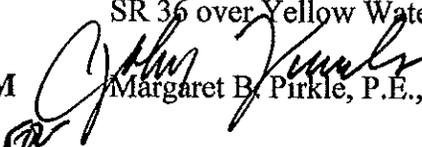


D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** P. I. No. 333171, Butts County **OFFICE** Preconstruction  
BRST-054-1(65)  
SR 36 over Yellow Water Creek **DATE** August 22, 2005

**FROM**  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

MBP/cj

Attachment

**DISTRIBUTION:**

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

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

---

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P.I. No. 333171, Butts County **OFFICE** Preconstruction  
BRST-054-1(65)  
SR 36 over Yellow Water Creek **DATE** August 9, 2005

**FROM** *John Kunkel*  
Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

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

**SUBJECT** PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on SR 36 over Yellow Water Creek, 0.76 mile north of the city limits of Jackson, Georgia. The existing bridge, constructed in 1949, is load limited with a sufficiency rating of 47. The original design load capacity is H-15. In accordance with DOT MOG 2405-1, the existing bridge meets the established criteria for replacement. State Route 36 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. This section of SR 36 is functionally classified as a rural minor arterial. Traffic is projected to be 7,500 VPD and 11,000 VPD in the years 2009 and 2029 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to construct a new 100' x 44' concrete bridge over Yellow Water Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 10' rural shoulders (2' paved). Traffic will be maintained during construction utilizing an on-site detour.

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

The estimated costs for this project are:

|  | <u>PROPOSED</u> | <u>APPROVED</u> | <u>FUNDING</u> | <u>PROG DATE</u> |
|--|-----------------|-----------------|----------------|------------------|
| Construction (includes E&C<br>and inflation) | \$1,892,000     | \$1,100,000     | Q10            | 2010             |
| Right-of-Way                                 | \$ 47,000       | \$ 251,000      |                |                  |
| Utilities*                                   | \$ 85,000       | -----           |                |                  |

\*Butts County signed LGPA for utilities 8-2-99; rescission letter sent to Butts County 2-25-03.

David Studstill

Page 2

P. I. No. 333171, Butts

August 9, 2005

I recommend this project concept be approved.

MBP:JDQ/cj

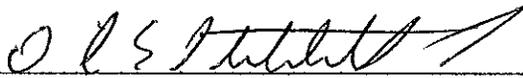
Attachment

CONCUR



Buddy Gratton, P.E., Director of Preconstruction

APPROVE



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

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

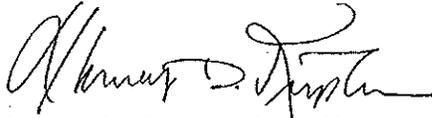
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**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** P.I. No. 333171

**OFFICE:** Environment/Location

**DATE:** August 19, 2005



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

**TO:** Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

**SUBJECT:** PROJECT CONCEPT REPORT  
BRST-054-1(65) / Butts County



The above subject concept report has been reviewed. This Office has no comment at this time.

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

HDK/lc

Attachment

cc: Brian Summers, Project Review Engineer  
Thomas Howell, District 3 Engineer

Project Concept Report page 2  
Project Number: BRST-054-1(65)  
P. I. Number: 333171  
County: BUTTS

**Recommendation for approval:**

DATE 7/29/05 William J. Pountree  
Project Manager  
DATE 7/29/05 J. H. Hawes  
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 Financial Management Administrator

DATE \_\_\_\_\_  
State Environmental / Location Engineer

DATE \_\_\_\_\_  
Project Review Engineer

DATE \_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE 8/10/05 Paul V. Telle Jr.  
State Bridge & Structural Engineer (Bridge or Wall Projects)

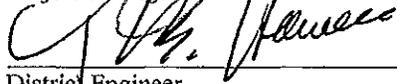
Project Concept Report page 2  
Project Number: BRST-054-1(65)  
P. I. Number: 333171  
County: BUTTS

**Recommendation for approval:**

DATE 7/29/05

  
Project Manager

DATE 7/29/05

  
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).

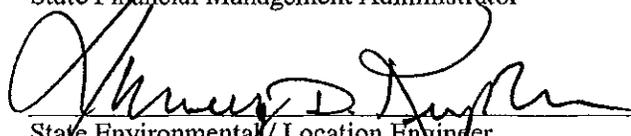
DATE \_\_\_\_\_

State Transportation Planning Administrator

DATE \_\_\_\_\_

State Financial Management Administrator

DATE 8.18.05

  
State Environmental / Location Engineer

DATE \_\_\_\_\_

Project Review Engineer

DATE \_\_\_\_\_

State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

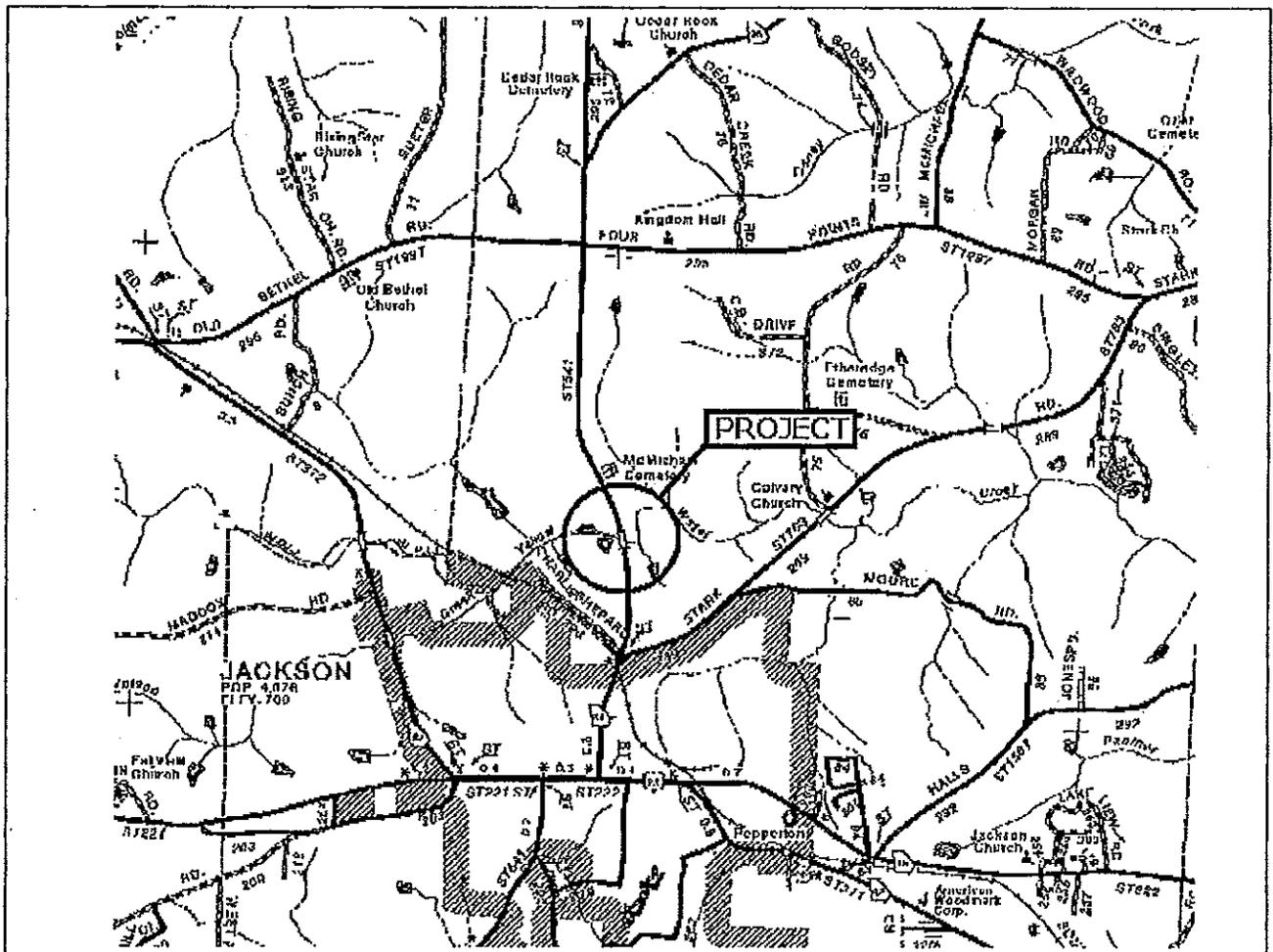
State Bridge & Structural Engineer (Bridge or Wall Projects)

