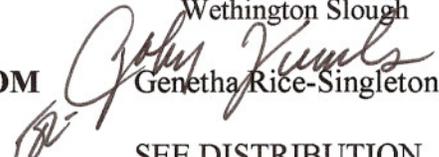


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. Nos. 0005877, 0005873, 0005876, Mitchell County **OFFICE** Preconstruction
BRG-0005-00(877), (873), (876)
Bridge Replacements on Old Highway 3/CR 307 over
Raccoon Creek, Raccoon Creek, ~~OVERFLOW~~
Wethington Slough **DATE** December 12, 2006

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.

GRS/cj

Attachment

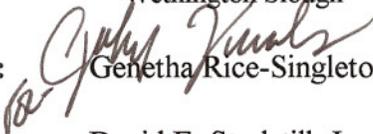
DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
Jamie Simpson
Michael Henry
Keith Golden
Joe Palladi (file copy)
Paul Liles
Babs Abubakari
Joe Sheffield
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P. I. Nos. 0005877, 0005873, 0005876, Mitchell County **OFFICE:** Preconstruction
BRG-0005-00(877), (873), (876)
Bridge Replacements on old Highway 3/CR 307 over
Raccoon Creek, Raccoon Creek Overflow,
Wethington Slough **DATE:** November 21, 2006

FROM:  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO: David E. Studstill, Jr., P.E., Chief Engineer

SUBJECT: PROJECT CONCEPT REPORT

These combined projects are the replacement of THREE (3) narrow and structurally deficient bridges on Old Highway 3/CR 307 over Raccoon Creek, Raccoon Creek Overflow, and Wethington Slough, 1.2 miles south of Baconton, Georgia. The existing bridges, Raccoon Creek (176' x 22'), Raccoon Creek Overflow (64' x 22'), and Wethington Slough (96' x 22') were built in 1921 and have sufficiency ratings of 16, 49, and 49 respectively. The existing approaches consist of two, 9' travel lanes with 5' rural shoulders on 50' of existing right-of-way. The base year traffic (2010) along this section of CR 307 is 1200 VPD and the 20 year traffic (2030) or design year projected volume is 1700 VPD. The posted speed and the design speed are 55 MPH.

The construction proposes to replace the existing bridges over Raccoon Creek, Raccoon Creek Overflow and Wethington Slough with new 300' x 32', 150' x 32', and 200' x 32' concrete bridges, respectively, at the existing bridge sites. The approaches will consist of two, 12' travel lanes with 8' rural shoulders. The existing bridges are eligible for the national register. Context sensitive design is required to avoid an adverse effect and section 4(f). The replacement bridges will utilize Kansas Corral railings with slotted opens to mimic, but not replicate, the existing railing. Paneled fascia will be recreated along the side elevations of the replacement bridges and tinted concrete similar to past GDOT bridge replacement projects on old Highway 3 will be utilized. The existing bridges will be closed during construction and traffic will be detoured via an off-site detour.

Environmental concerns include requiring a COE 404 permit; a Categorical Exclusion will be prepared; medium-format photography will be used for mitigation and documentation of the historic bridges; a public information open house detour meeting will be held; time saving procedures are appropriate.

P. I. Nos. 0005873, 0005976, 0005977, Mitchell
November 21, 2006

The estimated costs for these projects are:

BRG-0005-00(873) Raccoon Creek Overflow

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C and inflation)	\$718,000	\$861,000	L110	LR
Right-of-Way & Utilities*	Local	Local		

BRG-0005-00(876) Wethington Slough

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C and inflation)	\$1,338,000	\$1,604,000	L110	LR
Right-of-Way & Utilities*	Local	Local		

BRG-0005-00(877) Raccoon Creek

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C and inflation)	\$1,729,000	\$2,074,000	L110	LR
Right-of-Way & Utilities*	Local	Local		

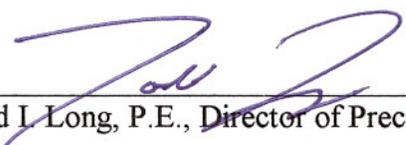
*Mitchell County signed LGPA on 8-12-03 for right-of-way and utilities.

I recommend these project concepts be approved and the projects be constructed concurrently.

GRS:JDQ/cj

Attachment

CONCUR


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

APPROVE


David E. Studstill, Jr., P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRG-0005-00(876) Mitchell
P.I. No. 0005876
CR 307 @ Wethington Slough

OFFICE: Engineering Services

DATE: November 17, 2006

FROM: Brian K. Summers, P.E., Project Review Engineer *REW*

TO: Genetha Rice-Singleton., Assistant Director of Preconstruction

SUBJECT: CONCEPT REPORT

We have reviewed the Concept Report dated October 31, 2006 by the letter from Sandy Griffin, and have no comments.

The costs for this project are:

Construction	\$1,215,506
Inflation	\$0.00
E & C	\$121,551
Reimbursable Utilities	\$0.00
Right of Way	\$0.00

REW

c: Joe Sheffield, attn.: Sandy Griffin

31 October, 2006
Project Concept Report Page: 1
Project Number: BRG-0005-00 (876)
P. I. Number: 0005876
County: Mitchell

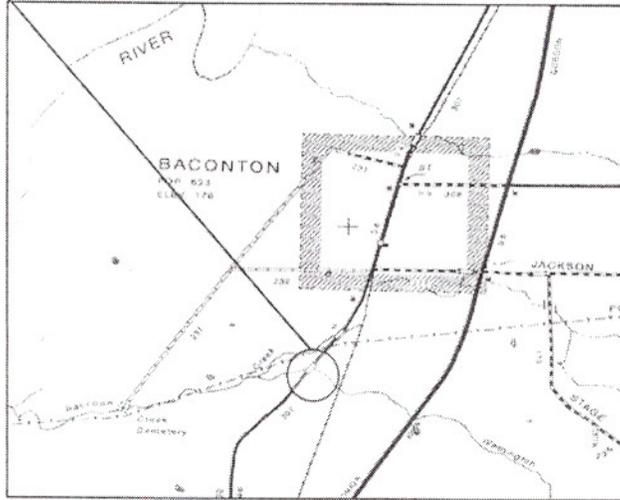
State of Georgia Department of Transportation

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 4 - Tifton, GA
Project Number: BRG-0005-00 (876)
County: Mitchell
P. I. Number: 0005876

Project Concept Report

Project Location



Federal Route Number: N/A

State Route Number: N/A.

Bridge Replacement on CR 307 Old Georgia Hwy. 3 @ Wethington Slough

Recommended for approval:

DATE: 10/31/06

DATE: 10-31-06

Robert J. Luff

Project Manager

Joe W. Truffield

District Engineer

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

DATE: _____

State Transportation Planning Administrator

DATE: _____

Financial Management Administrator

DATE: _____

State Environmental/Location Engineer

DATE: 11-7-06

David Gold

State Traffic Safety and Design Engineer

DATE: _____

Project Review Engineer

DATE: _____

State Bridge Design Engineer

31 October, 2006
Project Concept Report Page: 1
Project Number: BRG-0005-00 (876)
P. I. Number: 0005876
County: Mitchell

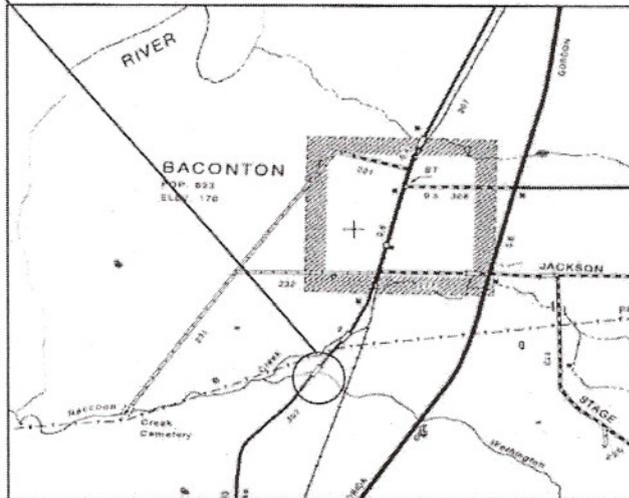
State of Georgia Department of Transportation

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 4 - Tifton, GA
Project Number: BRG-0005-00 (876)
County: Mitchell
P. I. Number: 0005876

Project Concept Report

Project Location



Federal Route Number: N/A
State Route Number: N/A.

