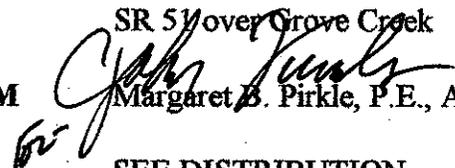


D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0885(3) Banks County **OFFICE** Preconstruction
P. I. No. 142265
SR 57 over Grove Creek **DATE** May 6, 2004
FROM  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction
TO *for* SEE DISTRIBUTION

SUBJECT REVISED PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

David Mulling
Harvey Keeper
Jerry Hobbs
Jamie Simpson
Michael Henry
Phillip Allen
Joe Palladi (file copy)
Brent Story
Todd Long
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

RECEIVED
APR 13 2004
OFFICE OF PLANNING

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRST-0885(3), Banks County
P.I. No. 142265
S.R. 51 Over Grove Creek

OFFICE : Consultant Design
DATE: April 12, 2004

FROM: ^{BRST} Brent Story, P.E., State Consultant Design Engineer

TO: Meg Pirkle, P.E., 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 revise the Functional Classification of the project to a Rural Major Collector as shown in the GDOT Road Inventory System. This does not affect the proposed vertical design of the project and does not require a change to the project cost.

The proposed project will replace the existing bridge with 88 feet of a double-triple (five barrels) 10' x 9' reinforced concrete bridge culvert. The new structure will have two 12 foot travel lanes plus two 10 foot shoulders. Project traffic for the year 2024 is projected to be 4,900, yielding a level of service C.

The Functional Classification in the approved Concept Report indicated that S.R. 51 is classified as a Rural Minor Arterial. It has been determined, based on the GDOT Road Inventory System, that S.R. 51 is classified as a Rural Major Collector. These different roadway classifications affect this project with regards to the vertical grades greater than 7% at the tie-in points to the existing roadway. The vertical design criteria shown in the AASHTO Design Guide indicates:

Rural Major Collector – for 55 mph, maximum grade is 9% in mountainous terrain

Rural Minor Arterial – for 55 mph, maximum grade is 6% in mountainous terrain

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

DATE 4/20/04


State Transportation Planning Administrator

Distribution:

- David Mulling, Project Review Engineer
- Harvey Keepler, State Environmental/Location Engineer
- Carla Holmes, State Traffic Operations Engineer
- ~~Joe Pallad~~ State Transportation Planning Administrator
- Percy Middlebrooks, Office of Financial Management Administrator
- Todd Long, District 1 Engineer
- Paul Liles, State Bridge Design Engineer

ROUTING		
<input checked="" type="checkbox"/>	Carla	<input checked="" type="checkbox"/> <u>JOE</u>
<input checked="" type="checkbox"/>	Tilisses	<input checked="" type="checkbox"/> <u>Harvey</u>
<input checked="" type="checkbox"/>	Michelle	<input checked="" type="checkbox"/> <u>Meg</u>
<input type="checkbox"/>		<input type="checkbox"/>

April 12, 2004

State of Georgia
Department Of Transportation

**BRST-0885(3) BANKS COUNTY
P.I. 142265
REVISED PROJECT CONCEPT REPORT**

Need and Purpose: The purpose of this project is to replace the SR 51 bridge over Grove Creek. The project is located 7.0 miles west 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 0.55 miles.

The bridge over Grove Creek was originally constructed in 1949. The existing two lane bridge is 22.9 feet wide and 81 feet long. SR 51 has a speed limit of 55 MPH. The bridge has a sufficiency rating 45.1 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 31 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 2,700 VPD. SR 51 along this section currently operates at level of service A.

The proposed project will be to replace the existing bridge with 88 feet of a double-triple (five barrels) 10' x 9' reinforced concrete bridge culvert. The new structure will have two 12 foot travel lanes plus two 10 foot shoulders. The additional width will improve the safety of this facility. Project traffic for the year 2024 is projected to be 4,900, yielding a level of service C.

Project location: Project BRST-0885(3) is a bridge replacement on SR 51 over Grove Creek in Banks County, seven miles west of Homer, Georgia. The project termini will be at approximately milepost 3.03 on the west and milepost 3.51 on the east of the existing bridge. The project length is 0.483 miles.

Description of the approved concept:

PDP Classification: Major _____ Minor X

Federal Oversight: Full Oversight (), Exempt(X), State Funded(), or Other ()

Functional Classification: Rural Minor Arterial

U. S. Route Number(s): N/A

State Route Number(s): 51

Traffic (AADT) as shown in the approved concept:

Current Year: 2004-2700ADT Design Year: 2024-4900ADT

Proposed features to be revised: The Functional Classification in the approved Concept Report indicated that S.R. 51 is classified as a Rural Minor Arterial. It has been determined, based on the GDOT Road Inventory System, that S.R. 51 is classified as a Rural Major Collector. These different roadway classifications affect this project with regards to the vertical grades at the tie-in points to the existing roadway. The vertical design criteria shown in the AASHTO Design Guide indicates:

- Rural Major Collector – for 55 mph, maximum grade 9% in mountainous terrain
- Rural Minor Arterial – for 55 mph, maximum grade 6% in mountainous terrain

Describe the revised feature(s) to be approved: It is recommended to revise the Functional Classification of the project to a Rural Major Collector as shown in the GDOT Road Inventory System. This does not affect the proposed vertical design of the project and does not require a change to the project cost.

Updated traffic data (AADT):

Current Year: 2004-2700ADT Design Year: 2024-4900ADT

Programmed/Schedule:

P.E. 2000 R/W: 2003 Construction: 2004

Revised cost estimates:

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

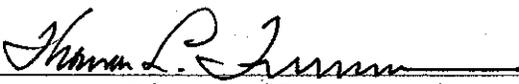
Is the project located in a Non-attainment area? Yes No.