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF DISTRICT THREE DESIGN

# PROJECT CONCEPT REPORT

BRST-054-1(65)  
(BUTTS COUNTY)  
(P.I. NO. 333171)

FEDERAL ROUTE NO: NA  
STATE ROUTE NO: 36



Project Concept Report page 2  
Project Number: BRST-054-1(65)  
P. I. Number: 333171  
County: BUTTS

**Recommendation for approval:**

DATE 7/29/05

DATE 7/29/05

William J. Dumble  
Project Manager  
C. J. Hesse  
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 Financial Management Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Environmental / Location Engineer

DATE \_\_\_\_\_

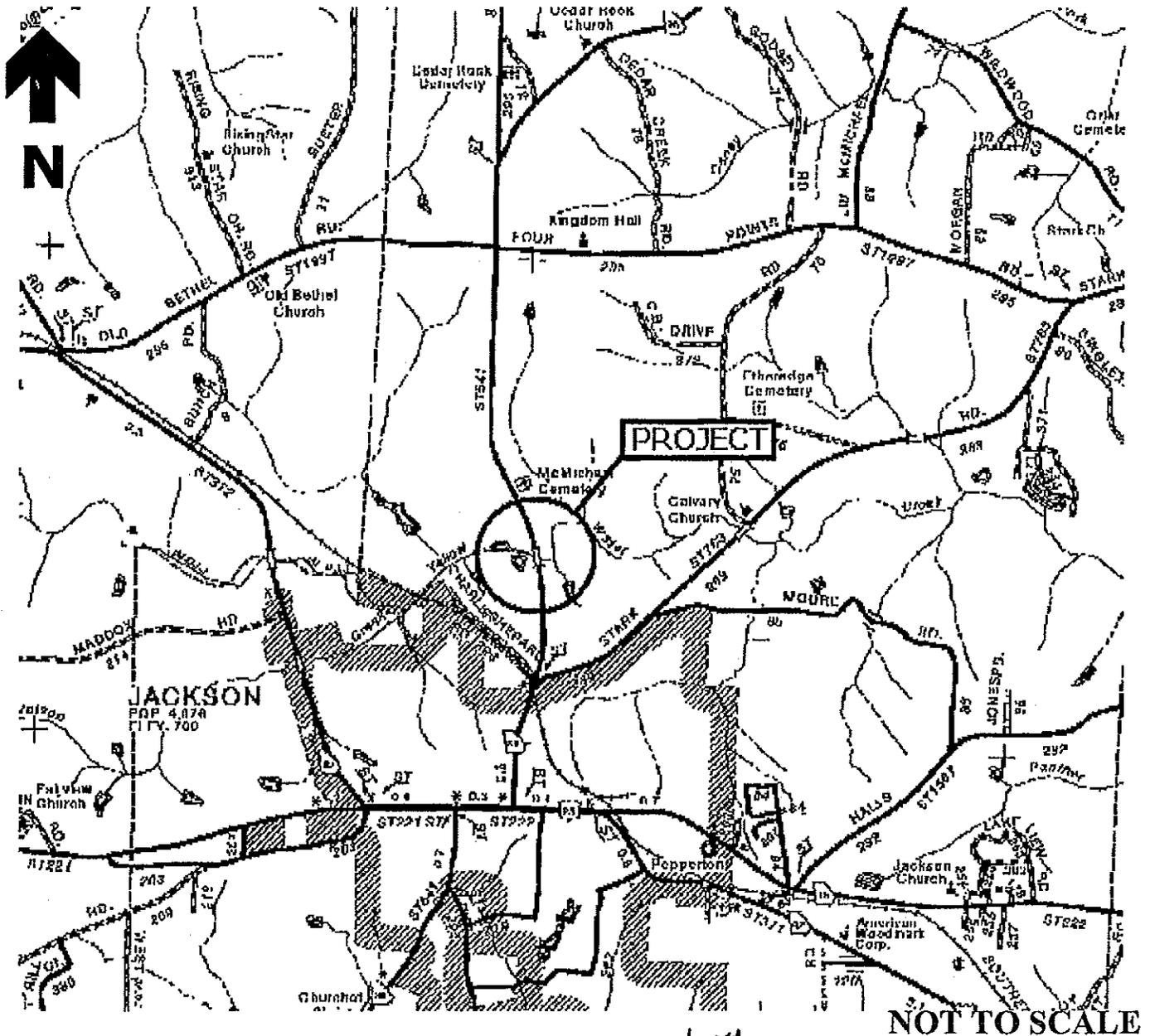
\_\_\_\_\_  
Project Review Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge & Structural Engineer (Bridge or Wall Projects)



**Bridge Replacement at Yellow <sup>WATER</sup>Creek on SR 36**

**0.76 miles north of the City Limits of Jackson, Georgia**

Project Concept Report page 4  
Project Number: BRST-054-1(65)  
P. I. Number: 333171  
County: BUTTS

## **Need and Purpose:**

### **Background**

In 1999, the Department performed an evaluation all bridges on the State Highway System having H-Piles that are 10 inches or smaller. The purpose of this evaluation was to locate those bridges that are structurally deficient due to load capacity. As a result of this evaluation, 158 bridges on the State Highway System were classified as structurally deficient, including the SR 36 Bridge over the Yellow Water Creek. Based on this evaluation, the bridge has been classified as structurally deficient due to load capacity and needs to be replaced.

