ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0005533, Pulaski County
BR-0005-00(533)
SR 11/US 129 over Bluff Creek-
Bridge Replacement

OFFICE Preconstruction

DATE September 28, 2007

FROM Genetha Rice-Singleton, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT **APPROVED PROJECT CONCEPT REPORT**

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Thomas Howell
Paul Liles
Babs Abubakari
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0005533, Pulaski County
BR-0005-00(533)
S.R.11/U.S. 129 over Bluff Creek-
Bridge Replacement

OFFICE: Preconstruction

DATE: September 19, 2007

FROM: Genetha Rice-Singleton, Assistant Director of Preconstruction

TO: Gerald M. Ross, P.E. Chief Engineer

SUBJECT: ***PROJECT CONCEPT REPORT***

This project is the replacement of a structurally deficient bridge on S.R.11/U.S. 129 over Bluff Creek, 4.7 miles east of Finleyson, Georgia. The existing bridge, constructed in 1926, is a 230'x 23.9' concrete structure with a sufficiency rating of 38. State Route 11 at this location is a rural two lane roadway with 12' lanes and variable width grass shoulders. The posted speed is 55 MPH. State Route 11 is a north-south roadway classified as a rural minor arterial. The current year traffic (2003) along this section of S.R. 11/U.S. 129 is 1000 VPD. The design year (2032) volumes are projected to be 1700 VPD. The proposed speed design is 55 MPH.

The project proposes to relocate S.R. 11/U.S. 129 east of its present location, extending a total of 0.49 mile. The proposed new bridge will be 240' x 38' and located just east of the existing bridge structure. The proposed typical section of relocated S.R. 11/U.S. 129 will consist of two 12' lanes with 10' rural shoulders (2' paved). Traffic will be maintained on the existing bridge while the proposed bridge is constructed.

Environmental concerns include requiring a COE 404 permit; Categorical Exclusion will be prepared; a Public hearing is not required; Time saving procedures is appropriate.

The estimated costs for this project are:

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C)	$ 1,817,000	$ 1,825,000	L1C0	LR
Right-of-way	$ 450,000	$ 450,000	L1C0	2009
Utilities	$ 50,000			

P.I. No. 0005533, Pulaski County
September 19, 2007

* Pulaski signed for utilities 1-6-03/ Rescission letter sent to Pulaski 5-3-05

I recommend this project concept be approved.

GRS: JDQ

Attachment

CONCUR _____
Todd I. Long, P.E., Director of Preconstruction

APPROVED _____
Gerald M. Ross, P.E., Chief Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design
PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(533)

Counties: Pulaski
P. I. Number: 0005533

Federal Route Number: US129
State Route Number: SR11

Description: Replacement of SR 11 Bridge at Bluff Creek 4.7 miles East of Finleyson

Recommendation for approval:

DATE Aug 2, 2007 — Yun Tang
Project Manager

DATE Aug 2, 2007 — M. Babs Abubakari
Office Head/District Engineer

The 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 8/9/07 — Angela I. Alexander
State Transportation Planning Administrator

DATE _____
State Transportation Financial Management Administrator

DATE _____
State Environment/Location Engineer

DATE _____
State Traffic Safety and Design Engineer

DATE _____
District Engineer

DATE _____
Project Review Engineer

DATE _____
State Bridge Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: **P.I. No. 0005533** **OFFICE:** Environment/Location

DATE: August 8, 2007

FROM: Glenn Bowman, P.E., State Environmental/Location Engineer

TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT: **PROJECT CONCEPT REPORT**
BR-0005-00(533) / Pulaski County
S.R. 11 over Bluff Creek Bridge Replacement

The above subject concept report has been reviewed and considered satisfactory with the following comment: The bridge is listed as not eligible in the GHBS.

If you have any questions, please contact me at (404) 699-4401.

GB: lc

Attachment

cc: Brian Summers
Keith Golden
Babs Abubakari
Angela Alexander
Jamie Simpson
Thomas Howell
Paul Liles

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design
PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(533)

Counties: Pulaski
P. I. Number: 0005533

Federal Route Number: US129
State Route Number: SR11

Description: Replacement of SR 11 Bridge at Bluff Creek 4.7 miles East of Finleyson

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DATE Aug 2, 2007 — Yun Tang
Project Manager

DATE Aug 2, 2007 — M. Babs Abubakari
Office Head/District Engineer

The 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 _____ — State Transportation Planning Administrator

DATE _____ — State Transportation Financial Management Administrator

DATE 8-8-07 — State Environment/Location Engineer

DATE _____ — State Traffic Safety and Design Engineer

DATE _____ — District Engineer

DATE _____ — Project Review Engineer

DATE _____ — State Bridge Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design
PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(533)

Counties: Pulaski
P. I. Number: 0005533

Federal Route Number: US129
State Route Number: SR11

Description: Replacement of SR 11 Bridge at Bluff Creek 4.7 miles East of Finleyson