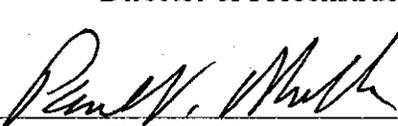
Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Attachments:

1. Sketch Map,
2. Cost Estimate,
3. Other supporting documents.

Exempt projects

Concur: 
Director of Preconstruction

Approve: 
Chief Engineer

Estimate Report for file "142265"

Section Signing and Marking					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	22.00	SF	15.04	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	330.88
636-1031	54.00	SF	17.36	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	937.43
636-2070	103.00	LF	6.87	GALV STEEL POSTS, TP 7	707.61
636-2090	45.00	LF	6.93	GALV STEEL POSTS, TP 9	311.84
652-5451	5984.00	LF	0.12	SOLID TRAFFIC STRIPE, 5 IN, WHITE	718.07
652-5452	2868.00	LF	0.13	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	372.84
652-6501	886.00	GLF	0.12	SKIP TRAFFIC STRIPE, 5 IN, WHITE	106.32
652-6502	2350.00	GLF	0.11	SKIP TRAFFIC STRIPE, 5 IN, YELLOW	258.5
653-0120	2.00	EA	58.01	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	116.02
653-1704	14.00	LF	3.65	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	51.1
654-1001	64.00	EA	3.42	RAISED PVMT MARKERS TP 1	218.88
Section Sub Total:					\$4,129.52

Section Bridge Culvert					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	1174.00	CY	35.42	FOUND BK FILL MATL, TP II	41583.08
500-3101	638.00	CY	390.04	CLASS A CONCRETE	248845.52
511-1000	67000.00	LB	0.52	BAR REINF STEEL	34840.0
Section Sub Total:					\$325,268.60

Section Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	2.00	AC	437.89	TEMPORARY GRASSING	875.78
163-0240	200.00	TN	218.60	MULCH	43720.0
163-0300	6.00	EA	1069.68	CONSTRUCTION EXIT	6418.08
163-0520	200.00	LF	10.53	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	2106.0
163-0530	1400.00	LF	1.89	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	2646.0
163-0531	1.00	EA	5797.05	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO -125+00 LT	5797.05
165-0010	200.00	LF	1.06	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	212.0
165-0030	1500.00	LF	1.29	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	1935.0
165-0060	1.00	EA	898.40	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO -	898.4
165-0070	100.00	LF	1.17	MAINTENANCE OF BALED STRAW EROSION CHECK	117.0
165-0101	6.00	EA	331.33	MAINTENANCE OF CONSTRUCTION EXIT	1987.98
167-1000	2.00	EA	3625.03	WATER QUALITY MONITORING AND SAMPLING	7250.06
167-1500	12.00	MO	1000.00	WATER QUALITY INSPECTIONS	12000.0
170-1000	250.00	LF	10.40	FLOATING SILT RETENTION BARRIER	2600.0
171-0010	400.00	LF	1.78	TEMPORARY SILT FENCE, TYPE A	712.0
171-0030	3000.00	LF	3.05	TEMPORARY SILT FENCE, TYPE C	9150.0
700-6910	4.00	AC	747.41	PERMANENT GRASSING	2989.64
700-7000	5.00	TN	51.24	AGRICULTURAL LIME	256.2
700-7010	11.00	GL	18.45	LIQUID LIME	202.95
700-8000	4.00	TN	236.08	FERTILIZER MIXED GRADE	944.32
700-8100	188.00	LB	1.36	FERTILIZER NITROGEN CONTENT	255.68
715-2200	900.00	SY	2.10	BITUMINOUS TREATED ROVING, WATERWAYS	1890.0
716-2000	9000.00	SY	1.14	EROSION CONTROL MATS, SLOPES	10260.0
Section Sub Total:					\$115,224.14

Section 310					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1.00	LS	40000.00	TRAFFIC CONTROL -BRST -0885(3)	40000.0

150-5000	40.00	EA	456.66	TRAFFIC CONTROL, TEMPORARY SAND LOADED ATTENUATOR MODULE	18266.4
210-0100	1.00	LS	150000.00	GRADING COMPLETE -BRST-0885(3)	150000.0
310-1101	4623.00	TN	13.39	GR AGGR BASE CRS, INCL MATL	61901.97
318-3000	100.00	TN	15.81	AGGR SURF CRS	1581.0
402-1812	105.00	TN	35.95	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	3774.75
402-3121	1249.00	TN	34.52	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	43115.48
402-3130	1166.00	TN	35.04	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	40856.64
402-3190	1049.00	TN	36.22	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	37994.78
413-1000	1026.00	GL	0.87	BITUM TACK COAT	892.62
432-5010	100.00	SY	1.65	MILL ASPH CONC PVMT, VARIABLE DEPTH	165.0
446-1002	400.00	LF	2.43	PVMT REINF FABRIC STRIPS, TP 2, INCL BITUM BINDER	972.00
540-1101	1.00	LS	75506.71	REMOVAL OF EXISTING BR, STA NO -119+50	75506.71
600-0001	2.00	CY	117.95	FLOWABLE FILL	235.9
622-1033	1500.00	LF	25.89	PRECAST CONCRETE MEDIAN BARRIER, METHOD 3	38835.0
634-1200	41.00	EA	79.20	RIGHT OF WAY MARKERS	3247.20
641-1200	1172.00	LF	9.01	GUARDRAIL, TP W	10559.72
641-5001	3.00	EA	401.55	GUARDRAIL ANCHORAGE, TP 1	1204.65
641-5012	3.00	EA	1263.63	GUARDRAIL ANCHORAGE, TP 12	3790.89
643-0010	870.00	LF	3.42	FIELD FENCE WOVEN WIRE	2975.4
643-0103	202.00	LF	5.00	FIELD FENCE BARBED WIRE, 3 STRANDS	1010.0
643-8040	2.00	EA	211.39	GATE, WOVEN WIRE - 12FT	422.78
Section Sub Total:					\$537,308.89

Section Drainage					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
550-1241	100.00	LF	29.56	STORM DRAIN PIPE, 24 IN, H 10-15	2956.0
550-2180	228.00	LF	21.02	SIDE DRAIN PIPE, 18 IN, H 1-10	4792.55
550-2240	92.00	LF	27.84	SIDE DRAIN PIPE, 24 IN, H 1-10	2561.28
550-2241	84.00	LF	1.00	STORM DRAIN PIPE, 24 IN, H 10-15	84.0
550-3618	10.00	EA	474.63	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	4746.3
550-4118	4.00	EA	287.90	FLARED END SECTION 18 IN, SIDE DRAIN	1151.6
550-4124	4.00	EA	312.59	FLARED END SECTION 24 IN, SIDE DRAIN	1250.36
550-4224	2.00	EA	453.82	FLARED END SECTION 24 IN, STORM DRAIN	907.64
603-2024	1200.00	SY	39.26	STN DUMPED RIP RAP, TP 1, 24 IN	47112.0
603-2180	1600.00	SY	27.61	STN DUMPED RIP RAP, TP 3, 12 IN	44176.0
603-7000	2800.00	SY	3.11	PLASTIC FILTER FABRIC	8708.0
Section Sub Total:					\$118,445.74