### **Facility Overview and Operational Characteristics**

The SR 36 Bridge over Yellow Water Creek was constructed in 1949. This section of SR 36 in Butts County is a two lane road having one 12 foot lanes in each direction. This facility is classified as rural minor arterial and carried an Average Annual Daily Traffic (AADT) volume of 5,100 in 2002. Fifteen percent of the AADT is estimated to be trucks. This portion of Butts County is beginning to experience increasing residential growth due to its proximity to the Atlanta Metropolitan Area. This portion of SR 36 is utilized as a school bus route.

During the last 10 years, travel along SR 36 has increased at an average rate of 5% and traffic is projected to increase to as much as 11,000 AADT by the year 2024. The projected volumes approach the Level of Service that may require future widening of SR 36 to handle projected traffic. It is recommended that the bridge be constructed to accommodate any future widening.

### **Logical Termini**

The proposed bridge replacement will tie in to the existing roadway and no additional roadway work is anticipated. The estimated length of the project is estimated to be 0.45 miles. There are no proposals to widen SR 36 in the vicinity of the bridge at the present time and the bridge replacement is a stand alone project.

### Safety

No accidents have been reported in the vicinity of the bridge during the years 2000, 2001 and 2002. However, this section of SR 36 has experienced accidents that are higher than the statewide average during this period. There were no fatalities along the link of SR 36 which includes the bridge. Below is a table showing accident information for this link of SR 36.

|  | 2000 | 2001 | 2002 |
|--|------|------|------|
| Total Accidents                                | 2    | 7    | 5    |
| Accidents per 100 MVMT                         | 68   | 232  | 126  |
| Statewide Accidents Per 100 MVMT               | 182  | 186  | 199  |
| Accident % Higher/Lower that Statewide Average | -63% | +24% | -37% |

No accidents occurred in the immediate vicinity of the bridge and the majority of accidents did not involve another vehicle.

### Community Characteristics

The project is located in Butts County on SR 36 between the City of Jackson and the Newton County line. Butts County is not currently included in the Atlanta Metropolitan Region. Butts County is excluded from the present non-attainment area but it is included in the area designated for future non-attainment for air quality. The Butts County 2000 census data show that the population for the county is 69.2% white, 28.2% black or African American and 2% other races. The Butts County income statistics indicate that 11.5% of the population is below the poverty level as compared to 13% for the State of Georgia as a whole.

### Need and purpose

The purpose of this project is to replace a structurally deficient bridge. The proposed improvement will improve the safe operation of SR 36 by providing a bridge that meets current AASHTO geometric design standards and will serve current and future traffic.

Project Concept Report page 6  
Project Number: BRST-054-1(65)  
P. I. Number: 333171  
County: BUTTS

**Description of the proposed project:** The proposed project is to begin at mile post 10.10 and end at mile post 10.55 for a length of 2400 feet. The project is 0.76 miles north of the city limits of Jackson, Georgia. The project will have an on site detour and it will keep two lanes open to traffic. A 100' x 44' bridge is proposed to replace the existing structurally deficient bridge. The proposed bridge will improve the safe operation of SR 36. The bridge will meet AASHTO geometric design standards and will serve current and future traffic.

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

**PDP Classification:** Major  Minor   
**Federal Oversight:** Full Oversight , Exempt , State Funded , or Other

**Functional Classification:** RURAL MINOR ARTERIAL

**U. S. Route Number(s):** NONE **State Route Number(s):** 36

**Traffic (AADT):**  
Current Year: (2009) 7500 Design Year: (2029) 11,000

$K = 10\%$

$D = 60\%$

$T = 6\%$

24 HR T = 8.5%

**Existing design features:**

- Typical Section: Two lane road with 12' lanes, 4' shoulders (2' paved & 2' grass) and rural ditches. No sidewalks are existing at the site.
- Posted speed 55 mph Radius of curve: 1910 ft Minimum Radius of curve: 965 ft
- Maximum grade: 6% mainline %
- Width of right of way: 100 ft.
- Major structures: BRIDGE 035-0007-0, 81'x 30.3', sufficient rating = 47.47
- Major interchanges or intersections along the project: None
- Existing length of roadway segment and the beginning mile logs 10.10 and ends at mile logs 10.55 for existing length of roadway of 2400 feet.

**Proposed Design Features:**

- Proposed typical section(s): Two lanes 12' wide with 10' shoulders. 2' paved shoulders and 8' grass shoulders with rural ditches. No sidewalks are proposed.
- Proposed Design Speed Mainline 55 mph
- Proposed Maximum grade Mainline 5 %      Maximum grade allowable 5 %.
- Proposed Maximum grade Side Street N/A %      Maximum grade allowable N/A %.
- Proposed Maximum grade driveway 15 %
- Alternate 1: Radius of curve: 1910 ft      Minimum Radius of curve: 965 ft
- Alternate 2: Radius of curve: 2292 ft      Minimum Radius of curve: 965 ft
- Alternate 3: Radius of curve: 1910 ft      Minimum Radius of curve: 965 ft
- Right of way Alternate 1:
  - Width 150 FT
  - Easements: Temporary , Permanent , Utility , Driveway .
  - Type of access control: Full , Partial , By Permit , Other .
  - Number of parcels: 12      Number of displacements: NONE
    - Business: \_\_\_\_\_
    - Residences: \_\_\_\_\_
    - Mobile homes: \_\_\_\_\_
    - Other: \_\_\_\_\_
- Structures:
  - Proposed Bridges 100' by 44' at same location and same existing skew.
- No Major intersections and interchanges.
- Traffic control during construction: Proposed on site detour.
- Design Exceptions to controlling criteria anticipated:

|                             | <u>UNDETERMINED</u>      | <u>YES</u>               | <u>NO</u>                           |
|-----------------------------|--------------------------|--------------------------|-------------------------------------|
| 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 SIGHT 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*).

Project Concept Report page 8  
Project Number: BRST-054-1(65)  
P. I. Number: 333171  
County: BUTTS

- Environmental concerns:  
Archaeology: None anticipated

Ecology: None anticipated with the bridge over the stream (Section 404 Permits would not be needed as long as there are no wetland or stream impacts).