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DATE Aug 2, 2007 — Yun Tang
Project Manager

DATE Aug 2, 2007 — M. Babs Abubakari
Office Head/District Engineer

The 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 _____ — State Transportation Planning Administrator

DATE _____ — State Transportation Financial Management Administrator

DATE _____ — State Environment/Location Engineer

DATE _____ — State Traffic Safety and Design Engineer

DATE _____ — District Engineer

DATE _____ — Project Review Engineer

DATE 8/20/07 — Paul V. Liles Jr.
State Bridge Engineer

NOTICE OF LOCATION AND DESIGN APPROVAL

Project Name	Project Number	P.I. Number	County
Replacement of SR11 / US 129 Bridge over Bluff Creek 4.7 miles East of Finleyson	BR-0005-00(533)	005533	Pulaski

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 this project.

The date of location and design approval is SEPTEMBOL 28, 2007

Descriptions of the Proposed Project:
This project is located in Pulaski County in the 8th U.S. Congressional District, in Land Lot 7 of the 5th & 8th Land District of Pulaski County.

Descriptions of the Proposed Construction:
This project is located on US129 / SR 11 over Bluff Creek in Pulaski County. The sufficiency rating of the bridge is 38.85 out of 100. The purpose of the project is to provide a new bridge that meets safety requirements at US129 / SR 11 over Bluff Creek. The project will adequately handle future traffic needs within the existing typical section of two lanes. SR 11 is programmed as a two-lane roadway in the 2006-11 State Transportation Improvement Program (STIP) with a Right-of-Way Acquisition date of 2009, a Construction date of 2010, and a completion date of 2011.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Brink Stokes, Area Three Engineer
brink.stokes@dot.state.ga.us
200 Julianne Street
Perry, GA 31069
Telephone: (478) 988-7151

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Yun Tang, Project Manager
yun.tang@dot.state.ga.us
#2 Capitol Square
Atlanta, GA 30334
Telephone (404) 463-0290

Any written request or communication in reference to this project or notice should include the Project and P.I. Numbers as noted at the top of this notice.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design
PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(533)

Counties: Pulaski
P. I. Number: 0005533

Federal Route Number: US129
State Route Number: SR11

Description: Replacement of SR 11 Bridge at Bluff Creek 4.7 miles East of Finleyson

Recommendation for approval:

DATE Aug 2, 2007 — Yun Tang
Project Manager

DATE Aug 2, 2007 — M. Babs Abubakari
Office Head/District Engineer

The 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 _____ — State Transportation Planning Administrator

DATE _____ — State Transportation Financial Management Administrator

DATE _____ — State Environment/Location Engineer

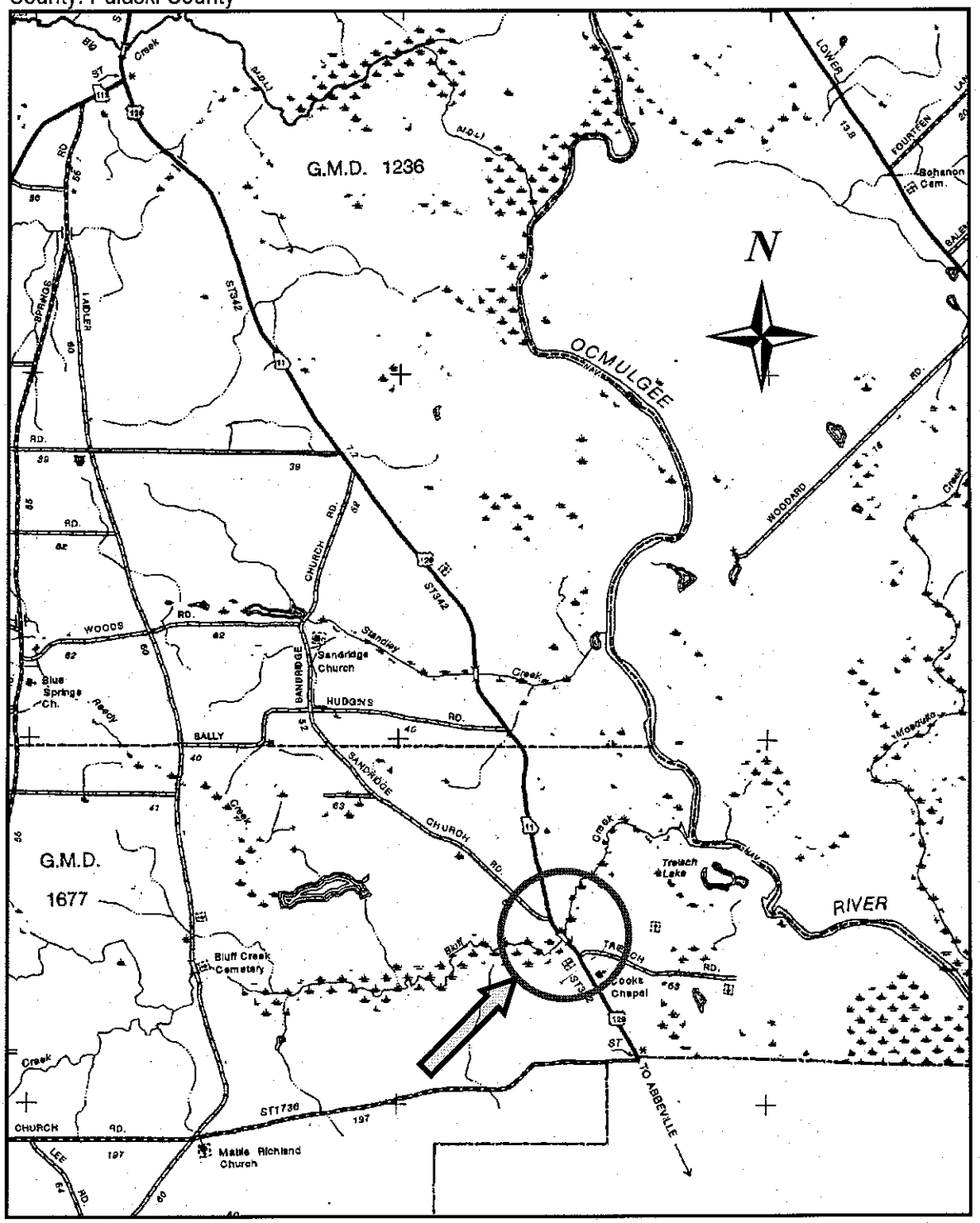
DATE _____ — State Traffic Safety and Design Engineer