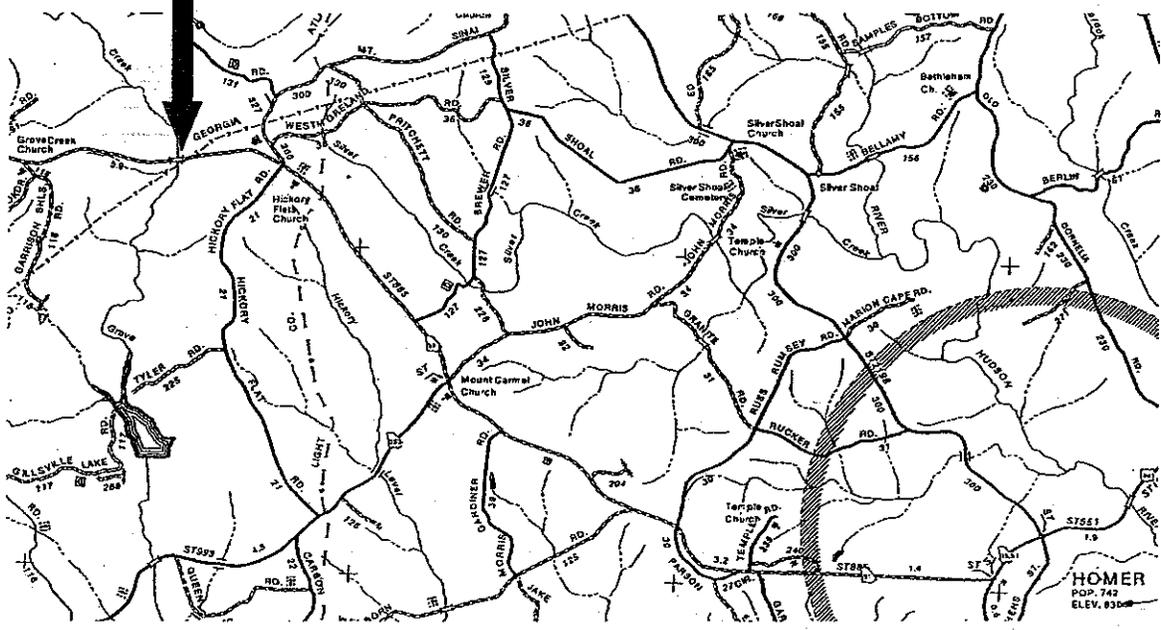
Total Estimated Cost: \$1,100,376.89

PROJECT LOCATION MAP

DATE: April 7, 2004



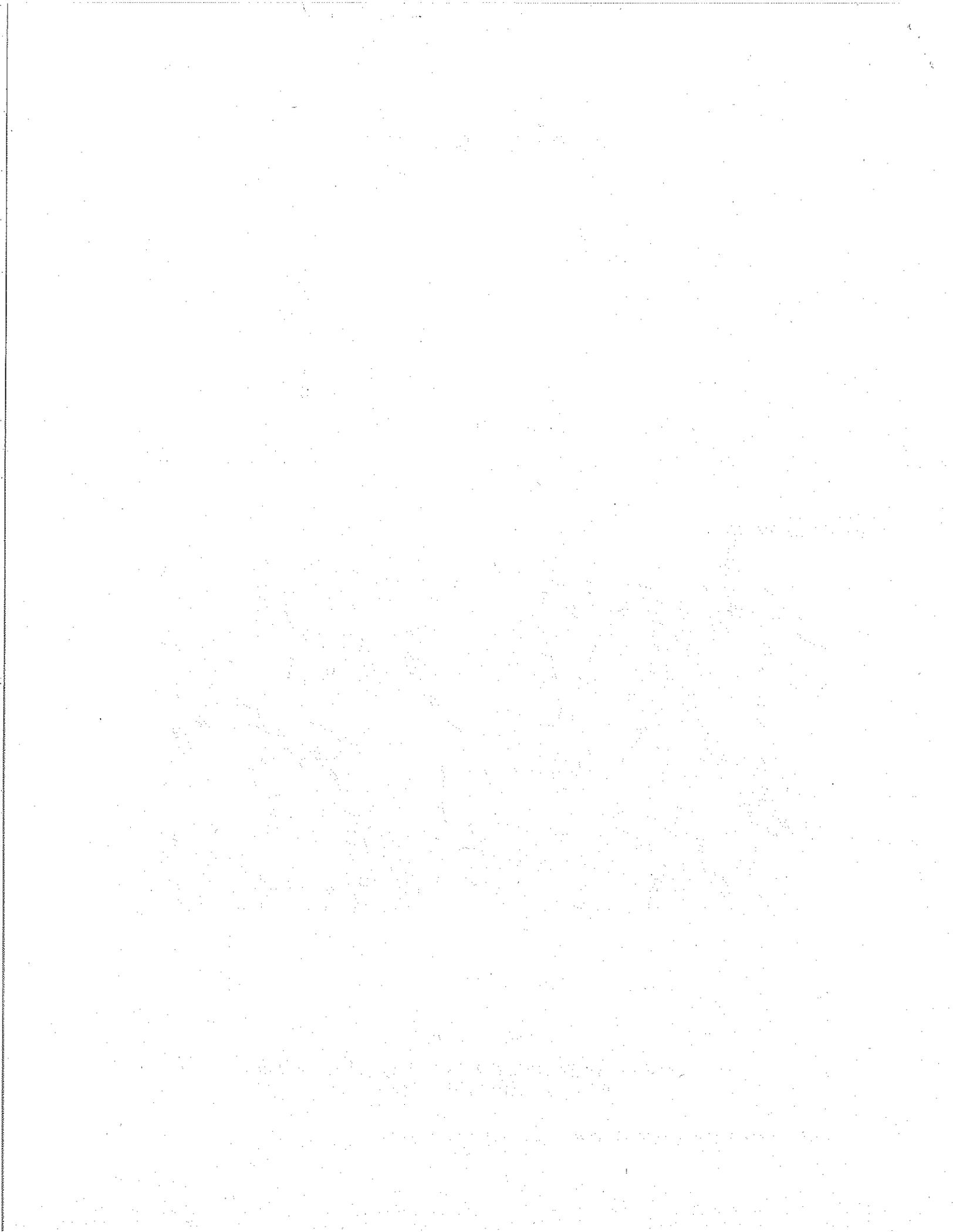
PROJECT



Location Map

Project: BRST-0885(3) Banks County PI No.: 142265

Description: SR 51 over Grove Creek



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
CWHutto **DATE** January 17, 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
Jim Kennerly

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0885(3) Banks County **OFFICE** Preconstruction
P.I. No. 142265 **DATE** December 5, 2000

Thomas L. Turner
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 51 over Grove Creek, 7.0 miles west of Homer, Georgia. The existing bridge, constructed in 1949, is load limited with a sufficiency rating of 45. State Route 51 at this location is a rural two lane roadway (23' wide) with rural shoulders. Traffic is projected to be 2,700 VPD and 4,900 VPD in the years 2004 and 2024 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to construct a new 81' x 44' concrete bridge over Grove Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 10' rural shoulders (4' paved). Traffic will be detoured via an on-site drainage structure and temporary detour road constructed parallel and north of the existing bridge.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; a public hearing is not required; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$1,285,000	\$348,000	2003	02-07
Right-of-Way	\$ 38,000	\$ 10,000		
Utilities*	LGPA	LGPA		