History: Four potential historic resources were located via windshield survey

- Two resources that are National Register eligible
  - Two resources that the historian would consider not eligible were identified. It is possible HPD may not agree with the historian's call.
  - There is a cemetery north of the project with no anticipated impact.
- Designer's response:  
Designer will align the project limits to miss all four potential historic resources found.
- Level of environmental analysis:
    - Are Time Savings Procedures appropriate? Yes , No ,
    - Categorical exclusion ,
    - Environmental Assessment/Finding of No Significant Impact (FONSI) , or
    - Environmental Impact Statement (EIS) .
  - Utility involvements: Central Georgia EMC, Bell South, Butts County Water, and Charter Communications

**Project responsibilities:**

- Design, GDOT
- Right of Way Acquisition, GDOT
- Relocation of Utilities, BUTTS COUNTY
- Letting to contract, GDOT
- Supervision of construction, GDOT
- Providing detours. GDOT

**Coordination**

- Initial Concept Meeting: N/A
- Concept meeting: Tuesday, June 28, 2005, 9:00 a.m., at District 3 Office, 715 Andrews Drive, Thomaston, Georgia.
- P. A. R. meetings: N/A
- Public involvement. No Public Information Meeting anticipated
- Local government comments. Signed Local Government Project Agreement August 2, 1999 by Harry Marett, Commission Chairman, Butts County ( See Attachment)
- Other projects in the area. Two projects that are in the long range schedule are passing lanes STP-0000-00(479) Butts – P. I. NO. 0000479 and widening project STP-054-1(48) Butts – P. I. NO. 322440.
- Railroads are not an issue at this site.

Project Concept Report page 9  
Project Number: BRST-054-1(65)  
P. I. Number: 333171  
County: BUTTS

### **Scheduling – Responsible Parties' Estimate**

- Time to complete the environmental process: 12 - 18 Months.
- Time to complete preliminary construction plans: 12 Months.
- Time to complete right of way plans: 3 Months.
- Time to complete the Section 404 Permit: 0 Months.
- Time to complete final construction plans: 9 Months.
- Time to complete to purchase right of way: 12 Months.
- List other major items that will affect the project schedule: \_\_\_\_\_ Months.

### **Other alternates considered:**

- 1) Alternate 1 – Build on site detour: Alternate 1 was considered the best alternate.
- 2) Alternate 2 – Build bridge at a new location with slight realignment of SR 36: Alternate 2 was not recommended because of the higher cost and problems with utility easements. Historians found potential historical resources and a cemetery that had conflict with the realignment for Alternate 2. The group at the Concept Meeting liked Alternate 1 better than Alternate 2.
- 3) Alternate 3 – Off site detour: Alternate 3 was not practical because of the school bus routes and heavy truck traffic that would have to make sharp turns on the offsite detour. Alternate 3 was not recommended because of concerns with coordination of the school system bus routes, heavy truck traffic and EMS emergencies routes.
- 4) Alternate 4 - No build: With the low bridge sufficiency rating this option was not deemed reasonable.

### **Attachments:**

1. Cost Estimates:
  - a. Construction including E&C,
  - b. Right of Way, and
  - c. Utilities.
2. Sketch location map
3. Typical sections,
4. Accident summaries,
5. Bridge inventory,
6. Minutes of Concept Meeting
7. LGPA's
8. NOTICE OF LOCATION AND DESIGN APPROVAL

Project Concept Report page 10  
 Project Number: BRST-054-1(65)  
 P. I. Number: 333171  
 County: BUTTS

**PRELIMINARY COST ESTIMATE ALTERNATE 1:**

PROJECT NUMBER: BRST054-01(065)

COUNTY: BUTTS

DATE: June 3, 2005

ESTIMATED LETTING DATE: Oct. 2008

PREPARED BY: Todd Repass

PROJECT LENGTH: 0.45 MILES

PROGRAMMING PROCESS  CONCEPT DEVELOPMENT  DURING PROJECT DEV.

| <b>PROJECT COST – ALTERNATE 1</b>                      |               |
|--|---------------|
| <b>A. RIGHT-TO-WAY:</b>                                |               |
| 1. PROPERTY (LAND & EASEMENT)                          | \$13,470.00   |
| 2. DISPLACEMENTS; RES: , BUS; , M.H.:                  | \$N/A         |
| 3. OTHER COST (ADM./COST, INFLATION)                   | \$33,280.00   |
| SUBTOTAL:A   | \$ 46,750.00  |
| <b>B. REIMBURSABLE UTILITIES:</b>                      |               |
| 1. TRANSMISSION LINES                                  | \$N/A         |
| 2. SERVICES  | \$ 85,000.00  |
| SUBTOTAL:B   | \$85,000.00   |
| <b>C. CONSTRUCTION:</b>                                |               |
| 1. MAJOR STRUCTURES – BRIDGE 100' x 44' (@ \$69.00/sf) | \$303,600.00  |
| a. OVERPASSES  | \$N/A         |
| b. OTHER   | \$N/A         |
| SUBTOTAL:C-1   | \$ 303,600.00 |
| <b>2. GRADING AND DRAINAGE:</b>                        |               |
| a. EARTHWORK ( 25,000 cy @ \$6.00/cy)                  | \$150,000.00  |
| b. EARTHWORK DETOUR ( 35,000 cy @ \$6.00/cy)           | \$210,000.00  |
| <b>c. DRAINAGE:</b>                                    |               |
| 1) Cross Drain Pipe (16' @ \$28.00/ft )                | \$448.00      |
| 2) Side Drain Pipe (700' @ \$28.00/ft )                | \$19,600.00   |
| 3) Flared end section ( 16 @ \$250.00)                 | \$4,000.00    |

