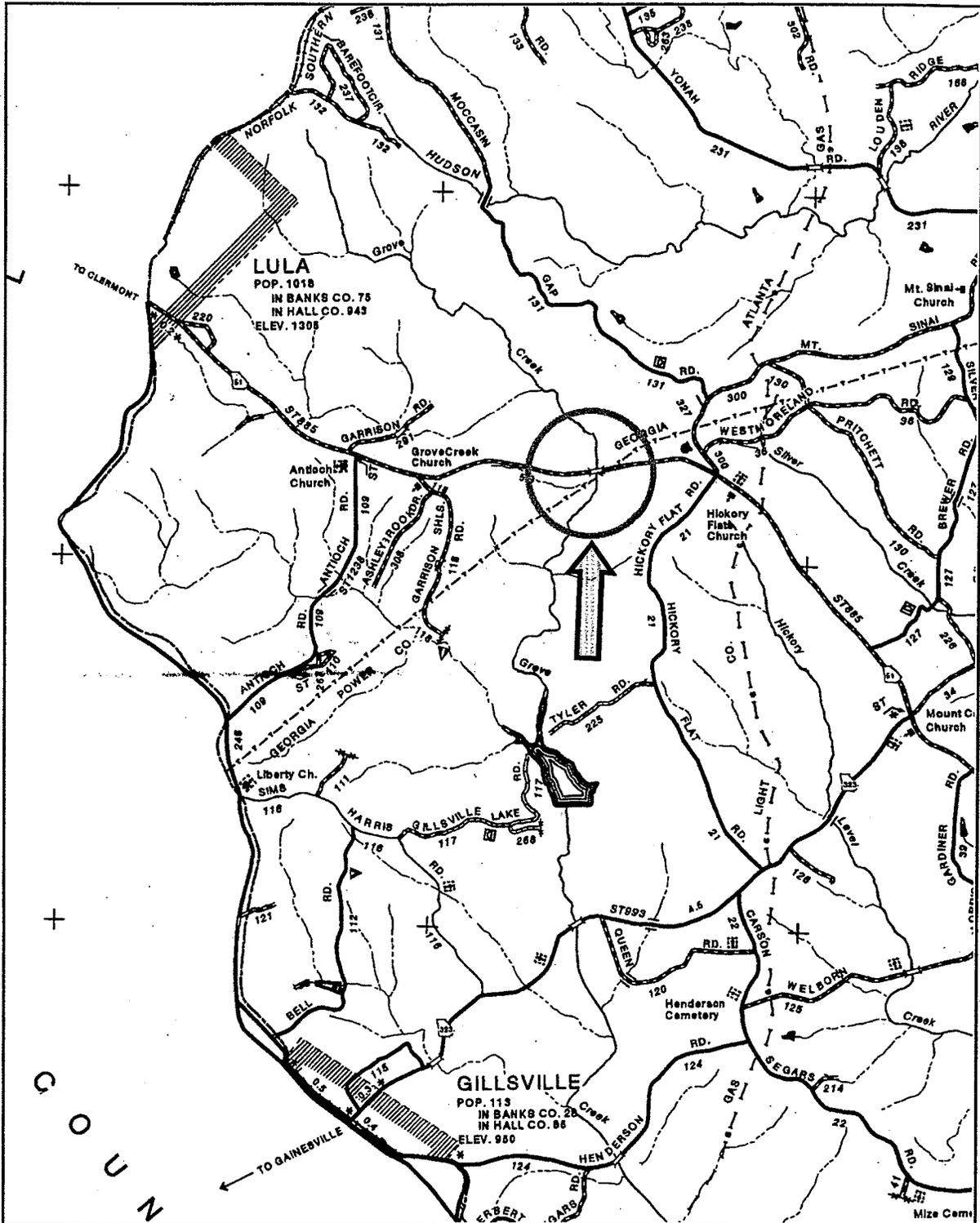
Current Year: 2004 (2700) Design Year: 2024 (4900)

Proposed features to be revised: It is recommended to shift the existing roadway alignment on a permanent alignment located approximately 18 feet to the south at the bridge location and construct the new double, triple 10' X 9' concrete bridge culvert centered about the proposed alignment. This will allow the new structure to be constructed without acquiring additional right-of-way from the identified archaeological site located on the north side of the existing roadway.