Bridge Replacement on CR 307 Old Georgia Hwy. 3 @ Wethington Slough

Recommended for approval:

DATE: 10/31/06

DATE: 10-31-06

Robert J. [Signature]
Project Manager

Joe W. [Signature]
District Engineer

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

DATE: _____

DATE: 11-6-06

DATE: _____

DATE: _____

DATE: _____

DATE: _____

State Transportation Planning Administrator

Danner T. Simpson
Financial Management Administrator

State Environmental/Location Engineer

State Traffic Safety and Design Engineer

Project Review Engineer

State Bridge Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: **P.I. # 0005876**

OFFICE: Environment/Location

DATE: November 9, 2006


FROM: Harvey D. Keeper, State Environmental/Location Engineer

TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT: **PROJECT CONCEPT REPORT
BRG-0005-00(876) Mitchell County
Bridge Replacement on Old Hwy. 3/CR 307 @ Wethington Slough**

The above subject concept report has been reviewed. This bridge is eligible according to the GHBS and is on the Dixie Highway which is also eligible for the National Register. Context sensitive design is required to avoid an adverse effect and section 4(f).

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

HDK/sdw

Attachment

cc: Brian Summers
Ralph Griffin
Keith Golden
Angela Alexander
Jamie Simpson

31 October, 2006
Project Concept Report Page: 1
Project Number: BRG-0005-00 (876)
P. I. Number: 0005876
County: Mitchell

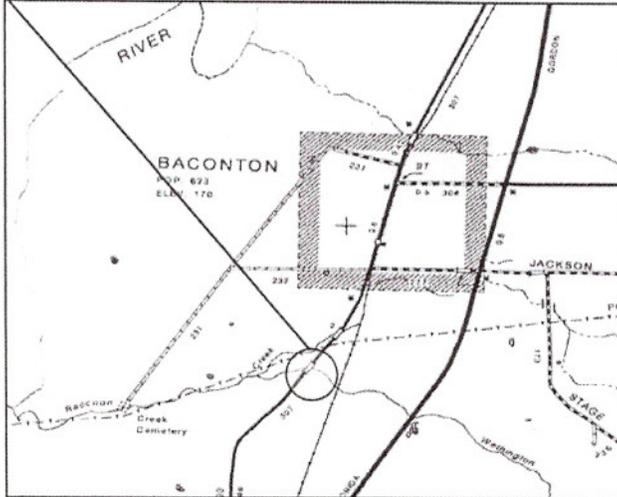
State of Georgia Department of Transportation

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 4 – Tifton, GA
Project Number: BRG-0005-00 (876)
County: Mitchell
P. I. Number: 0005876

Project Concept Report

Project Location



Federal Route Number: N/A
State Route Number: N/A.

Bridge Replacement on CR 307 Old Georgia Hwy. 3 @ Wethington Slough

Recommended for approval:

DATE: 10/31/06

DATE: 10-31-06

Ralph J. [Signature]
Project Manager

Joe W. [Signature]
District Engineer

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

DATE: _____

State Transportation Planning Administrator

DATE: _____

Financial Management Administrator

DATE: 11.09.06

[Signature]
State Environmental/Location Engineer

DATE: _____

State Traffic Safety and Design Engineer

DATE: _____

Project Review Engineer

DATE: _____

State Bridge Design Engineer

31 October, 2006
Project Concept Report Page: 1
Project Number: BRG-0005-00 (876)
P. I. Number: 0005876
County: Mitchell

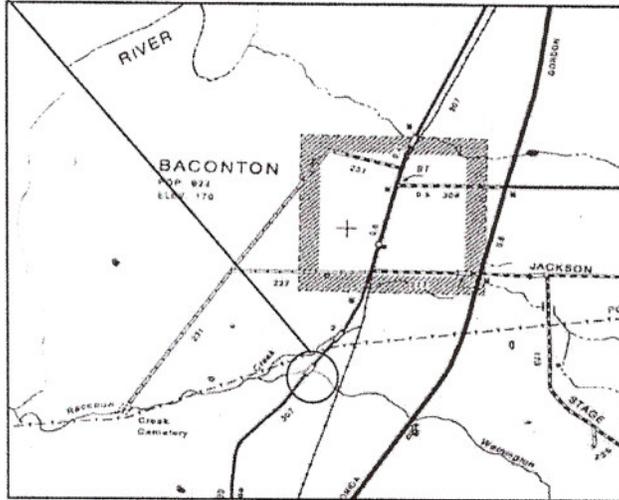
State of Georgia Department of Transportation

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 4 - Tifton, GA
Project Number: BRG-0005-00 (876)
County: Mitchell
P. I. Number: 0005876

Project Concept Report

Project Location



Federal Route Number: N/A
State Route Number: N/A.

Bridge Replacement on CR 307 Old Georgia Hwy. 3 @ Wethington Slough

Recommended for approval:

DATE: 10/31/06

DATE: 10-31-06

Ralph J. [Signature]
Project Manager

Joe W. [Signature]
District Engineer

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

DATE: _____

State Transportation Planning Administrator

DATE: _____

Financial Management Administrator

DATE: _____

State Environmental/Location Engineer

DATE: _____

State Traffic Safety and Design Engineer

DATE: 11/17/06

Bruce K. [Signature]
Project Review Engineer

DATE: _____

State Bridge Design Engineer

31 October, 2006
Project Concept Report Page: 1
Project Number: BRG-0005-00 (876)
P. I. Number: 0005876
County: Mitchell

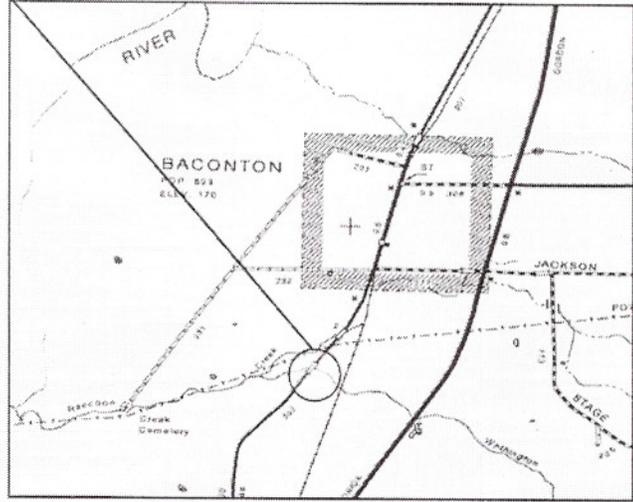
State of Georgia Department of Transportation

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

District 4 – Tifton, GA
Project Number: BRG-0005-00 (876)
County: Mitchell
P. I. Number: 0005876

Project Concept Report

Project Location



Federal Route Number: N/A
State Route Number: N/A.

Bridge Replacement on CR 307 Old Georgia Hwy. 3 @ Wethington Slough

Recommended for approval:

DATE: 10/31/06

Ralph J. [Signature]
Project Manager

DATE: 10-31-06

Joe W. [Signature]
District Engineer

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

DATE: _____

State Transportation Planning Administrator

DATE: _____

Financial Management Administrator

DATE: _____

State Environmental/Location Engineer

DATE: _____

State Traffic Safety and Design Engineer

DATE: _____

Project Review Engineer

DATE: 11/19/06

Paul V. [Signature]
State Bridge Design Engineer

SCORING RESULTS AS PER MOG 2440-2

Project Number: BRG-0005-00(876)		County: Mitchell		PI No.: 0005876	
Report Date: October 31, 2006		Concept By: DOT Office: District 4			
<input checked="" type="checkbox"/> Concept Stage		Consultant: N/A			
Project Type: Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input checked="" type="checkbox"/> Bridge Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation	100				
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

NOTICE OF LOCATION AND DESIGN APPROVAL

BRG-0005-00(876), Mitchell County PI No. 0005876

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.