| <b>PROJECT COST – ALTERNATE 1</b>  |  |               |
|--|--|---------------|
| SUBTOTAL:C-2   |  | \$384,048.00  |
| <b>3. BASE AND PAVING:</b>   |  |               |
| <b>a. AGGREGATE BASE</b>   |  |               |
| 1. DETOUR AGGREGATE BASE ( 4200 Ton @ \$20/Ton)                                  |  | \$84,000.00   |
| 2. MAINLINE AGGREGATE BASE ( 4620 Ton @ \$20/Ton)                                |  | \$92,400.00   |
| b. DETOUR ASPHALT PAVING: Surface ( 530 Ton @ \$50/ Ton)                         |  | \$26,500.00   |
| Binder ( 730 Ton @ \$44/ Ton)  |  | \$32,120.00   |
| Base ( 1050 Ton \$44/Ton)  |  | \$46,200.00   |
| c. MAINLINE ASPHALT PAVING: Surface ( 650 Ton @ \$50/ Ton)                       |  | \$32,500.00   |
| Binder ( 1280 Ton @ \$44/ Ton)   |  | \$56,320.00   |
| Base ( 1715 Ton \$44/Ton)  |  | \$75,460.00   |
| Leveling ( 300 Tons \$44/Ton)  |  | \$13,200.00   |
| SUBTOTAL: C-3.b. & 3.c.  |  | \$282,300.00  |
| c. OTHER (Bituminous Tack 3000 Gal @ \$ 1.00/Gal)                                |  | \$3000.00     |
| SUBTOTAL:C-3   |  | \$461,700.00  |
| <b>4. LUMP ITEMS:</b>  |  |               |
| <b>a. GRASSING</b>   |  |               |
| 1. GRASSING (4.7 ac @ \$1600.00/ac)  |  | \$7,520.00    |
| 2. GRASSING detour (2.7 ac @ \$1600.00/ac)                                       |  | \$4,320.00    |
| b. CLEARING AND GRUBBING ( 4.7 ac @ \$4000/ac)                                   |  | \$18,800.00   |
| d. EROSION CONTROL   |  | \$160,000.00  |
| e. TRAFFIC CONTROL   |  | \$28,000.00   |
| SUBTOTAL:C-4   |  | \$ 218,640.00 |
| <b>5. MISCELLANEOUS:</b>   |  |               |
| a. LIGHTING ( )  |  | \$N/A         |
| b. SIGNING - MARKING ( ft <sup>2</sup> signing material @ \$21/ft <sup>2</sup> ) |  | \$11,420.00   |
| c. GUARDRAIL – ( 1200 ft @ \$34/ft)  |  | \$40,800.00   |
| d. SIDEWALK ( yd <sup>2</sup> @ \$20/yd <sup>2</sup> )                           |  | \$N/A         |

| PROJECT COST - ALTERNATE 1                          |             |
|---|-------------|
| SUBTOTAL:C-5  | \$52,220.00 |
| 6. SPECIAL FEATURES ( Detour Bridge, 24ft x 100ft ) | \$75,000.00 |
| SUBTOTAL:C-6  | \$75,000.00 |

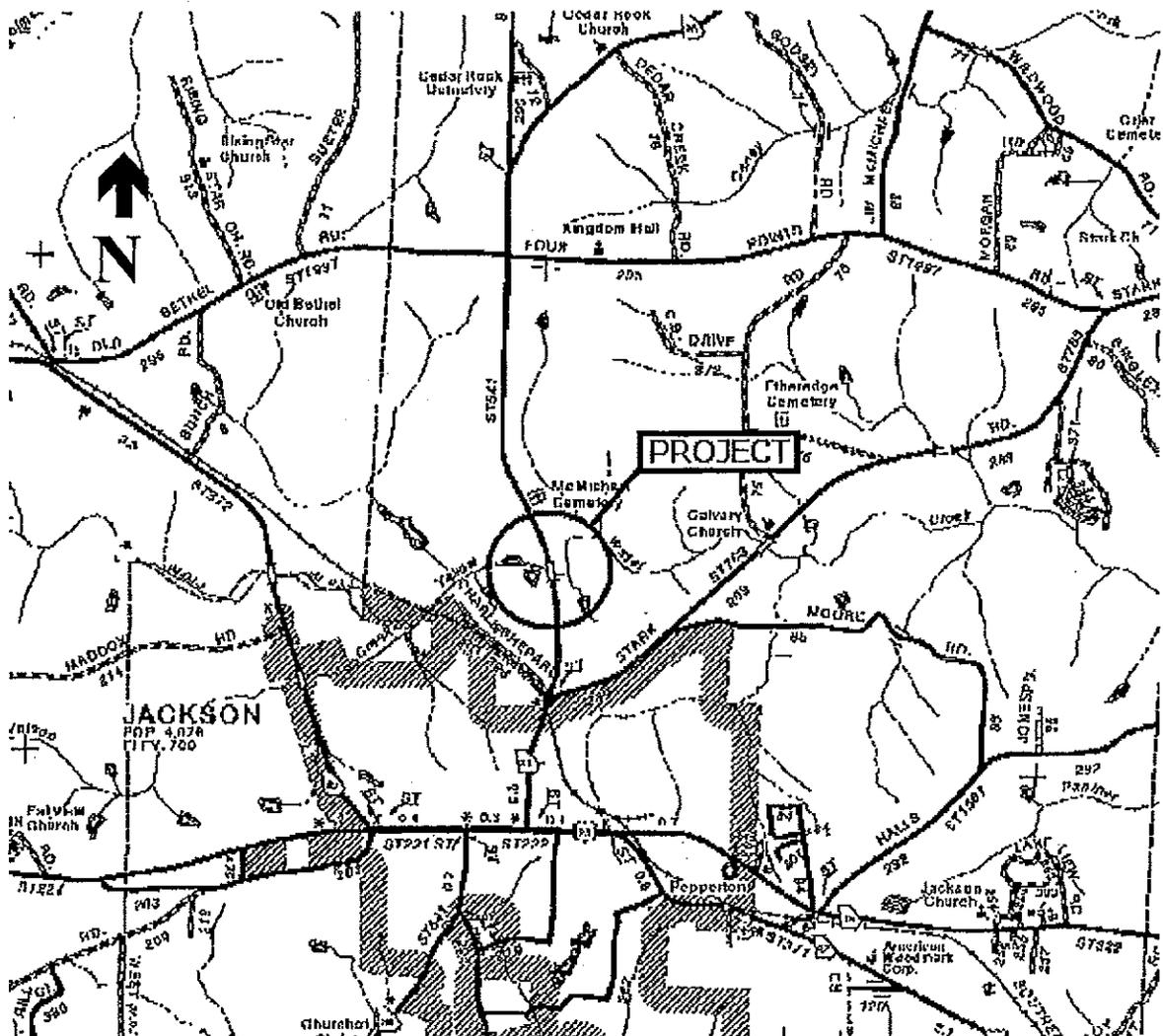
| ESTIMATE SUMMARY                |                       |
|---------------------------------|-----------------------|
| A. RIGHT-OF-WAY ( )             | \$46,750.00           |
| B. REIMBURSABLE UTILITIES       | \$85,000.00           |
| C. CONSTRUCTION                 |                       |
| 1. MAJOR STRUCTURES             | \$303,600.00          |
| 2. GRADING AND DRAINAGE         | \$384,048.00          |
| 3. BASE AND PAVING              | \$461,700.00          |
| 4. LUMP ITEMS                   | \$218,640.00          |
| 5. MISCELLANEOUS                | \$52,220.00           |
| 6. SPECIAL FEATURES             | \$75,000.00           |
| SUBTOTAL CONSTRUCTION COST      | \$1,495,208.00        |
| E. & C. (10%)                   | \$149,520.80          |
| INFLATION (5% PER YEAR)         | \$246,709.32          |
| NUMBER OF YEARS                 | 3                     |
| TOTAL CONSTRUCTION COST         | \$1,891,438.12        |
|                                 |                       |
| <b>GRAND TOTAL PROJECT COST</b> | <b>\$2,023,188.12</b> |

This project is 50 percent in congressional district 8 and 50 percent in congressional district 13.