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

J. Tom Coleman, Jr.

Page 2

BRST-0885(3) Banks

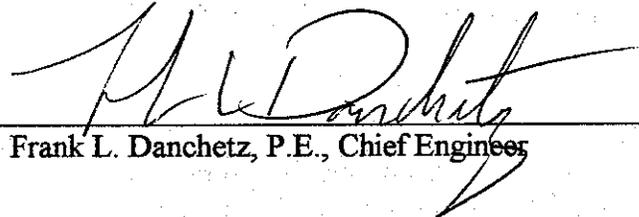
December 5, 2000

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

TLT:JDQ/cj

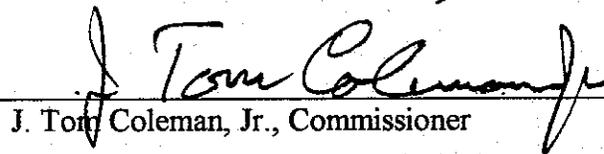
Attachment

CONCUR



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

APPROVE



J. Tom Coleman, Jr., Commissioner

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRST-0885(3) Banks
P.I. Number 142265-

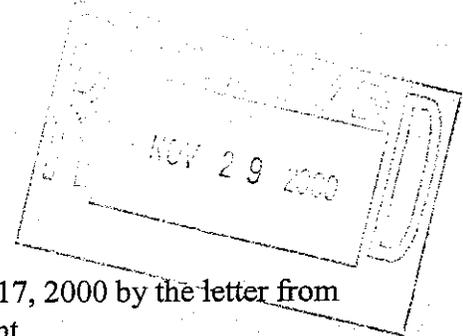
OFFICE: Atlanta, Georgia

DATE: November 28, 2000

FROM: David Mulling, Project Review Engineer *DTM*

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT



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	\$1,062,000
Inflation	\$ 106,000
E&C	\$ 117,000
Reimbursable Utilities	\$ 0
Right of Way	\$ 38,000

DTM

c: Ted Cashin – Consultant Design Office

- 1 -
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-0885(3)

County: Banks

P. I. Number: 142265

DESCRIPTION: SR 51 over Grove Creek 7 Miles W. of Homer

Federal Route Number: N/A

State Route Number: 51

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

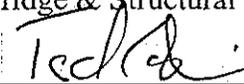
Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

Date



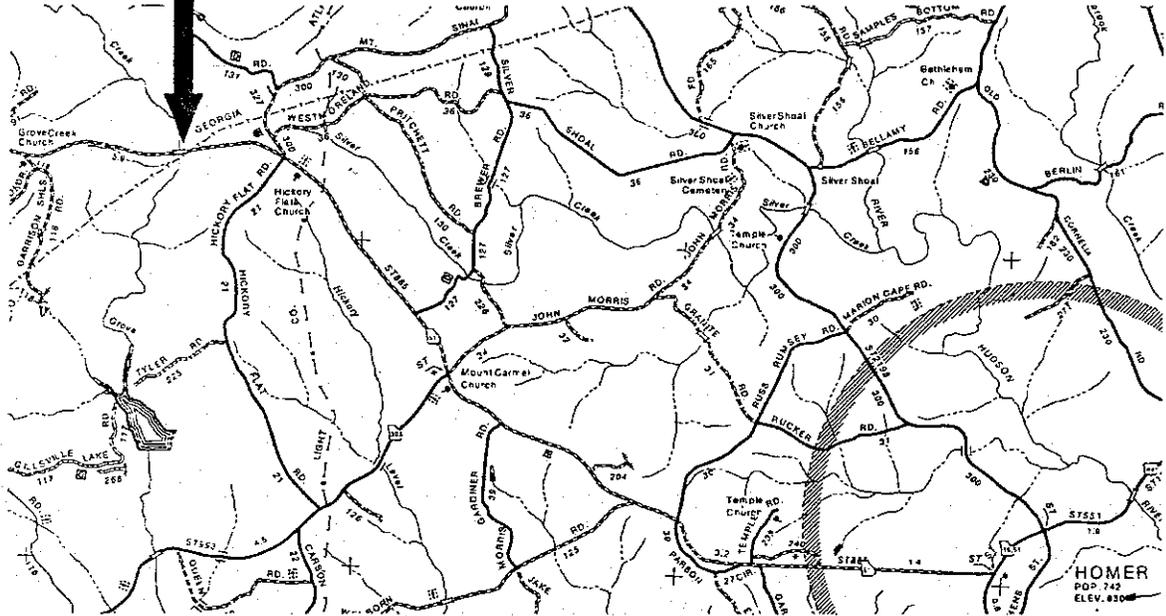
Project Manager- Ted Cashin

PROJECT LOCATION MAP

DATE: November 13, 2000



PROJECT



Location Map

Project: BRST-0885(3) Banks County PI No.: 142265

Description: SR 51 over Grove Creek

PROJECT CONCEPT REPORT

DATE: November 13, 2000

PROJECT NUMBER: BRST-0885(3)