The date of location approval is DECEMBER 12, 2006

Description of the project:

This project is the replacement of the narrow and structurally deficient bridge on County Road 307/ Old Georgia Hwy 3 @ Wethington Slough approximately 1.5 miles south of Baconton, Georgia, in the 9th Land District, Land Lot No. 194 & 195 Georgia Militia District 1173. The proposed project will be approximately 0.25 miles in length.

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:

Tony Cravey, Area Engineer
Tony.Cravey@dot.state.ga.us
2060 Newton Road
Albany, Georgia 31701

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:

Ralph S. Griffin, District Design Engineer
sandy.griffin@dot.state.ga.us
Georgia Department of Transportation
PO Box 7510
Tifton, GA 31793
(229) 386-3300

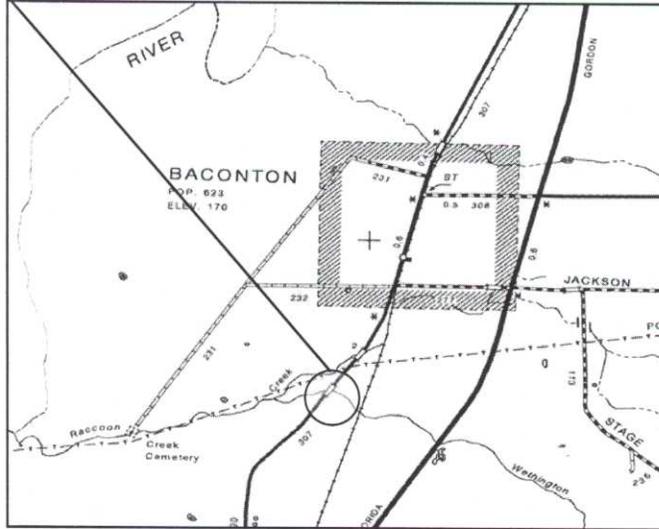
Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.

**DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA**

District 4 – Tifton, GA
 Project Number: BRG-0005-00 (876)
 County: Mitchell
 P. I. Number: 0005876

Project Concept Report

Project Location



Federal Route Number: N/A
 State Route Number: N/A.

Bridge Replacement on CR 307 Old Georgia Hwy. 3 @ Wethington Slough

Recommended for approval:

DATE: 10/31/06

DATE: 10-31-06

Ralph J. Luff

 Project Manager

Joe W. Huffield

 District Engineer

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

DATE: _____

 State Transportation Planning Administrator

DATE: _____

 Financial Management Administrator

DATE: _____

 State Environmental/Location Engineer

DATE: _____

 State Traffic Safety and Design Engineer

DATE: _____

 Project Review Engineer

DATE: _____

 State Bridge Design Engineer

31 October, 2006

State of Georgia Department of Transportation

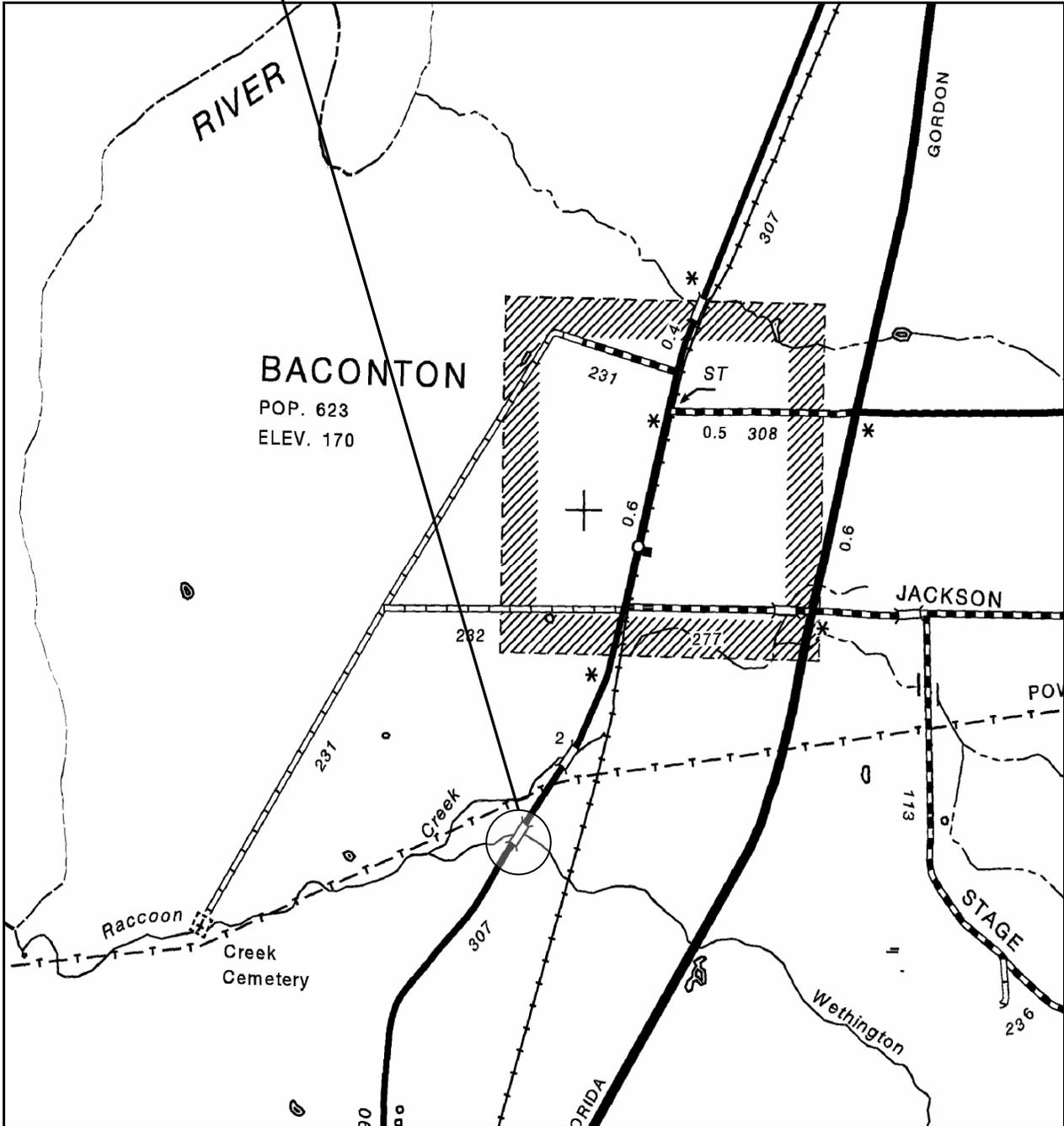
Project Concept Report Page: 2

Project Number: BRG-0005-00 (876)

P. I. Number: 0005876

County: Mitchell

PROJECT LOCATION



NEED AND PURPOSE

PROJECT BRG-0005-00 (876) MITCHELL COUNTY

P.I. NO 0005876

Bridge Replacement

CR 307/ Old Georgia Highway 3 at Wethington Slough

The existing bridge on County Route 307 (Old Georgia Highway 3) over the Wethington Slough approximately 1.5 miles south of Baconton, Georgia carried an average of 1,050 vehicles per day in the year 2003, which does not include school bus traffic. This traffic volume represents a Level-of-Service "A", which is acceptable. This two-lane bridge was constructed in 1921 and is not on a designated bike route.

The sufficiency rating for the bridge is 49.56 and is listed on the current Highway Bridge Replacement and Rehabilitation Program Selection List maintained by the Department's Office of Maintenance. In accordance with GDOT TOPPS 2405-1, a sufficiency rating less than 50 and a bridge listed on the current Highway Bridge Replacement and Rehabilitation Program Selection List meets eligibility requirements for replacement and HBRRP Funding. This bridge meets the current policy for replacement.