DATE _____ — District Engineer

DATE _____ — Project Review Engineer

DATE _____ — State Bridge Engineer

OLIVER CREEK



Scale: 1 inch = 1 mile

Location Map

Project: BR-0005-00-(533) Pulaski County PI No.: 0005533

Description: Replacement of SR 11/ US 129 Bridge over Bluff Creek 4.7 mi E of Finleyson

Need and Purpose

Bridge project BR-0005-00(533) will replace the bridge at SR 11/US 129 over Bluff Creek. The two-lane bridge, which is functionally classified as a rural minor arterial, was constructed in 1926 and is not on a designated bike route. The desired width is based on Georgia MOG 4265-10. This project is not associated with any other projects and has independent utility.

The current traffic volume along SR-11/US 129 inside the project limits is 1,000 ADT, which includes school bus traffic. Traffic in 2032 is projected at 1,700 ADT.

The Structural Evaluation Rating for the bridge is a 4 and the Sufficiency Rating is a 38.85. Rather than improve a structure with a Sufficiency Rating below 50, the Department currently schedules the bridge for replacement. In accordance with MOG 2450-1, the Structural Evaluation Rating and the Sufficiency Rating of the bridge requires the bridge be replaced.

Description of the proposed project

This project is located on US129 / SR 11 over Bluff Creek in Pulaski County. The sufficiency rating of the bridge is 38.85 out of 100. The purpose of the project is to provide a new bridge that meets safety requirements at US129 / SR 11 over Bluff Creek. The project will adequately handle future traffic needs within the existing typical section of two lanes. SR 11 is programmed as a two-lane roadway in the 2006-11 State Transportation Improvement Program (STIP) with a Right-of-Way Acquisition date of 2009, a Construction date of 2010, and a completion date of 2011.

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

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): US 129 **State Route Number(s):** SR 11

Traffic for SR11

2003 ADT = 1000
2012 ADT (Base Year) = 1200
2032 ADT (Design Year) = 1700

Existing design features:

- Typical Section: Two 12' lanes with variable width grassed rural shoulders
- Posted speed: 55 mph
- Maximum grade: 1.6 % mainline
- Width of right-of-way: 75 ft.
- Major structures: Structure ID 235-0001-0: 8 spans @ 30'-0" each with a total length of 240', continuous Concrete on concrete bents with timber piles. The bridge roadway gutter to gutter clear width is 23.9ft with a 2ft sidewalk and the sufficiency rating is 38.85.
- Major interchanges or intersections along the project: None
- Existing length of roadway segment: 0.49 miles

Proposed Design Features:

- Proposed typical section: Two 12 ft Lanes with 10 ft rural shoulders. Slopes will vary from 2:1 in areas with guardrail to 4:1 in areas without guardrail.
- Proposed Design Speed Mainline: 55 mph
- Proposed Maximum grade Mainline: 1.6 % Maximum grade allowable: 6%
- Proposed Maximum grade Side Street: N/A Maximum grade allowable: 6%
- Proposed Maximum grade Driveway Residential: 12% Commercial: 12%
- Proposed Minimum radius of curve: 1200 ft Minimum radius allowable: 1190 ft
- Right-of-Way:
  - Additional Width: Varies from 10 to 75 ft
  - Easements: Temporary (X), Permanent (X), Utility ( ), Other ( ).
  - Type of access control: Full ( ), Partial ( ), By Permit (X), Other ( ).
  - Number of parcels: 5 Number of displacements: 0
    - Business: 0
    - Residences: 0
    - Mobile homes: 0
    - Other: 0
- Structures: Bridge over Bluff Creek - The proposed concrete bridges will be 38ft wide clear width (41'-3" out to out), consisting of two 12 ft travel lanes and 7 ft shoulders. The bridge is expected to have 6 - 40'-0" T- Beam spans on steel H-pile bents for a total length of 240ft.
- Major intersections and interchanges: None
- Traffic control during construction: The traffic will be maintained on-site during construction. The bridge will be constructed at a permanent offset.

- Design Exceptions to controlling criteria anticipated:

	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)

- Design Variances: None
- Environmental concerns: Nationwide 404 with PCN
- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes ( ), No (X),
  - Categorical exclusion anticipated (X),
  - Environmental Assessment/Finding of No Significant Impact (FONSI) ( ), or
  - Environmental Impact Statement (EIS) ( ).
- Utility involvements: Communications, Gas, Sanitary, and Water

Project responsibilities:

- Design: GDOT, Office of Consultant Design
- Right-of-Way Acquisition: GDOT, District 3 Preconstruction (Right of Way Office)
- Relocation of Utilities: GDOT, District 3 Utility Office
- Letting to contract: GDOT General Office (Office of Contract Administration)
- Supervision of construction: GDOT District 3 Construction Office
- Providing material pits: GDOT District 3 Materials Office

Coordination

- Concept Meeting and brief Summary: See attachments
- Concept meeting date: January 11, 2007
- FEMA, USCG, GA Power: The Bluff Creek is a FEMA studied stream.
- Public involvement: None required
- Local government comments: TBD
- Other projects in the area: None
- VE Study: No.

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 12 Months.
- Time to complete preliminary construction plans: 4 Months.
- Time to complete right-of-way plans: 1 Months.
- Time to complete the Section 404 Permit: 6 Months.
- Time to complete final construction plans: 4 Months.
- Time to complete to purchase right-of-way: 9 Months.

Other alternates considered:

1. Build proposed bridges on the existing alignment by closing the road and detouring traffic off-site.
2. Build proposed bridges parallel and offset to the West from the existing alignment
3. Build proposed bridges parallel and offset to the East from the existing alignment
4. Build bridge on existing alignment by building a temporary on-site detour
5. No build Alternative

Comments:

Alternative 3 is selected for this concept.

Alternative 1 was eliminated due to the excessive length of a suitable offsite detour. Alternative 2 was eliminated due to geometry and environmental impacts. Alternative 4 was eliminated due to the cost of building a temporary detour bridge. Alternative 5 was eliminated due to low bridge sufficiency rating.

Attachments:

1. Concept Meeting Minutes
2. Preliminary Cost Estimates including E&C, Right-of-Way, and Utilities
3. Traffic Assignments
4. Bridge Inventory Data Listings
5. Typical sections
6. Concept Plans
7. Location and Design Notice (on minor projects)

Estimate Report for file "005533_2007-07-11"

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	160000.00	TRAFFIC CONTROL -	160000.00
201-1500	1	LS	10000.00	CLEARING & GRUBBING -	10000.00
208-0100	9278	CY	4.90	IN PLACE EMBANKMENT	45464.80
433-1000	300	SY	125.23	REINF CONC APPROACH SLAB	37569.00
441-0014	250	SY	37.79	DRIVEWAY CONCRETE, 4 IN TK	9447.50
550-2180	30	LF	36.01	SIDE DRAIN PIPE, 18 IN, H 1-10	1080.30
550-3618	2	EA	684.14	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	1368.28
634-1200	9	EA	99.14	RIGHT OF WAY MARKERS	892.26
641-1100	400	LF	53.19	GUARDRAIL, TP T	21276.00
641-1200	550	LF	17.88	GUARDRAIL, TP W	9834.00
641-5012	4	EA	1809.04	GUARDRAIL ANCHORAGE, TP 12	7236.16
				Section Sub Total:	**$304,168.30**

Section REQUIRED PAVEMENT

Item Number	Quantity	Units	Unit Price	Item Description	Cost
310-1101	2094	TN	19.24	GR AGGR BASE CRS, INCL MATL	40288.56
402-1812	500	TN	65.34	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	32670.00
402-3110	576	TN	66.27	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	38171.52
402-3112	330	TN	65.55	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	21631.50
402-3121	1586	TN	63.48	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	100679.28
413-1000	707	GL	2.01	BITUM TACK COAT	1421.07
				Section Sub Total:	**$234,861.93**