COUNTY: Banks

DESCRIPTION: Bridge Replacement

LENGTH: The total length of this project is approximately 2925 Ft. (0.55 Miles)

P.I. NO.: 142265

U.S. ROUTE NO.: N/A STATE RT. NO.: 51

LOCATION: SR 51 at Grove Creek , 7 Miles W. of Homer

MILE POINT REFERENCE:

BEGIN N/A END N/A

TRAFFIC

CURRENT	PROJECTED
YEAR: <u>2004</u> AADT: <u>2700</u>	YEAR: <u>2024</u> AADT: <u>4900</u>
<u>24 Hr. T=7%</u>	

PDP CLASSIFICATION	FUNCTION CLASSIFICATION
<u>Minor</u>	<u>Rural Minor Arterial</u>

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

EXISTING DESIGN

TYPICAL SECTION: 2 lane rural 23 foot roadway, existing R/W width varies

POSTED SPEED 55 MI/HR MAX. DEGREE OF CURVE 2 deg.

MAX. EXISTING GRADE 0.0 %

EXISTING MAJOR STRUCTURES: 3 spans approximately 27 feet long

FEATURE INTERSECTED: Grove Creek

S. RTG: 45.1 LENGTH: 81 feet WIDTH: 22.9 feet

PROJECT NEED & PURPOSE: The purpose of project BRST-0885(3) is to replace a structurally deficient bridge on SR 51 over Grove Creek. The existing bridge's sufficiency rating is currently 45.1. 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: 0 deg.

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

TYPE ACCESS: Permit

TRAFFIC CONTROL DURING

CONSTRUCTION: The traffic will be maintained during the replacement of existing bridge by the construction of a temporary detour and detour structure over Grove Creek located to the north of the existing bridge.

PROPOSED STRUCTURES: The proposed bridge will be 44'-0" wide, consisting of two 12'-0" travel lanes, and 10'-0" shoulders. The bridge is proposed to be 81' long.

DESIGN EXCEPTIONS REQUIRED

<u>CONTROLLING CRITERIA</u>	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
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: None

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: LGPA signed by Banks Co.7-16-99(utilities)

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: (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 (4) was eliminated due to a long realignment to build proposed bridge at 45 feet offset and parallel. Alternate (5) was eliminated due to long term maintenance cost of structurally deficient bridge. Alternate (1) 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-0885(3)

P.I. NO.: 142265

LENGTH:

PROJECT DESCRIPTION: SR 51 over Grove Creek bridge replacement - Proposed bridge length of 81 ft and 44'-0" wide.

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

PROJECT COST	
A. RIGHT-OF-WAY:	
1. PROPERTY (R/W & EASEMENT)	\$37,900
2. DISPLACEMENTS: NONE	\$
3. OTHER COST (ADM./COST, INFLATION)	\$
SUBTOTAL:A	\$37,900
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$ 0
2. TRANSMISSION LINES	\$ 0
3. SERVICES	\$
SUBTOTAL:B	\$
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	
a. OVERPASSES – Bridge over Grove Creek (44’x81’)@\$75/Sq Ft	\$ 267,300
b. APPROACH SLAB – 267 SY @ \$90/SY, 2 spillways @ \$1200 ea	\$ 26,430
SUBTOTAL:C-1	\$ 293,730
2. GRADING AND DRAINAGE:	
a. EARTHWORK – 30,000 CY Borrow @ \$5.00/CY	\$ 150,000

PROJECT COST		
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 - 4594 TN @ \$18/TN		\$ 82,692
b. ASPHALT PAVING: SURFACE - 632 TN @ \$40/TN	\$ 25,280	
BINDER - 863 TN @ \$40/TN	\$ 34,520	
BASE - 1306 TN @ \$40/TN	\$ 52,240	
SUBTOTAL:C-3.b		\$ 112,040
c. CONCRETE PAVING		\$
d. OTHER - Bitum. Tack Coat 1310 Gal @ \$1.00/Gal		\$ 1310
SUBTOTAL:C-3		\$ 196,042
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 2000 LF @ \$15/LF, 4 each Type 12 Anch @ \$1700 ea		\$ 36,800
d. CURB & GUTTER - NONE		
SUBTOTAL:C-5		\$ 41,800

PROJECT COST

6. SPECIAL FEATURES – Rem. Exist. Bridge \$50,000, Field Eng. Office Ty 2 \$40,000 Construct and remove onsite detour, including detour bridge structure(\$250,000.00) SUBTOTAL:C-6	\$340,000
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ESTIMATE SUMMARY

A. RIGHT-OF-WAY		\$ 37,900
B. REIMBURSABLE UTILITIES		\$
C. CONSTRUCTION		
1. MAJOR STRUCTURES		\$ 293,730
2. GRADING AND DRAINAGE		\$ 150,000
3. BASE AND PAVING		\$ 196,042
4. LUMP ITEMS		\$ 40,150
5. MISCELLANEOUS		\$ 41,800
6. SPECIAL FEATURES		\$ 340,000
SUBTOTAL CONSTRUCTION COST		\$ 1,061,722
E. & C. (10%)		\$ 106,173
INFLATION (5% PER YEAR)		\$ 116,790
NUMBER OF YEARS	2	
TOTAL CONSTRUCTION COST		\$ 1,284,685
GRAND TOTAL PROJECT COST		\$ 1,322,585

11

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. BRST-0885(3)

P.I. No. 142265

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. 51 over Grove Creek, located in Banks County, GMD 912. The improvement project includes replacing the existing bridge over Grove Creek.