For the year 2010, the traffic volume is projected to be 1,200 vehicles per day. By the year 2030, traffic volume is projected to grow to 1,700 vehicles per day. For both conditions, the Level-of-Service will be "A", which is acceptable.

Because the bridge is considered structurally deficient, GDOT has proposed project BRG-0005-00 (876) to replace the bridge with a new structure. There are no other associated projects in the area and this project has independent utility.

This project does not disproportionately burden or benefit any particular community. The project is surrounded by mainly wooded/agricultural land that is undeveloped. The minority population for census tract 132059801 is 32.7%. The average minority population of the state of Georgia is 38% and of Mitchell County is 50.4% according to the 2000 Census Data. Approximately 26.4% of Mitchell County residents are below the poverty level compared to a state average of 13%. The project is considered to be a benefit to all of the communities that use the bridge because of the improved bridge condition.

Description of the project: This project is the replacement of the narrow and structurally deficient bridge on County Road 307/ Old Georgia Hwy 3 @ Wethington Slough approximately 1.5 miles south of Baconton, Georgia, in the 9th Land District, Land Lot No. 194 & 195 Georgia Militia District 1173. The proposed project will be approximately 0.25 miles in length.

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

PDP Classification: Major , Minor

Federal Oversight: Full Oversight , Exempt , State Funded , or Others

Functional Classification: Rural Major Collector

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

State Route Number(s): N/A

Traffic (AADT):

Base Year: (2010) 1200

Design Year: (2030) 1700

Existing Design Features:

- Typical Section:
CR 307 – Rural roadway – two 9’ travel lanes total width , 5’ grass shoulders, open ditches.
- Posted Speed 55 mph Maximum degree curvature none
- Maximum Grade: 0.14 %
- Width of right of way: 50 ft.
- Major structures: 22’ X 96’ Concrete bridge
- Major interchanges or intersections along the project: None
- Existing length of roadway segment and the beginning mile logs for each county segment:
Project begins at ML 9.78 and extends northward approximately 0.25 miles.

Proposed Design Features:

- Proposed typical section(s): Two 12 ft travel lanes, 8 ft grass shoulders, open ditches
- Proposed Design Speed Mainline 55 mph
- Proposed Maximum grade Mainline 0.48% Maximum grade allowable 7 %
- Proposed Maximum grade Side Street N/A % Maximum grade allowable N/A %
- Proposed Maximum grade driveway 10 %
- Proposed Maximum degree of curve N/A Maximum degree allowable 6°00’

- Right of way

Width: 160 ft.

Easements: Temporary , Permanent , Utility , Others

Type of access control: Full , Partial , By Permit , Others

Number of parcels 3

Number of displacements:

⇒ Business: 0

⇒ Residents: 0

⇒ Mobile homes: 0

⇒ Others: 0

- Structures:
 - Bridges: One 32' x 200' Reinforced Concrete Bridge
 - Retaining walls: none
- Major intersections and interchanges: none
- Traffic control during construction: Roadway to be closed during construction..
- Design Exceptions to controlling criteria anticipated:

	UNDETERMINED	YES	NO
HORIZONTAL ALIGNMENT:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ROADWAY WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SHOULDER WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL GRADES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CROSS SLOPES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOPPING SITE DISTANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SUPERELEVATION RATES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HORIZONTAL CLEARANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEED DESIGN:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Design Variances: None anticipated

Environmental concerns: Wetland impact.

- Level of environmental analysis:
 - ⇒ Are Time Saving Procedures appropriate? Yes , No
 - ⇒ Categorical Exclusion:
 - ⇒ Environmental Assessment/Finding of No Significant Impact (FONSI) , or
 - ⇒ Environmental Impact Statement (EIS) .
- Utility involvement: Mitchell EMC, Bellsouth Telephone.

Project responsibilities:

- ⇒ Design, GDOT
- ⇒ Right of Way Acquisition, Mitchell Co.
- ⇒ Relocation of Utilities, Utility Owners
- ⇒ Letting to contract, GDOT
- ⇒ Supervision of construction, GDOT
- ⇒ Providing material pits, n/a
- ⇒ Providing detours, Mitchell Co.

Coordination:

- Initial Concept Meeting Date _____

- Concept Meeting Date October 11, 2006

- P. A. R. Meeting Date _____

- Public involvement: PIOH Detour meeting
- Local government comments:
- Other projects in area: BRG-0005-00(873) and BRG-0005-00(877)
- Other coordination to date: None
- Railroads: None

Scheduling – Responsible Parties’ Estimate

- Time to complete environmental process: 15 Months.
- Time to complete preliminary construction plans :10 Months.
- Time to complete right of way plans: 4 Months.
- Time to complete the Section 404 Permit: 12 Months.
- Time to complete final construction plans: 10 Months.
- Time to complete to purchase right of way: 10 Months.
- List other major items that will affect the project schedule: None

Other alternates considered:

An onsite detour was considered but due to additional adverse environmental impacts this was abandoned.

Comments:

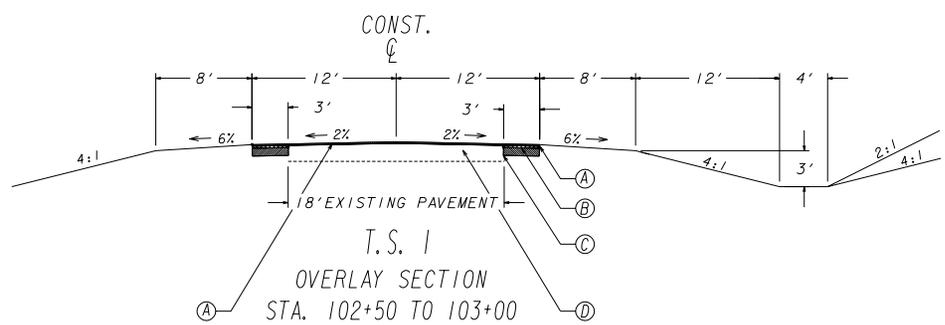
Concept team recommends letting Projects BRG-0005-00 (873)Raccoon Creek Overflow, BRG-0005-00 (876) Wethington Slough and BRG-0005-00 (877) Raccoon Creek in Mitchell Co. under the same contract due to close proximity and road closure.

Attachments:

1. Typical Section
2. Cost Estimates
3. Accident summaries
4. Traffic Assignments
5. Bridge inventory
6. Concept meeting minutes
7. LGPA
8. Location and Design Notice
9. Preliminary Plan Layout

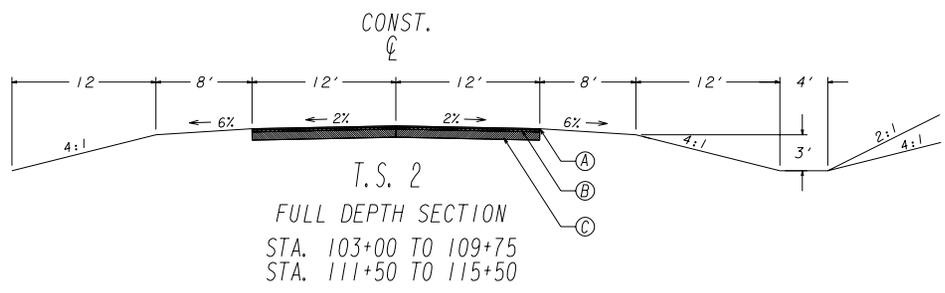
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
G.A.	BRG-0005-00 (876)		

TYPICAL SECTIONS

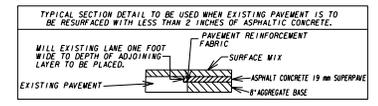
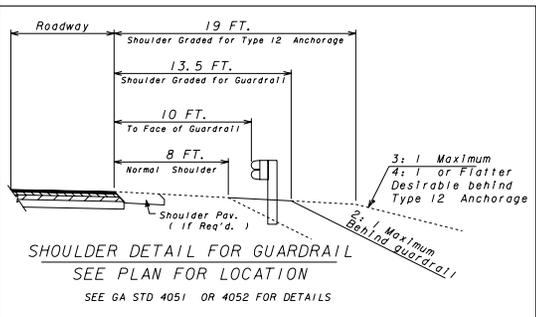


SLOPE CONTROLS - FEET		
SLOPE	CUT BACKSLOPE	FILL
4:1	0-11.5'	0-12.5'
2:1	> 23'	> 25'

NOTE:
CUT SLOPES MAY BE A MAXIMUM OF 2:1 TO REMAIN WITHIN THE RIGHT-OF-WAY LIMITS. FILL SLOPES STEEPER THAN 4:1 WILL REQUIRE GUARDRAIL.