Section EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	1	AC	737.55	TEMPORARY GRASSING	737.55
163-0240	3	TN	161.05	MULCH	483.15
163-0300	2	EA	1509.46	CONSTRUCTION EXIT	3018.92
163-0503	3	EA	547.24	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	1641.72
163-0520	200	LF	16.91	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	3382.00
163-0521	20	EA	212.10	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	4242.00
165-0010	700	LF	0.96	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	672.00
165-0030	1300	LF	1.65	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	2145.00
165-0040	20	EA	83.31	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	1666.20
165-0087	3	EA	167.75	MAINTENANCE OF SILT CONTROL GATE, TP 3	503.25
165-0101	2	EA	629.39	MAINTENANCE OF CONSTRUCTION EXIT	1258.78
167-1000	2	EA	1287.42	WATER QUALITY MONITORING AND SAMPLING	2574.84
167-1500	18	MO	936.29	WATER QUALITY INSPECTIONS	16853.22
171-0010	700	LF	2.09	TEMPORARY SILT FENCE, TYPE A	1463.00
171-0030	1300	LF	4.05	TEMPORARY SILT FENCE, TYPE C	5265.00
603-2024	300	SY	51.01	STN DUMPED RIP RAP, TP 1, 24 IN	15303.00
603-7000	300	SY	4.67	PLASTIC FILTER FABRIC	1401.00
700-6910	1	AC	1061.33	PERMANENT GRASSING	1061.33
700-7000	2	TN	71.92	AGRICULTURAL LIME	143.84
700-7010	2	GL	21.21	LIQUID LIME	42.42
700-8000	1	TN	346.89	FERTILIZER MIXED GRADE	346.89
700-8100	50	LB	2.33	FERTILIZER NITROGEN CONTENT	116.50

715-2200	300	SY	2.41	BITUMINOUS TREATED ROVING, WATERWAYS	723.00
716-2000	2000	SY	1.23	EROSION CONTROL MATS, SLOPES	2460.00
				Section Sub Total:	**$67,504.61**

Section TRAFFIC SIGNS & MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1029	50	SF	16.01	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	800.50
636-2070	80	LF	8.18	GALV STEEL POSTS, TP 7	654.40
653-1501	5130	LF	0.67	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	3437.10
653-1502	5130	LF	0.64	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	3283.20
654-1001	65	EA	3.17	RAISED PVMT MARKERS TP 1	206.05
				Section Sub Total:	**$8,381.25**

Section BRIDGE SR11 OVER Bluff Creek

Item Number	Quantity	Units	Unit Price	Item Description	Cost
000-000	9120	SF	90.00	240 x 38 BRIDGE	820800.00
000-000	7200	SF	30.00	EXISTING BRIDGE REMOVAL	216000.00
				Section Sub Total:	**$1,036,800.00**

Total Estimated Cost: $1,651,716.09

Subtotal Construction Cost	**$1,651,716.09**
E&C Rate 10.0 %	$165,171.61
Inflation Rate 0.0 % @ 0.0 Years	$0.00
Total Construction Cost	**$1,816,887.70**
Right Of Way	$450,000.00
ReImb. Utilities	$50,000.00
Grand Total Project Cost	**$2,316,887.70**

SR 11 Bridge over Bluff Creek
BR-0005-00(533)
Pulaski County, P.I. # 0005533

Meeting Minutes – Concept Team Meeting
January 11, 2007

ATTENDIES:

Yun Tang – GDOT (Office of Consultant Design) (404) 463-0290
Tom Queen – D-3 (706) 646-6317
Glenn A. Williams – GDOT (Utilities) (706) 646-6549
T. Charles Poole – R/W Acquisitions, LLC. (706) 647-0176
Scott Athey – Lowe Engineers (770) 857-8408
Brink Stokes – GDOT (Perry) (478) 988-7151
Scott Parker – GDOT (Traffic Ops) (706) 646-6561
Michael Presley – GDOT (Traffic Ops) (706) 646-6554
Claudia Busato – Lowe Engineers (404) 242-4220
Richard Meehan – Lowe Engineers (770) 857-8434

I. WELCOME

II. INTRODUCTION OF EACH ATTENDEE

III. PROJECT IDENTIFICATION
   i. BR-0005-00(533) Pulaski County
   ii. Bridge Replacement, SR 11 over Bluff Creek

IV. FUNCTIONAL CLASSIFICATION
   a. Rural Minor Arterial

V. NEED AND PURPOSE STATEMENT
   a. Structurally deficient bridge (39.28 rating – needs updated bridge report)

VI. TRAFFIC PROJECTIONS
   a. 2003 ADT = 1000
   b. 2012 ADT (base yr) = 1200
   c. 2032 ADT (design yr) = 1700
   d. 24 HR TRUCKS – 11%

VII. EXISTING TYPICAL SECTION
   a. 2 – 12' lanes w/ variable width grassed rural shoulders
   b. 75' r/w
   c. 55 mph posted speed