Date of Location Approval: _____

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 be referenced to:

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

Need and Purpose Statement**BANKS COUNTY****BRST-0885(3)****P.I. 142265**

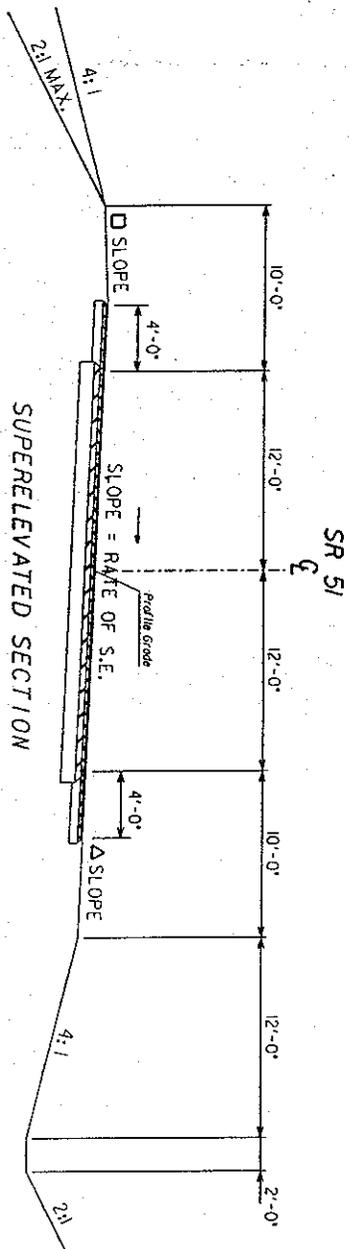
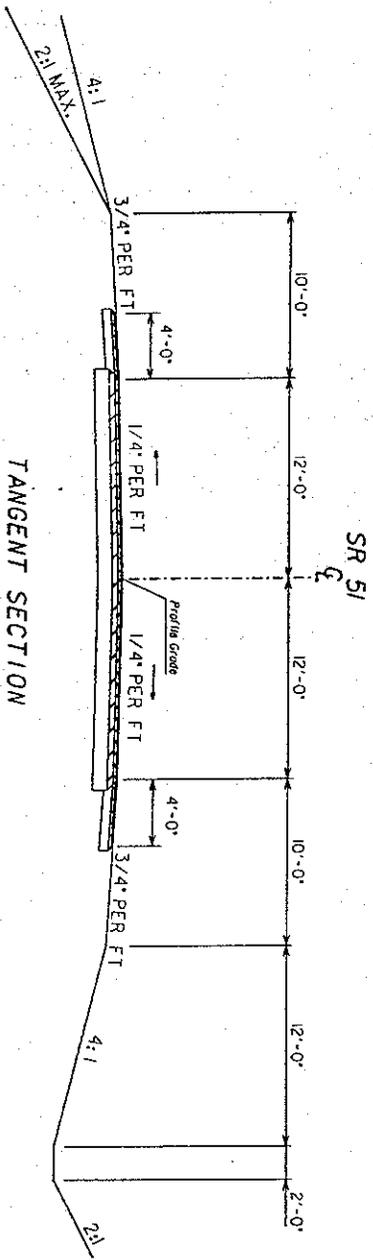
The purpose of this project is to replace the SR 51 bridge over Grove Creek. The project is located 7.0 miles west of the City of Homer and consists of the replacement of the bridge and the reconstruction of the approaches for a total distance of approximately 0.55 miles.

The Bridge over was originally constructed in 1949. The existing two lane bridge is 22.9 feet wide and 81 feet long. SR 51 has a speed limit of 55 MPH. The bridge has a sufficiency rating 45.1 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 31 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 2,700 VPD. SR 51 along this section currently operates at level of service A.

The proposed project will be to replace the exiting bridge with a structure 44 feet wide. The new structure will have two 12 foot travel lanes plus two 10 foot shoulders. The additional width will improve the safety of this facility. Project traffic for the year 2024 is projected to be 4,900, yielding a level of service C.