- (A) 125 LB/YD² ASPH. CONC. 9.5 mm TYPE 1 SUPERPAVE
- (B) 220 LB/YD² ASPH. CONC. 19 mm SUPERPAVE
- (C) 8" GRADED AGGREGATE BASE
- (D) LEVELING AS REQUIRED BY THE ENGINEER



TYPICAL SECTIONS
BRG-0005-00 (876)
MITCHELL COUNTY
PI 0005876
SHEET 1 OF 1
NO SCALE

Estimate Report for file "005876"

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	5000.00	TRAFFIC CONTROL -	5000.00
210-0100	Lump	LS	75000.00	GRADING COMPLETE -	75000.00
310-5080	2707	SY	10.57	GR AGGR BASE CRS, 8 INCH, INCL MATL	28612.99
318-3000	30	TN	17.53	AGGR SURF CRS	525.90
402-1812	200	TN	62.28	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	12456.00
402-3110	176	TN	80.00	RECYCLED ASPH CONC 9.5 MM SUPERPAVE TYPE 1	14080.00
402-3190	298	TN	72.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	21456.00
413-1000	222	GL	2.83	BITUM TACK COAT	628.26
433-1200	230	SY	184.50	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	42435.00
441-0301	2	EA	2125.00	CONC SPILLWAY, TP 1	4250.00
500-3101	2	CY	499.20	CLASS A CONCRETE	998.40
550-2180	50	LF	33.85	SIDE DRAIN PIPE, 18 IN, H 1-10	1692.50
550-3618	2	EA	569.43	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	1138.86
576-1018	70	LF	26.64	SLOPE DRAIN PIPE, 18 IN	1864.80
634-1200	18	EA	92.80	RIGHT OF WAY MARKERS	1670.40
641-1100	42	LF	125.00	GUARDRAIL, TP T	5250.00
641-1200	450	LF	25.40	GUARDRAIL, TP W	11430.00
641-5001	2	EA	660.00	GUARDRAIL ANCHORAGE, TP 1	1320.00
641-5012	2	EA	1790.00	GUARDRAIL ANCHORAGE, TP 12	3580.00
Section Sub Total:					\$233,389.11

Section TEMPORARY EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	2	AC	496.63	TEMPORARY GRASSING	993.26
163-0240	37	TN	198.35	MULCH	7338.95
163-0300	4	EA	1796.72	CONSTRUCTION EXIT	7186.88
163-0520	970	LF	13.77	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	13356.90
163-0530	2171	LF	2.91	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	6317.61
165-0030	1086	LF	1.28	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	1390.08
165-0070	573	LF	1.70	MAINTENANCE OF BALED STRAW EROSION CHECK	974.10
165-0101	4	EA	467.88	MAINTENANCE OF CONSTRUCTION EXIT	1871.52
167-1000	2	EA	1692.56	WATER QUALITY MONITORING AND SAMPLING	3385.12
167-1500	18	MO	894.05	WATER QUALITY INSPECTIONS	16092.90
171-0030	2171	LF	3.30	TEMPORARY SILT FENCE, TYPE C	7164.30
Section Sub Total:					\$66,071.62

Section PERMANENT EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2180	1234	SY	35.31	STN DUMPED RIP RAP, TP 3, 12 IN	43572.54
603-7000	1234	SY	5.00	PLASTIC FILTER FABRIC	6170.00
700-6910	3	AC	1358.57	PERMANENT GRASSING	4075.71
700-7000	3	TN	58.72	AGRICULTURAL LIME	176.16
700-7010	8	GL	27.00	LIQUID LIME	216.00
700-8000	1	TN	346.00	FERTILIZER MIXED GRADE	346.00
700-8100	50	LB	5.90	FERTILIZER NITROGEN CONTENT	295.00
716-2000	532	SY	2.50	EROSION CONTROL MATS, SLOPES	1330.00
Section Sub Total:					\$56,181.41

Section SIGNING & MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
652-5451	2130	LF	0.14	SOLID TRAFFIC STRIPE, 5 IN, WHITE	298.20
652-6501	1065	GLF	0.18	SKIP TRAFFIC STRIPE, 5 IN, WHITE	191.70
654-1001	30	EA	3.57	RAISED PVMT MARKERS TP 1	107.10

657-1054	300	LF	3.54	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	1062.00
657-3054	150	GLF	2.72	PREFORMED PLASTIC SKIP PVMT MKG, 5 IN, WHITE, TP PB	408.00
Section Sub Total:					\$2,067.00

Section BRIDGE

Item Number	Quantity	Units	Unit Price	Item Description	Cost
540-1101	Lump	LS	168000.00	REMOVAL OF EXISTING BR, STA NO - 110+48.88	168000.00
543-9000	Lump	Lump Sum	640000.00	CONSTRUCTION OF BRIDGE COMPLETE	640000.00
603-2024	900	SY	51.09	STN DUMPED RIP RAP, TP 1, 24 IN	45981.00
603-7000	900	SY	4.24	PLASTIC FILTER FABRIC	3816.00
Section Sub Total:					\$857,797.00

Total Estimated Cost: \$1,215,506.14

Subtotal Construction Cost \$1,215,506.14

E&C Rate 10.0 % \$121,550.61

Inflation Rate 0.0 % @ 0.0 Years \$0.00

Total Construction Cost \$1,337,056.75

Right Of Way \$0.00

Relmb. Utilities \$0.00

Grand Total Project Cost \$1,337,056.75

QUERY SUMMARY
For Year(s): 2003,2004,2005,2006

Year	County	Route Type	Route Number	Beginning Milelog	Ending Milelog	No. Accidents	No. Vehicles	No. Injuries	No. Fatalities
2003	Mitchell	County Road	030700	10.00	11.00	0	0	0	0
2003	Mitchell	County Road	023200	.86	.86	0	0	0	0
2003	Mitchell	County Road	027700	.00	.00	0	0	0	0
<i>2003 SubTotal</i>						0	0	0	0
2004	Mitchell	County Road	030700	10.00	11.00	0	0	0	0
2004	Mitchell	County Road	023200	.86	.86	0	0	0	0
2004	Mitchell	County Road	027700	.00	.00	0	0	0	0
<i>2004 SubTotal</i>						0	0	0	0
2005	Mitchell	County Road	030700	10.00	11.00	0	0	0	0
2005	Mitchell	County Road	023200	.86	.86	0	0	0	0
2005	Mitchell	County Road	027700	.00	.00	0	0	0	0
<i>2005 SubTotal</i>						0	0	0	0
2006	Mitchell	County Road	030700	10.00	11.00	0	0	0	0
2006	Mitchell	County Road	023200	.86	.86	0	0	0	0
2006	Mitchell	County Road	027700	.00	.00	0	0	0	0
<i>2006 SubTotal</i>						0	0	0	0
All Year(s)Total						0	0	0	0

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE Mitchell County,
BRG-0005-00(873),
PI # 0005873
BRG-0005-00(876),
PI # 0005876
BRG-0005-00(877),
PI # 0005877

OFFICE Environment/Location

DATE May 3, 2004

FROM Harvey Keeper, State Environment/Location Engineer

TO David Grim, District Engineer
Attn. Jeff Bridges

SUBJECT Traffic Volume for Old Highway 3/CR 307 Over Raccoon Creek Overflow

Traffic Volume for the above project is attached below:

2003 ADT = 1050
2010 ADT = 1200
2030 ADT = 1700
D = 60%
K = 10%
T = 10.5%
24 HR. T. = 12%
S.U. = 6%
COMB. = 6%

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

Bridge Inventory Data Listing

Georgia Department of Transportation

Structure ID: 205-0005-0 Mitchell SUFF. RATING: 49.56

Location & Geography	Signs & Attachements
* Structure ID: 205-0005-0	* 104 Highway System: 0
200 Bridge Information: 06	225 Expansion Joint Type: 02
* 6A Feature Int: WETHINGTON SLOUGH	* 26 Functional Classificati 07
* 6B Critical Bridge: 0	* 204 Federal Route Type: S No. 01790
* 7A Route Number Carried: CR00307	105 Federal Lands Highway: 0
* 7B Facility Carried: OLD HIGHWAY 3	* 110 Truck Route: 0
* 9 Location: APP 1.2 MI S OF BACONTON	206 School Bus Route: 0
2 DOT District: 4	217 Benchmark Elevation: 0200.00
207 Year Photo: 2004	218 Datum: 1
* 91 Inspection Frequency: 24 Date: 07/28/2004	* 19 Bypass Length: 02
92A Fract Crit Insp Freq: 00 Date: 02/01/1901	* 20 Toll: 3
92B Underwater Insp Freq: 00 Date: 02/01/1901	* 21 Maintenance: 02
92C Other Spc. Insp Freq: 00 Date: 02/01/1901	* 22 Owner: 02
* 4 Place Code: 00000	* 31 Design Load: 2
* 5 Inventory Route (O/U): 1	37 Historical Significance: 2
Type: 4	205 Congressional District: 02
Designation: 1	27 Year Constructed: 1921
Number: 01790	106 Year Reconstructed: 0000
Direction: 0	33 Bridge Median: 0
* 16 Latitude: 31 - 21.6 HMMS Prefix:	34 Skew: 00
* 17 Longitude: 84 - 10.3 HMMS Suffix: MP: 0.00	35 Structure Flared: 0
98 Border Bridge: 000 % Shared: 00	38 Navigation Control: 0
99 ID Number: 0000000000000000	213 Special Steel Design: 0
* 100 STRAHNET: 0	267 Type of Paint: 0
12 Base Highway Network: 1	* 42 Type of Service on: 1
13A LRS Inventory Route: 2052030700	Type of Service under: 5
13B Sub Inventory Route: 0	214 Movable Bridge: 0
101 Parallel Structure: N	203 Type Bridge: A O A O
* 102 Direction of Traffic: 2	259 Pile Encasement: 3
* 264 Road Inventory Mile Post: 009.94	* 43 Structure Type Main: 1 01
* 208 Inspection Area: 11 Initials: JWH	45 No. Spans Main: 006
Engineer's Initial: jal	44 Structure Type Appr: 0 00
	46 No. Spans Appr: 0000
	226 Bridge Curve Horz: 0 Vert: 0
* Location I.D. No.: 205-01790F-024.00N	111 Pier Protection: 0
	107 Deck Structure Type: 2
	108 Wearing Surface Type: 6
	Membrane Type: 0
	Deck Protection: 0

Bridge Inventory Data Listing

Georgia Department of Transportation

Structure ID: 205-0005-0 Mitchell SUFF. RATING: 49.56

Programming Data

201 Project No.: FAP 95
 202 Plans Available: 4
 249 Prop. Proj. No. BRG-0005-00 (876)
 250 Approval Status: 0 0 0 0
 251 P.I. No.: 0005876
 252 Contract Date: 02/01/2008
 260 Seismic No.: 00000
 75 Type Work: 31 1
 94 Bridge Imp. Cost: \$ 141
 95 Roadway Imp. Cost: \$ 60
 96 Total Imp Cost: \$ 234
 76 Imp. Length 000307
 97 Imp. Year: 1990
 114 Future ADT: 001335 Year: 2023

Hydraulic Data

215 Waterway Data
 Highwater Elev.: 0193.7 Year: 1979
 Flood Elevation: 0000.0 Freq.: 00
 Avg. Streambed Elev.: 0186.8
 Drainage Area: 00000
 Area of Opening: 000800
 113 Scour Critical: U
 216 Water Depth: 02.0 Br. Height: 11.5
 222 Slope Protection: 0
 221 Spur Dikes Rear: 0 Fwd: 0
 219 Fender System 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No. Barrels: 0
 * Width: 0.00 Height 0.00
 * Length: 0 Apron: 0
 265 U/W Insp. Area: 0 Diver: ZZZ
 Location I.D. No.: 205-01790F-024.00N

Measurements

* 29 ADT: 000890 Year: 2003
 109 % Trucks: 10
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0016
 * 49 Structure Length: 96
 51 Br. Rwdy. Width: 18.00
 52 Deck Width: 20.40
 * 47 Tot. Horiz. Cl: 18.00
 50 Curb / Sidewalk Width: 0.50 / 0.50
 32 Approach Rdwy. Width: 018
 * 229 Shoulder Width:
 Rear Lt: 6.00 Type: 8 Rt: 6.00
 Fwd Lt: 6.00 Type: 8 Rt: 6.00
 Pavement Width:
 Rear: 18.00 Type: 2
 Fwd: 18.00 Type: 2
 Intersection Rear: 0 Fwd: 0
 36 Safety Features Br. Rail: 2
 Transition: 0
 App. G. Rail: 0
 App. Rail End: 0
 53 Minimum Cl. Over: 99 ' 99 "
 Under: N 00 ' 00 "
 * 228 Minimum Vertical Cl
 Act. Odm Dir: 99 ' 99 "
 Oppo. Dir: 99 ' 99 "
 Posted Odm. Dir: 00 ' 00 "
 Oppo. Dir: 00 ' 00 "
 55 Lateral Undercl. Rt: N 99.90
 56 Lateral Undercl. Lt: 0.00
 * 10 Max Min Vert Cl: 99 ' 99 " Dir: 0
 39 Nav Vert Cl: 000 Horiz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 15.00
 Deck Thick. Approach: 0.00
 246 Overlay Thickness: 6.00
 212 Year Last Painted: Sup: 0000 Sub: 0000

Ratings

65 Inventory Rating Method: 2
 63 Operating Rating Method 2
 66 Inventory Type: 2 Rating: 21
 64 Operating Type: 2 Rating: 35
 231 Calculated Loads
 H-Modified: 13 0
 HS-Modified: 23 0
 Type 3: 15 0
 Type 3s2: 27 0
 Timber: 21 0
 Piggyback: 00 0
 261 H Inventory Rating: 12
 262 H Operating Rating: 20
 67 Structural Evaluation: 5
 58 Deck Condition: 5
 59 Superstructure Condition: 5
 * 227 Collision Damage: 0
 60A Substructure Condition: 5
 60B Scour Condition: 8
 60C Underwater Condition: N
 71 Waterway Adequacy: 6
 61 Channel Protection Cond 4
 68 Deck Geometry: 2
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 8
 62 Culvert: N
Posting Data
 70 Bridge Posting Required: 5
 41 Struct Open, Posted, CL: P
 * 103 Temporary Structure: 0
 232 Posted Loads
 H-Modified: 13
 HS-Modified: 00
 Type 3: 15
 Type 3s2: 00
 Timber: 21
 Piggyback: 00
 253 Notification Date: 02/01/1901
 258 Fed Notify Date: 02/01/1901

Department of Transportation State of Georgia

Concept Meeting Minutes October 11, 2006

Project No. BRG-0005-00(873) Mitchell Co., PI 0005873
BRG-0005-00(876) Mitchell Co., PI 0005876
BRG-0005-00(877) Mitchell Co., PI 0005877

Description Bridge Replacement: CR 307 @ Raccoon Creek Overflow,
Wethington Slough & Raccoon Creek

A Concept Team Meeting was held for the subject projects on October 11, 2006. The meeting was requested and conducted by Ralph S. Griffin, District Design Engineer. The meeting was held at the GDOT District Office in Tifton and began at 10:00 am. Mr. Griffin told everyone in attendance that all three of the above projects would be discussed at the same meeting instead of holding three separate meetings because of the close proximity of the projects. A sign in sheet was passed around and will be made a part of the Draft Concept Report. The meeting began with Basil Dahman, District Design Squad Leader, reviewing the Draft Concept Reports and Need & Purpose Statements for the three projects.