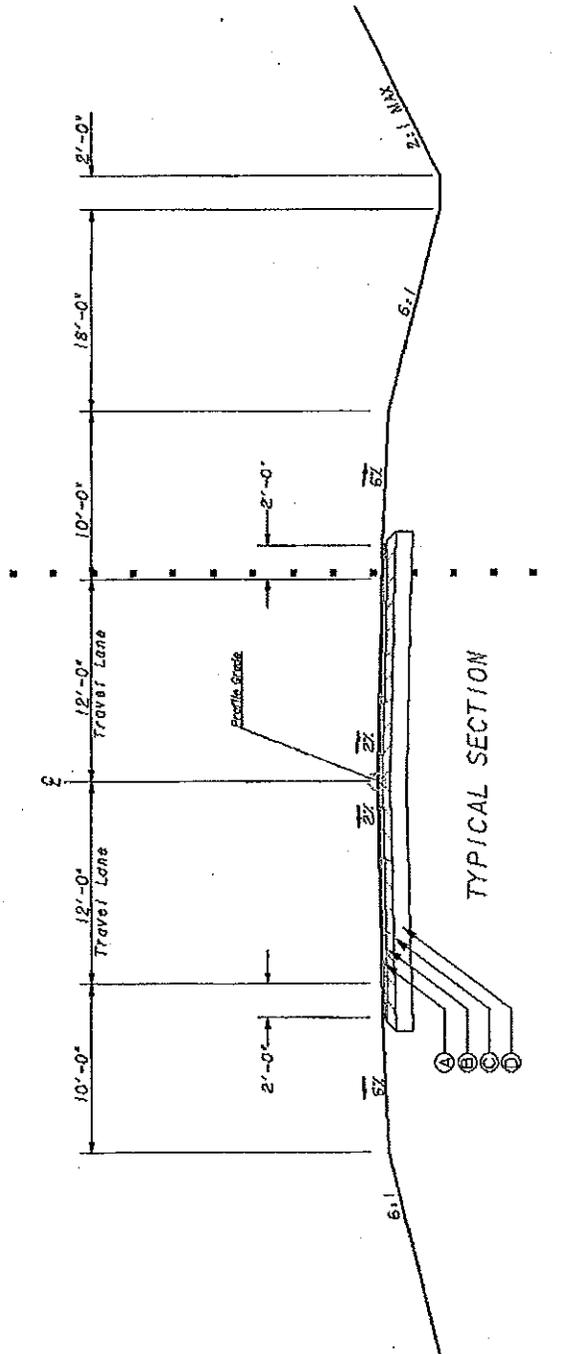
## LOCATION SKETCH

BRST-054-1(65) Butts  
PI 333171

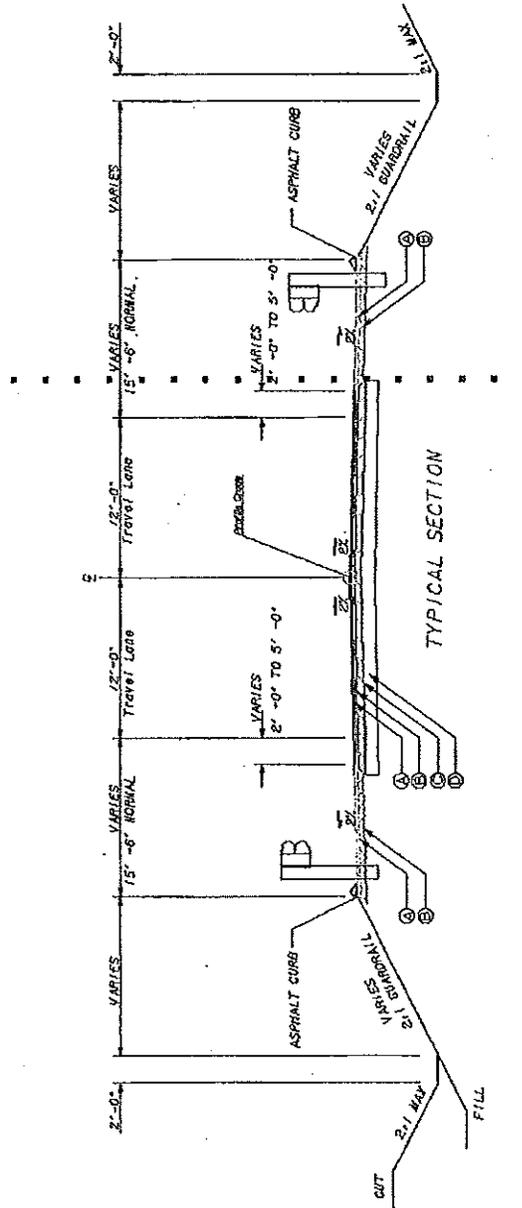
SR 36 @ Yellow Water Creek 1.25 Miles North of Junction of  
SR 42



# TYPICAL SECTION



# TYPICAL SECTION



Project Concept Report page 16  
Project Number: BRST-054-1(65)  
P. I. Number: 333171  
County: BUTTS

## *ACCIDENT SUMMARIES*

|  | 2000 | 2001 | 2002 |
|--|------|------|------|
| Total Accidents                                | 2    | 7    | 5    |
| Accidents per 100 MVMT                         | 68   | 232  | 126  |
| Statewide Accidents Per 100 MVMT               | 182  | 186  | 199  |
| Accident % Higher/Lower that Statewide Average | -63% | +24% | -37% |