TYPICAL SECTIONS

S. R. 51



STATE	PROJECT NUMBER	DATE
GA	BRST-0805131	5/15

THE LPA GROUP
TRANSPORTATION CONSULTANTS

5255 TRIANGLE PARKWAY, SUITE 100
NORCROSS, GEORGIA 30092
770.263.588

100 YEARS

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 011-0007-0

Banks County

SUFF. RATING: 45.1

Location & Geography

Signs & Attachments

<p>* Structure I.D. No.: 011-0007-0</p> <p>200 Bridge Information: 06</p> <p>* 6A. Frealure Int.: GROVE CREEK</p> <p>* 6B. Critical Bridge: 0</p> <p>* 7A. Route Number Carried: SR00051</p> <p>* 7B. Facility Carried: SR 51</p> <p>* 9 Location: 7 MI WEST OF HOMER</p> <p>2 DOT District: 1</p> <p>207 Year Photo: 1999</p> <p>1 Inspection Frequency: 24 Date: 12/19/1999</p> <p>24A. Fract Crit Insp Freq: 0 00 Date: 0000</p> <p>92B. Underwater Insp Freq: 0 00 Date: 0000</p> <p>92C. Other Spc. Insp Freq: 0 00 Date: 0000</p> <p>* 4 Place Code: 00000</p> <p>* 5 Inventory Route (O/U): 1</p> <p style="padding-left: 20px;">Type: 3</p> <p style="padding-left: 20px;">Designator: 1</p> <p style="padding-left: 20px;">Number: 00051</p> <p style="padding-left: 20px;">Direction: 0</p> <p>* 16. Latitude: 34-22.3</p> <p>* 17. Longitude: 83 -36.7</p> <p>98 Border Bridge: 000 %Shared: 00</p> <p>99 ID Number: 0000000000000000</p> <p>* 100 Defense Highway: 0</p> <p>* 101 Parallel Structure: N</p> <p>* 102 Direction of Traffic: 2</p> <p>264 Road Inventory Mile Post: 003.25</p> <p>* 208 Inspection Area: 01 Initials: GMC</p> <p>* Location I.D. No: 011-00051D-003.25E</p> <p>* XReferen I.D. No: 000-0000000-000.000</p>	<p>* 104 Highway System: 0</p> <p>* 26 Functional Classification: 07</p> <p>* 204 Federal Route Type: S No: 00885</p> <p>* 110 Truck Route: 0</p> <p>206 School Bus Route: 1</p> <p>217 Benchmark Elevation: 0.00</p> <p>218 Datum: 0</p> <p>* 19 Bypass Length: 3</p> <p>* 20 Toll: 3</p> <p>* 21 Maintenance: 01</p> <p>* 22 Owner: 01</p> <p>* 31 Design Load: 1</p> <p>37 Historical Significance: 5</p> <p>205 Congressional District: 11</p> <p>* 27 Year Constructed: 1949</p> <p>106 Year Reconstructed: 0000</p> <p>33 Bridge Median: 0</p> <p>34 Skew: 00</p> <p>35 Structure Flared: 0</p> <p>38 Navigation Control: 0</p> <p>213 Special Steel Design: 0</p> <p>267 Type of Paint: 2</p> <p>* 42 Type Service On: 1</p> <p style="padding-left: 20px;">Under: 5</p> <p>214 Movable Bridge: 00</p> <p>203 Type Bridge: E-N-M-O</p> <p>259 Pile Encasement: 1</p> <p>* 43 Structure Type Main: 4 02</p> <p>45 No. Spans Main: 002</p> <p>44 Structure Type Appr: 3 3</p> <p>46 No. Spans Appr: 0001</p> <p>226 Bridge Curve Horiz: 0 Vert: 0</p> <p>111 Pier Protection: 0</p> <p>107 Deck Structure Type: 1</p> <p>108 Wearing Surface Type: 6</p> <p style="padding-left: 20px;">Membrane: 0</p> <p style="padding-left: 20px;">Protection: 8</p> <p>223 Expansion Joint Type: 02</p> <p>242 Deck Drains: 1</p> <p>243 Paraper Location: 0</p> <p style="padding-left: 20px;">Height: 0</p> <p style="padding-left: 20px;">Width: 0</p> <p>238 Curt: 1.01</p> <p>239 Handrail: 22</p> <p>* 240 Median Barrier Rail: 0</p> <p>241 Bridge Median Height: 0</p> <p style="padding-left: 20px;">Width: 0</p> <p>* 230 Guardrail Loc Dir Rear: 6</p> <p style="padding-left: 20px;">Fwrd: 6</p> <p style="padding-left: 20px;">Oppo Dir Rear: 0</p> <p style="padding-left: 20px;">Fwrd: 0</p> <p>244 Approach Slab: 0</p> <p>224 Retaining Wall: 0</p> <p>233 Posted Speed Limit: 55</p> <p>236 Warning Sign: 1</p> <p>234 Delineator: 1</p> <p>235 Hazard Boards: 1</p> <p>237 Utilities Gas: 00</p> <p style="padding-left: 20px;">Water: 00</p> <p style="padding-left: 20px;">Electric: 00</p> <p style="padding-left: 20px;">Telephone: 00</p> <p style="padding-left: 20px;">Sewer: 00</p> <p>247 Lighting Street: 0</p> <p style="padding-left: 20px;">Navigation: 0</p> <p style="padding-left: 20px;">Aerial: 0</p> <p>* 248 County Continuity No: 00</p>
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BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 011-0007-0

Banks County

SUFF. RATING: 45.1

Programming Data

201 Project No: FAS 340 (1)
 202 Plans Available: 1
 249 Prop. Proj No: BRST-0885 (3)
 250 Approval Status: 0000
 251 P.I. No: 142265
 252 Contract Date: 02/01/2002
 260 Seismic No: 00000
 75 Type Work: 311
 94 Bridge Imp. Cost: \$119
 95 Roadway Imp. Cost: \$56
 96 Total Imp. Cost: \$206
 Imp. Length: 000292
 Yr Imp. Year: 1990
 114 Future ADT: 003000 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: 00000
 Area of Opening: 000000
 113 Scour Critical: 6
 216 Water Depth: 00.6 Br Height: 15.4
 222 Slope Protection: 6
 221 Spur Dikes Rear: 0 Fwd: 0
 219 Fender System: 0
 Dolphin:
 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

Measurements

* 29 ADT: 002000 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: 81
 51 Br. Rdwy. Width: 21.7
 52 Deck Width: 22.9
 * 47 Tot. Horz. Cl: 21.7
 50 Curb/Sdewik Width: 0.1/0.1
 32 Approach Rdwy Width: 023
 * 229 Shlder Width:
 Rear Lt: 4.4 Type: 8 R: 4.6
 Fwd Lt: 3.2 Type: 8 R: 4.5
 Pymnt Width:
 Rear: 23.6 Type: 2
 Fwd: 23.9 Type: 2
 Intersection Rear: 0 Fwd: 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"

Ratings

66 Inventory Type: 2 Rating: 13
 64 Operating Type: 2 Rating: 29
 231 Calculated Loads
 H-Modified: 15 1
 HS-Modified: 25 0
 Type 3: 26 1
 Type 3s2: 39 0
 Timber: 31 1
 Piggyback: 00 0
 261 H Inventory Rating: 10
 262 H Operating Rating: 15
 67 Structural Evaluation: 2
 58 Deck Condition: 7
 59 Superstructure Condition: 6
 * 227 Collision Damage: 0
 60A Substructure Condition: 6
 60B Scour Condition: 6
 60C Underwater Condition: N
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 6
 68 Deck Geometry: 2
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 7
 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: 26
 Type 3s2: 00
 Timber: 31
 Piggyback: 00
 253 Notification Date: 0000
 253 Fed Notify Date: 0000

* Location I.D. No: 011-00051D-003.25E
 * XReferen I.D. No: 000-000000-000.000

Report Date: 07/07/2000

011-20-00 10:40A LTA Group Atlanta

Project: Abby
Sent: Tuesday, October 06, 1998 8:39 AM
To: Chambers, Jimmy
Subject: Traffic Assignments for S.R. 51 @ Grove Creek.

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0885(3), Banks County **OFFICE** Environment/ Location
P.I. # 142265 **DATE** December 7, 1999

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

TO Jim Chambers, Office Of Consultant Management
Attn. Ted Cashin

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

- 2004 AADT = 2700
- 2024 AADT = 4900
- 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.