Joe Burns, District Environmentalist stated that the level of environmental analysis would be a Programmatic 4-F Categorical Exclusion that includes an AOE & MOA. He also stated that a possible USACOE 404 Nationwide 23 permit would be needed if wetland or stream impacts exist but at the time of the field review the streams were dry. Mr. Burns said that the main issue would be History for the project and that there were no underground storage tanks, hazardous waste tanks, church or cemetery within the project limits. Mr. Burns stated that the three bridges would probably require Kansas Coral railings for SHPO to determine a finding of "Conditional No Adverse Effects" for the roadway and bridges. An Archaeological and Endangered Species survey will have to be conducted on the three projects. This project will also require a PIOH detour meeting.

Ken Cheek, Utility Engineer, confirmed the presence of Georgia Power easement, he also stated that the Mitchell EMC representative said they have an easement inside the project limits that are not shown on the display and that he will try to confirm its location. He also stated that an ELA will be needed for Georgia power easement.

Tim Warren, District Utilities Engineer furnished a Utility Cost Estimate for the project. Mitchell EMC power and Bellsouth are the facilities located within the project limits. Mitchell EMC has a reimbursable cost of \$21,000.00 with no Non-reimbursable costs. Bellsouth has a reimbursable cost of \$3,018.75 with no Non-reimbursable costs.

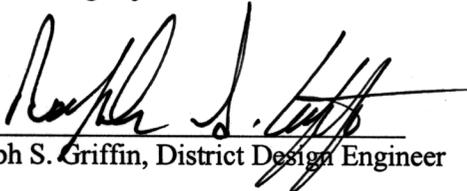
would determine how to provide access. Mr. Gay also asked if the super elevation on the alignment north Raccoon Creek would meet standards. Mr. Gay reminded the designers to include the taper to transition the existing 9' lanes to the proposed 12' lanes at the beginning and end of the projects.

Tony Cravey, Albany area engineer, asked if the northern bridge, Raccoon Creek, could be constructed first.

Bennett Adams, Mitchell County, stated that he was glad to see activity on projects that are in Mitchell County.

At this time the meeting was opened to comments or suggestions, there were none.

The meeting adjourned around 10:35 am.



Ralph S. Griffin, District Design Engineer



Department of Transportation

State of Georgia
#2 Capitol Square, S.W.
Atlanta, Georgia 30334-1002

J. TOM COLEMAN, JR.
COMMISSIONER
(404) 656-5206

FRANK L. DANCHETZ
CHIEF ENGINEER
(404) 656-5277

HAROLD E. LINNENKOHL
DEPUTY COMMISSIONER
(404) 656-5212

EARL L. MAHFUZ
TREASURER
(404) 656-5224

July 31, 2003

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, MITCHELL County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BRG-0005-00(876) Mitchell Co., PI # 0005876: BRIDGES OLD HIGHWAY 3/CR 307 OVER WETHINGTON SLOUGH

- Provide all rights-of-way and/or easements needed for the construction of the project and remove existing structures or obstructions within the rights-of-way.*
- Make all utility relocations, adjustments or betterments of publicly owned utilities that are in conflict with construction of this project. Reimburse Georgia D.O.T. for any damages paid to the contractor for delay of construction caused by a delay in relocating the publicly owned utilities.*
- Relocate or adjust all privately owned utilities to clear construction of this project, including adjustments at railroad crossings if required.*
- Furnish detours, local borrow and waste pits as needed.*
- We support this project but choose not to commit any funding, realizing this may delay the project until additional funding can be found.*

This 12th day of August, 20 03

APPROVED Benjamin Hayward

City/County Official

9/8/03
Copy to:
Utilities
Design
Files



Department of Transportation

State of Georgia
#2 Capitol Square, S.W.
Atlanta, Georgia 30334-1002

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TREASURER
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July 31, 2003

Mr. Benjamin Hayward
Commission Chairman, MITCHELL County
P.O. Box 187
Camilla, GA 31730

Dear Commission Chairman Hayward:

SUBJECT: LOCAL GOVERNMENT PROJECT AGREEMENT

Project No. BRG-0005-00(876) Mitchell Co. PI# 0005876
BRIDGES OLD HIGHWAY 3/CR 307 OVER WETHINGTON SLOUGH

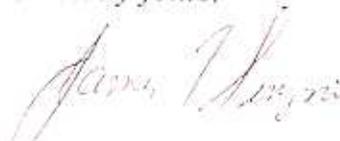
The Office of Financial Management has added the subject project to the Department's Construction Work Program. MITCHELL County is requested to indicate support of this project by executing the attached Local Government Agreement and returning it to this office.

Any project not contained in the Transportation Improvement Plan (TIP) for your area and/or the Statewide Plan (STIP) will be submitted for addition. This action is required by Federal law in the Transportation Equity Act for the 21st Century (TEA-21). TEA-21 also requires that the cost of the projects in the TIP/STIP be balanced with available Federal funds.

If you choose not to commit to this project it may be delayed until additional funding can be found. If you commit but later are unable to keep this commitment or if you do not respond, this project will be delayed until it can be rescheduled in the TIP/STIP. The longer you wait to commit, the longer the project will be delayed. TEA-21 requires long range planning.

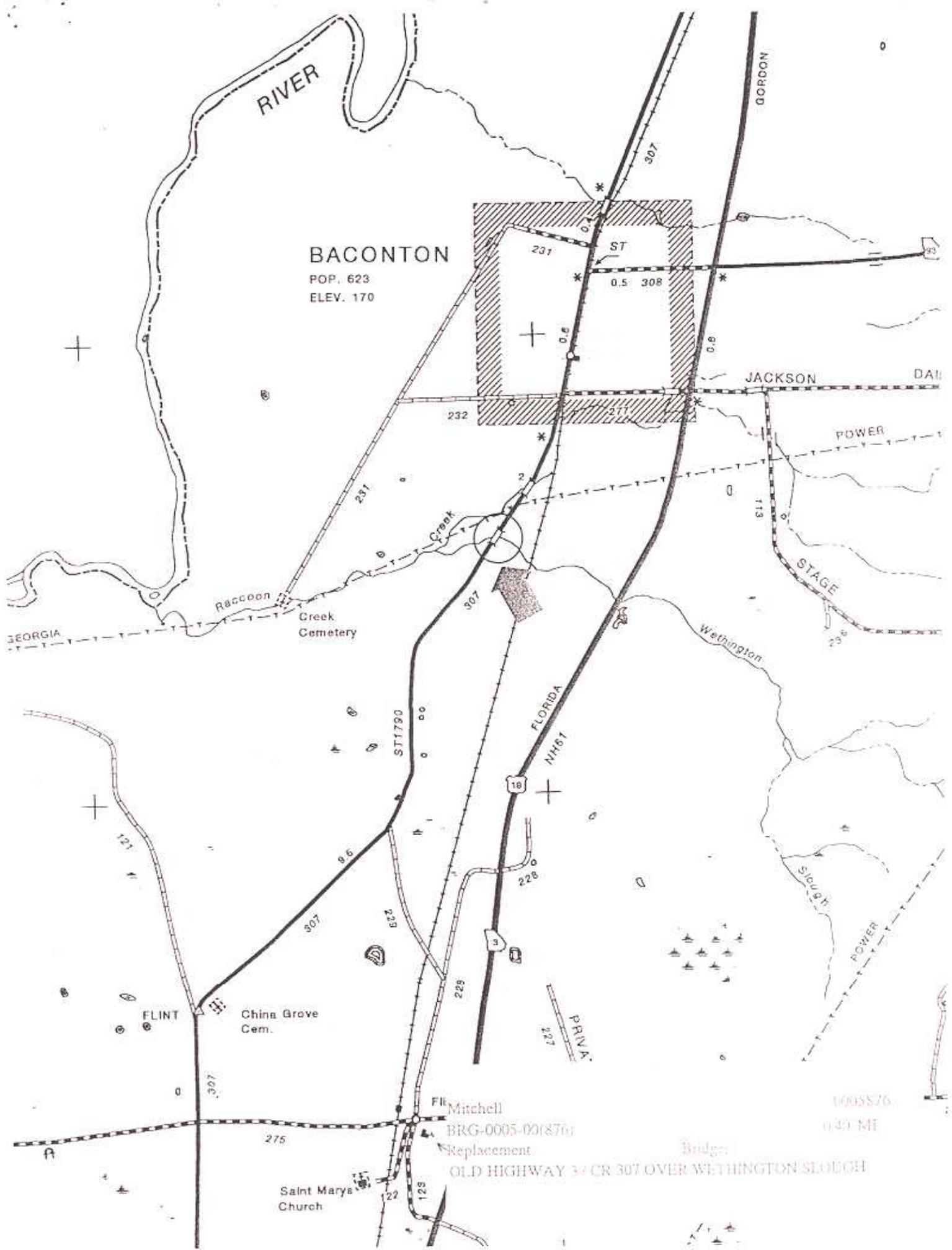
If you have any questions, feel free to call me at (404) 463-0966 or David Crim, District Engineer in Tifton at your convenience.