VIII. DESIGN CRITERIA
   a. 55 mph rural design

IX. PROPOSED PROJECT DESCRIPTION
   a. Build proposed bridge parallel and offset to the East of existing alignment
   b. 2- 12' lanes, 10' rural shoulders
   c. Additional R/W needed varies from 10' to 75' for slope of re-aligned road
   d. Easement for Construction & Removal of Existing Bridge

X. MAJOR STRUCTURES
   a. 8 spans @ 30'-0" each with a total length of 240', continuous concrete on concrete bents with timber piles and a concrete in place deck. The bridge roadway gutter to gutter clear width is 24ft with a 2ft sidewalk and sufficiency rating of 37.28. The bridge rating may need to be updated.
   b. Proposed bridge will be 44ft wide clear width (47'-3" out to out), consisting of two 12'

travel lanes and 10' shoulders. Bridge is expected to have 6 – 40'-0" T-Beam spans on steel H-pile bents for a total length of approximately 240ft.

XI. DESIGN VARIANCES/EXCEPTIONS
a. None expected

XII. RIGHT OF WAY DISPLACEMENTS/RELOCATIONS
a. 5 Parcels
b. 0 Displacements

XIII. UTILITIES
Utility involvements: Communications, Gas, Sanitary and Water.
There are overhead power on East side, underground fiber and copper telephone line on East side, and no utilities on bridge.

XIV. ALTERNATES CONSIDERED AND REASONS FOR REJECTION
a. Build proposed bridge on the existing alignment by closing the road and detouring traffic off-site – No Adequate off-site detour.
b. Build proposed bridges parallel and offset to the West from the existing alignment - would have additional wetlands impacts
c. Build proposed bridge on the existing alignment by closing the road and detouring traffic to on-site detour bridge either East or West – would still result in displacements and in wetlands impacts, additional cost of building detour bridge
d. No build Alternative – structurally deficient

XV. LEVEL OF ENVIRONMENTAL ANALYSIS AND CONCERNS
a. URS
b. Categorical exclusion is anticipated.
c. Nationwide 404 with PCN

XVI. PROJECT DEVELOPMENT SCHEDULE
a. Environmental Document – May 2008
b. PFPR – July 2008
c. R/W Plans – October 2008
d. Construction – July 2010

XVII. PUBLIC HEARING
a. Not Held

XVIII. COMMENTS FROM ATTENDEEES
- Mr. Williams – The reimbursable utilities cost for the cost estimate should be $50,000.
- Mr. Poole - The R/W of the existing bridge will be kept by GDOT.
- Mr. Meehan - There will be no construction easement on the project, the project will be built inside newly acquired R/W.
- Mr. Meehan – The reason for going to the East side is that it will be cheaper to build. There will need to be significant more dewatering and fill cost if the alignment were to be on the West side. There is no stream impact but there are wetland impacts. We are keeping impacts within 1/3 of an acre. It is easy to see that the East side is better for construction that the West side, the West side is swamp.
- Mr. Glenn – The telephone is probably inside the existing right of way.
- Mr. Tang – No public hearing is anticipated.
- Mr. Meehan – (Designing without the bridge design) We are following PDP, and we are using the same span length and elevation for preliminary design, we won't design the piles. We are not raising or lowering the bridge, but it all depends on the hydraulic study.
- Stokes – There was a flood in 1995; there was no problem with the bridge, but roads were flooded.
- The intersection may be affected by the end of the project. Richard will discuss with Yun whether or not to include it in the project.

Department of Transportation
State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0005-00(533),
Pulaski County
P.I. # 0005533

OFFICE Environment/Location

DATE November 5, 2004

FROM Harvey Keepler, State Environment/Location Engineer

TO Brent Story, P.E., State Consultant Design Engineer
Attn. Ted Cashin

SUBJECT Traffic Volume for S.R. 11 @ Bluff Creek 4.7 Miles east of Finleyson

Traffic Volume for the above project is attached below:

2003 ADT = 1000
2012 ADT = 1200
2032 ADT = 1700
D = 58%
K = 10%
T = 9%
24 HR. T. = 11%
S.U. = 5%
COMB. = 6%

If you have any questions concerning this information please contact Soli Shakshuki at (404) 699-4458

HDK/SMS

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 235-0001-0 **Pulaski** SUFF. RATING 38.85