7-JUL-2000

P.I. NUMBER : 142265-

BANKS CO.

SCHED. LET: 20-03

DESCRIPTION : SR 51 @ GROVE CREEK 7 MI WEST OF HOMER
PROJECT NO. : BRST-0885(3)
P.E. PROJECT: BRST-0885(3)
PROJ. LENGTH: .21 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	PROGRAM ESTIMATES
CONCEPT PHOTOS			NO RPT	NO RPT	N/R		
DRAFT CONCEPT/RPT			NO RPT	NO RPT	0%		PE : \$5,000
CONCEPT MTG				NO RPT			R/W : \$10,000
SUB RPT TO ENG SERV				NO RPT			CNST: \$348,000
RECV ENG SERV APPRV				NO RPT			EST DATE: 4/15/99
MGMT APPRV REPORT			NO RPT	NO RPT	0%		LOC TAX N
ENVIRONMENTAL			1-Jul-2000	31-Dec-2000	0%		
HOLD HEARING				NO RPT			
MAPPING			NO RPT	NO RPT	N/R		STIP: Y
PHOTO X-SECTIONS			NO RPT	NO RPT	N/R		PE PROG DATE: 9910
FIELD SURVEYS			NO RPT	NO RPT	0%		R/W PROG DATE: 2001
FINAL ALT. APPROVAL				NO RPT			CST PROG DATE: 2002
& D APPROVAL			NO RPT	NO RPT	0%		
HOLD PREL. FPR				NO RPT			EXEMPT: Y
PREL RD/RW PLANS			NO RPT	NO RPT	0%		
APPROVE R/W PLANS			NO RPT	NO RPT	0%		R/W DATA
SECURE 404 PERMIT			NO RPT	NO RPT	0%		SCHED R/W AUTH: 20-03
PREL BRIDGE/HYDRAU			NO RPT	NO RPT	0%		ACT. R/W AUTH: 20-03
BRIDGE PLANS			NO RPT	NO RPT	0%		R/W ACQD. BY: DOT
RECV SOIL SURVEYS				NO RPT			# PARCELS: 0
J.S.T.'S			NO RPT	NO RPT	0%		# APPR. TO DATE: 0
HOLD FINAL FPR				NO RPT			# ACQD. TO DATE: 0
FINAL CST. PLANS			NO RPT	NO RPT	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 : 2-32 BRIDGE REQUIRED

UT :

RR :

LGPA: BANKS SGN DO UTILITIES 7-16-99.

>LOC : BRIDGE

>EIS : PRESTON - CONSULT TASK FORCE

>404 : CONSULTANT TASK FORCE-NW 23 EXPECTED

>UST :

>PITS:

>R/W :

BANKS CO.
P.I. NUMBER : 142265-



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.

A handwritten signature in black ink that reads "Roger A. Palmer". The signature is written in a cursive, flowing style.

Roger A. Palmer, P.E.
Project Manager

- 1 -
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-0885(3)

County: Banks

P. I. Number: 142265

DESCRIPTION: SR 51 over Grove Creek 7 Miles W. of Homer

Federal Route Number: N/A

State Route Number: 51

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. Telle Jr.
State Bridge & Structural Engineer

Date

Project Manager- Ted Cashin

- 1 -
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-0885(3)

County: Banks

P. I. Number: 142265

DESCRIPTION: SR 51 over Grove Creek 7 Miles W. of Homer

Federal Route Number: N/A

State Route Number: 51

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.

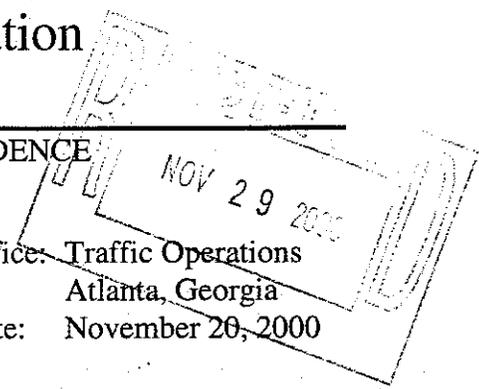
_____	_____
Date	State Transportation Planning Administrator
_____	_____
Date	State Transportation Programming Engineer
_____	_____
Date	State Environmental/Location Engineer
<u>11/22/00</u>	<u>Larry E. Denton</u>
Date	District Engineer / Gainesville
_____	_____
Date	Project Review Engineer
_____	_____
Date	State Traffic Operations Engineer
_____	_____
Date	State Bridge & Structural Engineer
_____	_____
Date	Project Manager- Ted Cashin

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRST-0885(3)/Banks County
P.I. No. 142265

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 51 over Grove Creek, located 7 miles west of Homer. The existing bridge is 29.7 feet in width with a sufficiency rating of 33.

SR 51 is a rural two lane roadway with a posted speed limit of 55mph. Traffic for the year 2004 is estimated at 2700vpd and design year, 2024, traffic estimate an increase to 4900vpd.

This project will construct a new structure on the same alignment as the existing structure. The proposed bridge will be 44 feet in width and this is in conformance with MOG 4265-10. Traffic will be maintained during the replacement, by construction of a temporary detour and detour structure located north of the existing bridge.

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, Gainesville
- Chuck Hasty, TMC
- General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-0885(3)

County: Banks

P. I. Number: 142265

DESCRIPTION: SR 51 over Grove Creek 7 Miles W. of Homer

Federal Route Number: N/A

State Route Number: 51

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



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-0885(3)

County: Banks

P. I. Number: 142265

DESCRIPTION: SR 51 over Grove Creek 7 Miles W. of Homer

Federal Route Number: N/A

State Route Number: 51

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 L. 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

- 1 -
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-0885(3)

County: Banks

P. I. Number: 142265

DESCRIPTION: SR 51 over Grove Creek 7 Miles W. of Homer

Federal Route Number: N/A

State Route Number: 51

County Road Number: N/A

Date of Report: November 13, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

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Date

State Transportation Planning Administrator

Date

State Transportation Programming Engineer

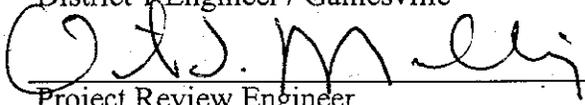
Date

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