Sincerely yours,


Percy Middlebrooks P. E.
Office of Financial Management Administrator

PBM/kp
Attachment
cc: David Crim
Tifton District

8/6/03
Copy to:
Utilities
File



BACONTON

POP. 623
ELEV. 170

File Mitchell
BRG-0005-00(876)
Replacement

OLD HIGHWAY 307 CR 307 OVER WETHINGTON SLOUGH

Bridge:

1005876
0.40 MI

Saint Marys
Church

China Grove
Cem.

FLINT

JACKSON

DAI

STAGE

POWER

POWER

Wethington

FLORIDA
NH61

18

3

PRIN

307

307

0.6

ST1790

Raccoon

Creek
Cemetery

232

0.5 308

307

113

236

307

275

122

123

121

231

231

231

RIVER

GORDON

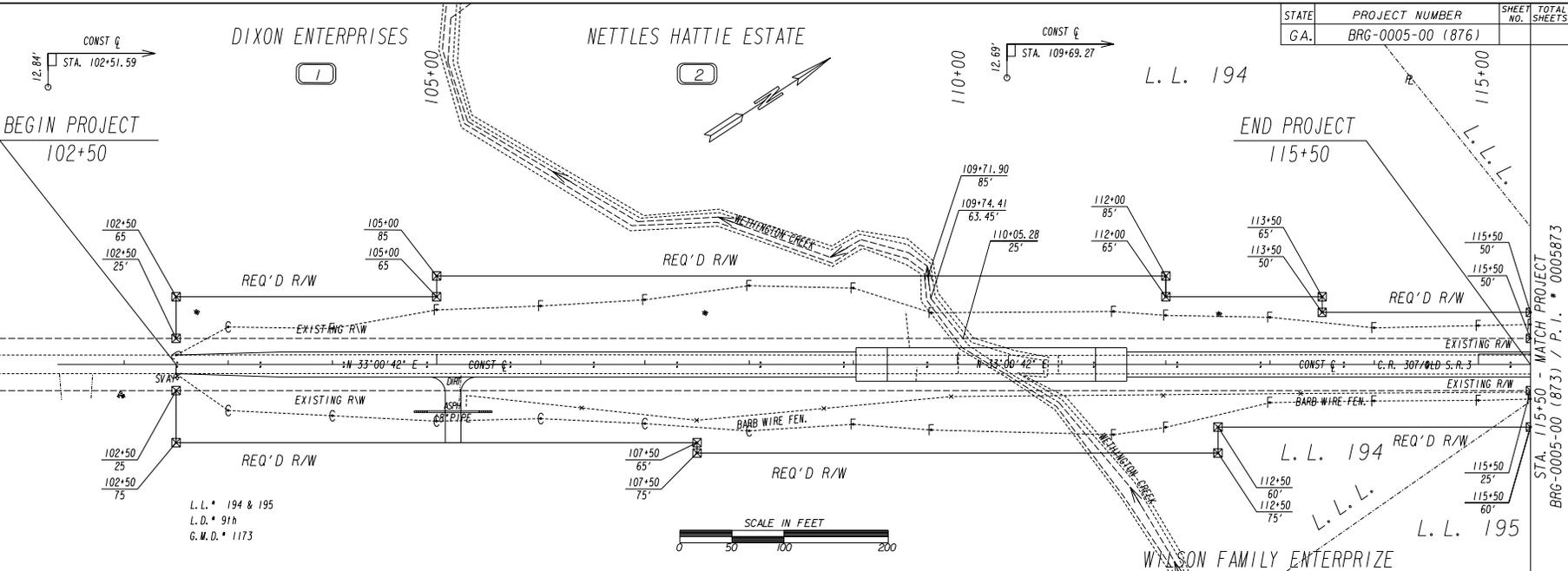
GEORGIA



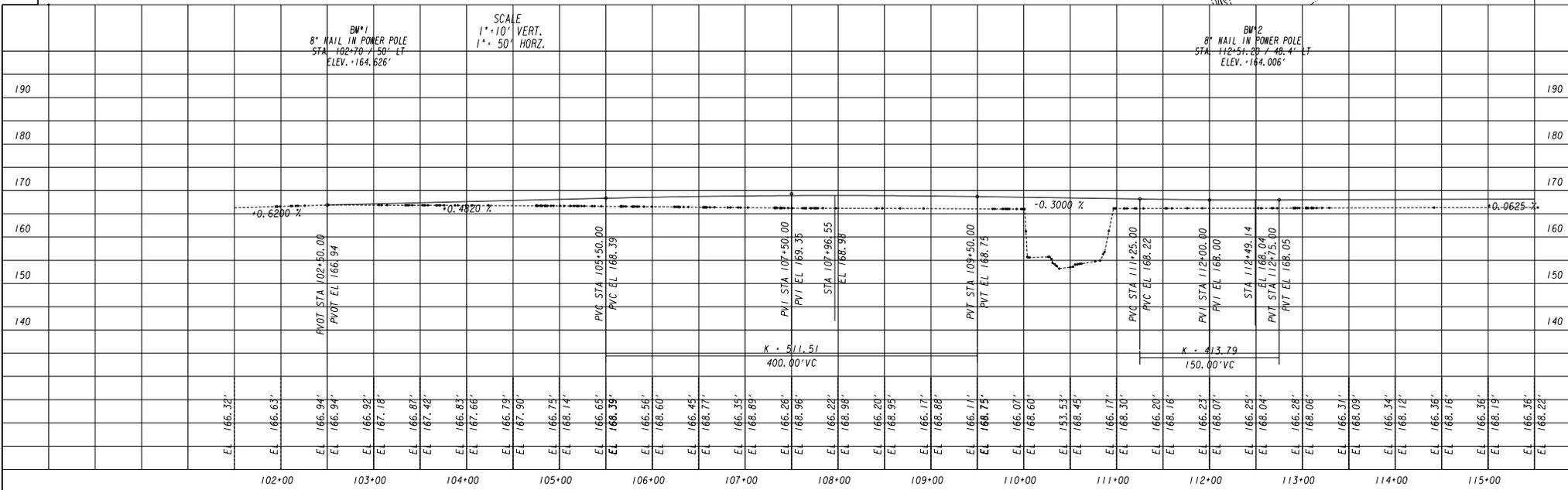
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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
G.A.	BRG-0005-00 (876)		



BM#1
 8" NAIL IN POWER POLE
 STA. 102+70 / 50' LT
 ELEV. 164.826'

SCALE
 1" = 10' VERT.
 1" = 50' HORZ.

BM#2
 8" NAIL IN POWER POLE
 STA. 112+51.20 / 48.4' LT
 ELEV. 164.006'

STA. 115+50 - MATCH PROJECT BRG-0005-00 (873) / P.I. # 0005873