Describe the revised feature(s) to be approved: The proposed shifted alignment would shorten the approved project length by approximately 1100 feet. The new project length is 0.34 miles. A portion of the proposed culvert will be constructed to the south sufficient enough to provide an on-site run-a round detour. Traffic will be shifted to the detour alignment and the culvert completed to the north. The shifted alignment with the proposed Double + Triple 10 foot X 9 foot concrete bridge culvert will produce a saving of \$ 340,288 in the project construction cost, and will eliminate impacts to the archeology site located to the north side of the existing bridge.

Updated traffic data (AADT):

Current Year 2004 (2700) Design Year: 2024 (4900)



Location Map

Project: BRST-0885(3) Banks County PI No.: 142265-
 Description: SR 51 @ Grove Creek 7 mi W of Homer

Programmed/Schedule:

P.E. 10-99 R/W: 2002 Construction: 2003

Revised cost estimates:

1. Construction cost including inflation and E&C,
2. Right-of-way, and
3. Utilities

Is the project located in a Non-attainment area? _Yes X No.

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

Attachments:

1. Sketch Map,
2. Cost Estimate,

- **Exempt projects**

Concur: Thomas L. Johnson
Director of Preconstruction

Approve: John L. Daulton
Chief Engineer

PRELIMINARY COST ESTIMATE

DATE: January 16, 2002 PREPARED BY: Parsons Brinckerhoff

PROJECT NO.: BRST-0885(3)

P.I. NO.: 142265

LENGTH: 0.34 miles

PROJECT DESCRIPTION: SR 51 over Grove Creek bridge replacement - Proposed bridge culvert (A double and a triple 10'X 9'- 66 feet long).

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

EXISTING ROADWAY: State Route 51

TRAFFIC: Existing: 2700 ADT (2004) Design: 4900 ADT (2024)

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

PROJECT COST	
A. RIGHT-OF-WAY:	
1. PROPERTY (R/W & EASEMENT)	\$ 37,900
2. DISPLACEMENTS: NONE	\$ 0
3. OTHER COST (ADM./COST, INFLATION)	\$ 0
SUBTOTAL:A	\$ 37,900
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$ 0
2. TRANSMISSION LINES	\$ 0
3. SERVICES (Banks County signed LGPA-7-16-99)	\$
SUBTOTAL:B	\$
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	
a. OVERPASSES –	\$
b. APPROACH SLAB –	\$
SUBTOTAL:C-1	\$
2. GRADING AND DRAINAGE:	
a. EARTHWORK – 30,000 CY Borrow @ \$5.00/CY	\$ 150,000
b. DRAINAGE:	
1) CROSS DRAIN PIPE	\$

ESTIMATE SUMMARY

ESTIMATE SUMMARY		
A. RIGHT-OF-WAY	\$ 37,900	
B. REIMBURSABLE UTILITIES (Banks Co. signed LGPA 7-16-99)	\$	
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$	
2. GRADING AND DRAINAGE	\$ 363,233	
3. BASE AND PAVING	\$ 145,310	
4. LUMP ITEMS	\$ 40,150	
5. MISCELLANEOUS	\$ 41,800	
6. SPECIAL FEATURES	\$ 190,000	
SUBTOTAL CONSTRUCTION COST		\$ 780,493
INFLATION (5% PER YEAR)		\$ 80,000
NUMBER OF YEARS	2	
E.&C. (10%)		\$ 86,049
TOTAL CONSTRUCTION COST		\$ 946,542
GRAND TOTAL PROJECT COST		\$ 984,442