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 County: BUTTS

## Bridge Inventory Data Listing Georgia Department of Transportation

Structure ID: 035-0007-0

Butts

SUFF. RATING: 47.47

| Location & Geography            |                                    |                                 | Signs & Attachements |                               |      |
|---------------------------------|------------------------------------|---------------------------------|----------------------|-------------------------------|------|
| * Structure ID:                 | 035-0007-0                         | * 104 Highway System:           | 0                    | 225 Expansion Joint Type:     | 02   |
| 200 Bridge Information:         | 07                                 | * 26 Functional Classification: | 06                   | 242 Deck Drains:              | 1    |
| * 6A Feature Int:               | YELLOW WATER CREEK                 | * 204 Federal Route Type:       | F No. 00541          | 243 Parapet Location:         | 0.00 |
| * 6B Critical Bridge:           | 0                                  | 105 Federal Lands Highway:      | 0                    | Height:                       | 0.00 |
| * 7A Route Number Carried:      | SR00036                            | * 110 Truck Route:              | 0                    | Width:                        | 0.00 |
| * 7B Facility Carried:          | SR 36                              | 206 School Bus Route:           | 1                    | 238 Curb Height:              | 1.2  |
| * 9 Location:                   | 1 MIN OF JCT SR 42                 | 217 Benchmark Elevation:        | 0000.00              | Curb Material:                | 1    |
| 2 DOT District:                 | 3                                  | 218 Datum:                      | 0                    | 239 Handrail:                 | 1 1  |
| 207 Year Photo:                 | 2004                               | * 19 Bypass Length:             | 05                   | * 240 Median Barrier Rail:    | 0    |
| * 91 Inspection Frequency:      | 24 Date: 5/27/2004                 | * 20 Toll:                      | 3                    | 241 Bridge Median Height:     | 0.0  |
| 92A Fract Crit Insp Freq:       | 00 Date: 2/1/1901                  | * 21 Maintenance:               | 01                   | * Bridge Median Width:        | 0.0  |
| 92B Underwater Insp Freq:       | 00 Date: 2/1/1901                  | * 22 Owner:                     | 01                   | 230 Guardrail Loc. Dir. Rear: | 3    |
| 92C Other Spe. Insp Freq:       | 00 Date: 2/1/1901                  | * 31 Design Load:               | 2                    | FwrD:                         | 3    |
| * 4 Place Code:                 | 00000                              | 37 Historical Significance:     | 5                    | Oppo. Dir. Rear:              | 0    |
| * 5 Inventory Route (O/U):      | 1                                  | 205 Congressional District:     | 13                   | Oppo. FwrD:                   | 0    |
| Type:                           | 3                                  | 27 Year Constructed:            | 1949                 | 244 Approach Slab:            | 0    |
| Designation:                    | 1                                  | 106 Year Reconstructed:         | 0000                 | 224 Retaining Wall:           | 0    |
| Number:                         | 00036                              | 33 Bridge Median:               | 0                    | 233 Posted Speed Limit:       | 55   |
| Direction:                      | 0                                  | 34 Skew:                        | 45                   | 236 Warning Sign:             | 1    |
| * 16 Latitude:                  | 33 - 18.7 HMMS Prefix: SR          | 35 Structure Flared:            | 0                    | 234 Delineator:               | 1    |
| * 17 Longitude:                 | 83 - 57.7 HMMS Suffix: 00 MP:10.34 | 38 Navigation Control:          | 0                    | 235 Hazzard Boards:           | 1    |
| 98 Border Bridge:               | 000 % Shared: 00                   | 213 Special Steel Design:       | 0                    | 237 Utilities - Gas:          | 00   |
| 99 ID Number:                   | 0000000000000000                   | 267 Type of Paint:              | 5                    | Water:                        | 00   |
| * 100 STRAHNET:                 | 0                                  | * 42 Type of Service on:        | 1                    | Electric:                     | 00   |
| 12 Base Highway Network:        | 1                                  | Type of Service under:          | 5                    | Telephone:                    | 00   |
| 13A LRS Inventory Route:        | 351003600                          | 214 Movable Bridge:             | 0                    | Sewer:                        | 00   |
| 13B Sub Inventory Route:        | 0                                  | 203 Type Bridge:                | A O M O              | 247 Lighting - Street:        | 0    |
| 101 Parallel Structure:         | N                                  | 259 Pile Encasement:            | 3                    | Navigation:                   | 0    |
| * 102 Direction of Traffic:     | 2                                  | * 43 Structure Type Main:       | 4 02                 | Aerial:                       | 0    |
| * 264 Road Inventory Mile Post: | 010.29                             | 45 No. Spans Main:              | 002                  | * 248 County Continuity No.:  | 00   |
| * 208 Inspection Area:          | 03 Initials: WBP                   | 44 Structure Type Appr:         | 3 02                 |                               |      |
| Engineer's Initial:             | jal                                | 46 No. Spans Appr:              | 0001                 |                               |      |
|                                 |                                    | 226 Bridge Curve Horz:          | 0 Vert: 1            |                               |      |
|                                 |                                    | 111 Pier Protection:            | 0                    |                               |      |
|                                 |                                    | 107 Deck Structure Type:        | 1                    |                               |      |
| * Location I.D. No.:            | 035-00036D-010.34E                 | 108 Wearing Surface Type:       | 1                    |                               |      |
|                                 |                                    | Membrane Type:                  | 8                    |                               |      |
|                                 |                                    | Deck Protection:                | 8                    |                               |      |



## **CONCEPT TEAM MEETING MINUTES**

BRST-054-1(65), BUTTS COUNTY

PI NO 333171

SR36 @ YELLOW WATER CREEK 1 MILE NORTH OF JCT SR42  
BRIDGE REPLACEMENT

The concept team meeting for Georgia D.O.T., project BRST-054-1(65) Butts County, P.I. 333171 was held at 9:00 a.m. with Bill Rountree, District Design Engineer, officiating. Team members present were:

Debra Benton – GDOT District 3 Environmental  
Jim Hoskins – GDOT District 3 Design  
Carol Perry – GDOT District 3 R/W  
Bob O'Rourke – GDOT District 3 R/W  
Lamar Pruitt – GDOT District 3 Construction  
Kerry Gore – GDOT District 3 Utilities  
Todd Repass – GDOT District 3 Design  
Mike England – GDOT District 3 Traffic  
Renee Arnold – GDOT District 3 Local Govt/Design  
Bill Rountree – GDOT District 3 Design  
Kristina Nash – GDOT Office of Environmental Location  
Terry McCollister – R/W Consultant  
David Coleman – GDOT Area Engineer  
James F. Sanders – Butts County Water Department  
Anthony Dukes – McIntosh Trail RDC  
Jeff Swiderski – GDOT Design

The following constitutes the minutes for the concept team meeting held on June 28, 2005. These minutes are a summary in nature and do not attempt to document every item discussed nor statement made. Should your recollection differ from what is contained herein or you wish to add something, please contact Bill Rountree at (706) 646-6604, or via email at [bill.rountree@dot.state.ga.us](mailto:bill.rountree@dot.state.ga.us).

- 1) The meeting began at approximately 9:00 AM. Bill Rountree provided everyone with a Preconstruction Status Sheet of the project and a Draft Copy of the Project Concept Report. Bill then requested that everyone introduce themselves.
- 2) After introductions, Jim Hoskins provided three alternate layouts of the project and gave a detailed overview of the project from beginning to ending.
- 3) Todd Repass presented a drive through video of the project.
- 4) In addition, the Draft Project Concept Report was discussed as a group, and minor changes were noted.