Location & Geography

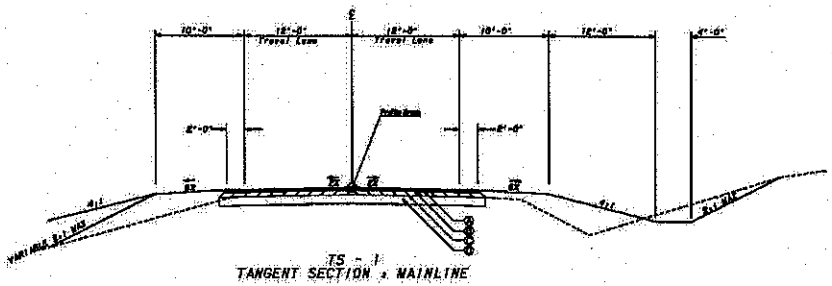
*	Structure I.D.No:	235-0001-0
	200 Bridge Information:	06
*	6A Feature Int:	BLUFF CREEK
*	6B Critical Bridge:	0
*	7A Route Number Carried:	SR00011
*	7B Facility Carried:	US 129
*	9 Location:	4.7 MI E OF FINLEYSON
	2 DOT District:	3
	207 Year Photo:	2003
*	91 Inspection Frequency:	24 Date: 03/15/2005
	92A Fract Crit Insp Freq:	00 Date: 02/01/1901
	92B Underwater Insp Freq:	00 Date: 02/01/1901
	92C Other Spc. Insp Freq:	00 Date: 02/01/1901
*	4 Place Code:	00000
*	5 Inventory Route (O/U):	1
	Type:	2
	Designation:	1
	Number:	00011
	Direction:	0
*	16 Latitude: 32-08.7	HMMS Prefix: SR
*	17 Longitude: 083-25.3	HMMS Suffix: 00 MP: 0.91
	98 Border Bridge: 000	%Shared: 00
	99 ID Number:	000000000000000
*	100 STRAHNET:	2
	12 Base Highway Network:	1
	13A LRS Inventory Route:	2351001100
	13B Sub Inventory Route:	0
*	101 Parallel Structure:	N
*	102 Direction of Traffic:	2
*	264 Road Inventory Mile Post:	000.89
*	208 Inspection Area: 08	Initials: JLA
	Engineer's Initial: jal	

* Location I.D. No.: 235-00011D-000.91N

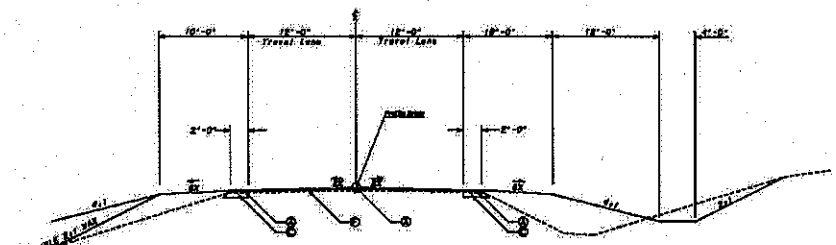
*	104 Highway System:	0
*	26 Functional Classification:	06
*	204 Federal Route Type:	S No.: 00342
	105 Federal Lands Highway:	0
*	110 Truck Route:	0
	206 School Bus Route:	1
	217 Benchmark Elevation:	0000.00
	218 Datum:	0
*	19 Bypass Length:	10
*	20 Toll:	3
*	21 Maintenance:	01
*	22 Owner:	01
*	31 Design Load:	2
	37 Historical Significance:	5
	205 Congressional District:	03
	27 Year Constructed:	1926
	106 Year Reconstructed:	1936
	33 Bridge Median:	0
	34 Skew:	00
	35 Structure Flared:	0
	38 Navigation Control:	0
	213 Special Steel Design:	0
	267 Type of Paint:	0
*	42 Type of Service on:	1
	Under:	5
	214 Movable Bridge:	0
	203 Type Bridge:	A-O-O-O
	259 Pile Encasement:	3
*	43 Structure Type Main:	1 04
	45 No. Spans Main:	008
	44 Structure Type Appr:	0 00
	46 No. Spans Appr:	0000
	226 Bridge Curve Horz:	0 Vert: 0
	111 Pier Protection:	0
	107 Deck Structure Type:	1
	108 Wearing Surface Type:	6
	Membrance:	0
	Protection:	8

Signs & Attachments

	225 Expansion Joint Type:	02	
	242 Deck Drains:	1	
	243 Parapet Location:	0	
	Height:		0.00
	Width:		0.00
	238 Curb:		1.00 1
	239 Handrail:	1 1	
*	240 Median Barrier Rail:	0	
	241 Bridge Median Height:		0.00
	Width:		0.00
*	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:	00	
	Sewer:	00	
	247 Lighting Street:	0	
	Navigation:	0	
	Aerial:	0	
*	248 County Continuity No.:	07	



TS - 1
TANGENT SECTION ; MAINLINE
APPLIES STA. 18+20.46 TO STA. 34+00



TS - 2
TANGENT SECTION ; MAINLINE OVERLAY
APPLIES STA. 3+96 TO STA. 16+80.42 &
STA. 34+00 TO STA. 46+77.08

REQUIRED PAVEMENT

Ⓐ RECYCLED ASPH CONC 9.5 MM SUPERPAVE & 110 LB/SY SUPERPAVE MIX DESIGN LEVEL IS "A".

Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE & 110 LB/SY SUPERPAVE MIX DESIGN LEVEL IS "A".

Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE & 110 LB/SY BITUM MATL H. LIME

Ⓓ GRADED AGGREGATED BASE, 12 IN

Ⓕ RECYCLED ASPH CONC LEVELING, AS REQUIRED.

Ⓖ RECYCLED ASPH CONC 19 MM SUPERPAVE & 110 LB/SY

REQUIRED R/W LINE
EXIST. PROPERTY LINE
PROPOSED CUT/FILL
EXISTING TOPOGRAPHY

LOWE
ENGINEERS
2000 RIVERSIDE PARKWAY, SUITE 400, ATLANTA, GA 30328
PHONE 770.857.8400 FAX 770.857.8403

SCALE IN FEET
0 50 100 200

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: CONSULTANT DESIGN
MAINLINE PLAN
SR 11 BRIDGE OVER
BLUFF CREEK

DRAWING NO. 13-2

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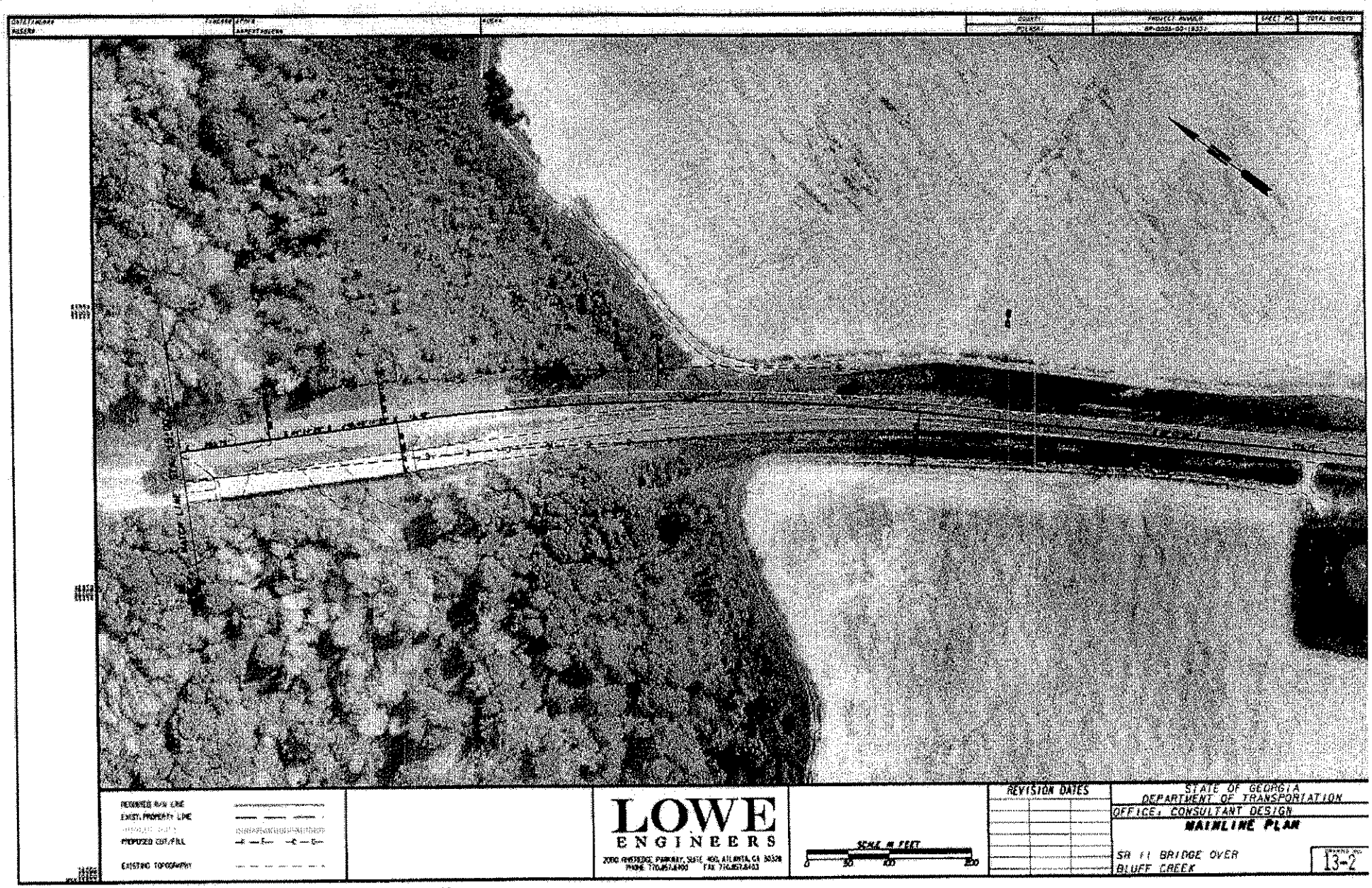

LOWE
ENGINEERS

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: CONSULTANT DESIGN

MAINLINE PLAN

SR 11 BRIDGE OVER
BLUFF CREEK

13-2

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