- 5) Comments were received from the individual offices, as follows:
- a) **GDOT Planning** – Tom Queen reminded everyone to be aware of the 2007 RW and 2009 Construction date.
  - b) **GDOT Office of Financial Management** – No representative was present from this office.
  - c) **GDOT Environmental** – Kristina Nash discussed the 4000' x 350' corridor that was studied. She stated that she would email Jim Hoskins an attachment summary of their findings.
  - d) **Email from Kristina:** Here are OEL's comments regarding potential effects the project might have on potential environmental resources per specialty:

**Archaeology:** Two different archaeological searches for the proposed project area based on the Alternate 2 Layout document. The searches produced no archaeological sites within the proposed 4000' x 350' corridor.

**Ecology:** All of the possible alignments depicted on the aerials avoid impacts to wetlands. Wetlands would only be impacted if the alignments passed through the ponds. (Section 404 Permits would not be needed as long as there are no wetland or stream impacts).

**History:** Two resources that are National Register eligible (circled on the aerials) and two resources that the historian would consider not eligible were identified via windshield survey; it is possible HPD may not agree with the historian's call.

**Air/Noise:** Impact studies/surveys are not applicable on bridge projects.

Any off-site detour routes would require a public meeting, to be coordinated with Greg Hood at 404-699-4404.

**GDOT Utilities** – Kerry Gore discussed replacement easements on Alternate 2. He was in favor of Alternate 1 or Alternate 3. Kerry requested that the project be cleared from right of way to right of way. He favored Alternate 3 the best because he said it would be quicker and no water lines would have to be removed.

**GDOT Right Of Way** – Carol Perry had concerns with coordination of the school system and EMS because of bus routes and emergencies. She was in favor of Alternate 1. She requested that a survey be done of all ponds within 500 feet of the project. She also requested that the front two corners on all building be flagged on the plans.

**GDOT Traffic Operations** – Mike England stated that Alternate 1 was more practical because of the bus routes. He did not like Alternate 3 because of the turns on the offsite detour.

**GDOT Construction** – Lamar Pruitt said that Alternate 2 was not an option because of the history and the cemetery. He also did not like Alternate 3 because of the traffic count of 7500 vehicles daily on a detour. He was in favor of Alternate 1.

**GDOT Maintenance** – David Coleman stated he was in favor of Alternate 1. He also did not like the turns on the offset detour of Alternate 3. He suggested we look closer at the costs for Alternates 1 and 2.

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**GDOT Location-** There was no representative present from this office.

**Butts County:** James Sanders, Butts County Water Superintendent, was in favor of Alternate 1.

**McIntosh Trail-RDC** – Anthony Dukes was in favor of Alternate 1.

The group took a vote on the Alternates. It was unanimous that Alternate 1 would be the alternate chosen for this project.

The group commented on the video that was presented. It was a very informational tool. The meeting adjourned at approximately 10:30.

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LGPA's



## Department of Transportation

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State of Georgia  
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February 25, 2005

LARRY E. DENT  
DEPUTY COMMISSIONER  
(404) 658-5212

EARL L. MAHFUZ  
TREASURER  
(404) 658-5224

Honorable Gerald Kersey  
Commission Chairman, Butts County  
25 Third Street, Suite 04  
Jackson, GA 30233

Dear Chairman Kersey:

Subject: Local Government Project Agreement  
Project No. BRST-054-1(65) Butts Co. PI# 333171-

The Department has for a number of years relied on you and other Local Governments to provide funding for the relocation of utilities and other costs incurred on construction projects located within the State Highway System. We appreciate your willingness to do this and have used your commitments to maximize available funding. However, upon review of this policy we have found that project delivery is often delayed when Local Governments make early commitments for often unknown costs.

In the effort to improve project delivery, the Department has decided to adopt a new policy that is described below:

For projects that are generated by a State Highway System need, the Department will no longer request upfront Local Government commitments nor require Local Governments to bear costs for third parties. These projects will be classified as "Department Projects" hereon, and all existing Local Government Project Agreements (see attached project list) are hereby rescinded. Moving forward, the Department will assume the eligible costs for all utilities and railroads holding a property interest. However, utility adjustment/relocation costs associated with any utility that was originally installed within a public right of way shall remain the responsibility of each respective utility owner (Official Code of Georgia Annotated 32-6-171). Please ensure that adequate funding is budgeted for the adjustment/relocation of such utility facilities owned by your Local Government (including any associated Authority's facilities).

On local jurisdiction roads (not on the numbered State Highway System) and other priority projects, Local Governments have made substantial contributions to highway construction and we would like to continue this partnership with you. On projects where there is a strong local interest, you may support the project by entering into a formal agreement to share the costs of design, right-of-way acquisition, utilities and/or construction. These projects will be classified as "Sponsor Projects", and we will continue the partnership signified by a formal agreement that will clearly outline the respective responsibilities between the Department and the Local Government/Sponsor.

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LGPA's

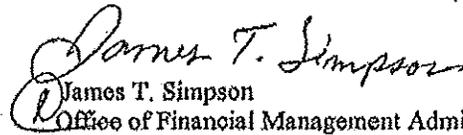
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February 25, 2005

Page 2

This updated policy will relieve you of some costs associated with Department projects, and will allow you to focus resources on your utility facilities or perhaps other priority projects.

Sincerely yours,

  
James T. Simpson  
Office of Financial Management Administrator

JTS:RR:kp

cc: Thomas Howell - District 3 Engineer  
cc: Bill Rountree - Project Manager  
cc: Jeff Baker - State Utilities Engineer  
cc: Kerry Gore - District 3 Utilities Engineer

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## NOTICE OF LOCATION AND DESIGN APPROVAL

BRST-054-1(64), Butts County  
P. I. No. 333171

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 (~~Put L&D date here~~). **AUGUST 22, 2005**

The project is located in Butts County on SR 36 between the City of Jackson and the Newton County line. The project is 0.76 miles north of the city limits of Jackson, Georgia. The proposed project is to begin at mile post 10.10 and end at mile post 10.55 for a length of 2400 feet. The project is located in Land Lot No. 121 of tax map 46 in Butts County.

The project will have an on site detour and it will keep two lanes open to traffic. A 100' x 44' bridge is proposed to replace the existing structurally deficient bridge. The proposed bridge will improve the safe operation of SR 36. The bridge will meet AASHTO geometric design standards and will serve current and future traffic.

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

David Coleman, Area Engineer  
david.coleman@dot.state.ga.us  
1001 Highway 19 South  
Griffin, Georgia 30223  
(770) 228-7205

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

William J. Rountree, P.E., District Design Engineer  
bill.rountree@dot.state.ga.us  
715 Andrews Drive  
Thomaston, Georgia 30286-4524  
(706) 646-6604

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.