

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BRZLB-145(8) Harris County  
P. I. No. 370850

**OFFICE** Preconstruction

**DATE** October 14, 2003

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

**TO** SEE DISTRIBUTION

**SUBJECT** PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

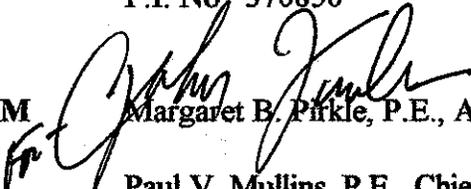
**DISTRIBUTION:**

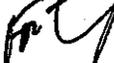
David Mulling  
Harvey Keepler  
Jerry Hobbs  
Percy Middlebrooks  
Michael Henry  
Phillip Allen  
Joe Palladi (file copy)  
Paul Liles  
Brent Story  
Thomas Howell  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BRZLB-145(8) Harris County **OFFICE** Preconstruction  
P.I. No. 370850  
**DATE** October 7, 2003

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

**TO**  Paul V. Mullins, P.E., Chief Engineer

**SUBJECT PROJECT CONCEPT REPORT**

This project is the replacement of a structurally deficient bridge on CR 20/Monument Road over House Creek, 0.2 mile northwest of Whitesville, Georgia. The existing bridge, constructed in 1950, is load limited with a sufficiency rating of 21. County Road 20 at this location is a rural two lane roadway with 10' travel lanes with rural shoulders. Traffic is projected to be 200 VPD and 300 VPD in the years 2007 and 2027 respectively. The posted speed and the design speed are 35 MPH.

The construction proposes to construct a new 120' x 28' concrete bridge over House Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 5' rural shoulders. The existing roadway will be closed during construction. Harris County is responsible for the signing and maintenance of detour routes.

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

The estimated costs for this project are:

|  | <u>PROPOSED</u> | <u>APPROVED</u> | <u>PROG DATE</u> | <u>LET DATE</u> |
|--|-----------------|-----------------|------------------|-----------------|
| Construction (includes E&C<br>and inflation) | \$699,000       | \$691,000       | 2006             | 2006            |
| Right-of-Way & Utilities*                    | Local           | Local           |                  |                 |

\*Harris County signed LGPA on 10-16-01 for right-of-way, utilities and detours.

Frank L. Danchetz

Page 2

BRZLB-145(8) Harris

October 7, 2003

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

CWH:JDQ/cj

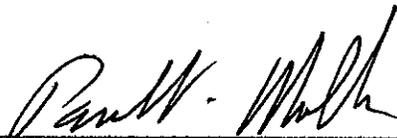
Attachment

CONCUR



Thomas L. Turner, P.E., Director of Preconstruction

APPROVE



Paul V. Mullins, P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE:** BRZLB-145(8) Harris  
P.I. No. 370850  
CR 20 @ House Creek

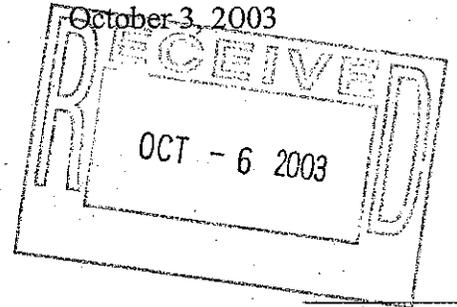
**OFFICE:** Engineering Services

**DATE:** October 3, 2003

**FROM:** David Mulling, Project Review Engineer *DM*

**TO:** Meg Pirkle, Assistant Director of Preconstruction

**SUBJECT:** CONCEPT REPORT



We have reviewed the concept report submitted October 1, 2003 by the letter from Brent A. Story dated September 30, 2003, and have the following comments.

- An estimated quantity of Earthwork along with a unit price should be shown for informational purposes in the Cost Estimate.
- Right of Way costs should be shown in the Cost Estimate.
- Reimbursable Utility costs should be included in the Cost Estimate.
- A copy of the LGPA should be included in the Concept Report.

The costs for this project are:

|                        |                  |
|------------------------|------------------|
| Construction           | \$577,483        |
| Inflation              | \$57,748         |
| E&C                    | \$63,523         |
| Reimbursable Utilities | Not shown (LGPA) |
| Right of Way           | Not shown (LGPA) |

REW

c: Brent A. Story, Attn: Ted Cashin

## SCORING RESULTS AS PER MOG 2440-2

| <b>Project Number:</b><br>BRZLB-145(8)              |       | <b>County:</b><br>Harris   |   | <b>PI No.:</b><br>370850   |  |
|---|-------|--|---|--|--|
| <b>Report Date:</b><br>September 30, 2003           |       | <b>Concept By:</b><br>DOT Office: Consultant Design  |   |  |  |
| <input checked="" type="checkbox"/> Concept Stage   |       | Consultant: URS  |   |  |  |
| <b>Project Type:</b><br>Choose One From Each Column |       | <input type="checkbox"/> Major<br><input checked="" type="checkbox"/> Minor  | <input type="checkbox"/> Urban<br><input checked="" type="checkbox"/> Rural | <input type="checkbox"/> ATMS<br><input checked="" type="checkbox"/> Bridge Replacement<br><input type="checkbox"/> Building<br><input type="checkbox"/> Interchange Reconstruction<br><input type="checkbox"/> Intersection Improvement<br><input type="checkbox"/> Interstate<br><input type="checkbox"/> New Location<br><input type="checkbox"/> Widening & Reconstruction<br><input type="checkbox"/> Miscellaneous |  |
| FOCUS AREAS   | SCORE | RESULTS  |   |  |  |
| <b>Presentation</b>                                 | 80    | Earthwork quantities and unit costs, Right of Way costs, and Reimbursable Utility Relocation costs should be included in the Concept Cost Estimate. LGPA should be included in Report. |   |  |  |
| <b>Judgement</b>                                    | 100   |  |   |  |  |
| <b>Environmental</b>                                | 100   |  |   |  |  |
| <b>Right of Way</b>                                 | 100   |  |   |  |  |
| <b>Utility</b>                                      | 100   |  |   |  |  |
| <b>Constructability</b>                             | 100   |  |   |  |  |
| <b>Schedule</b>                                     | 100   |  |   |  |  |

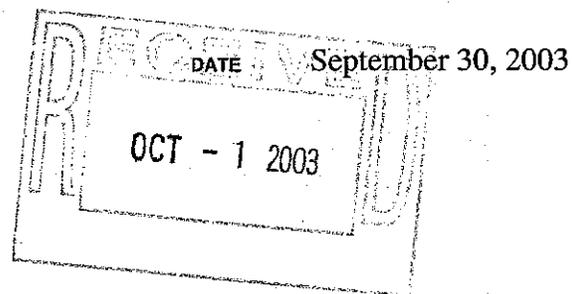
**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** **BRZLB-145(8) Harris County**  
CR 20/Monument Road at House Creek .2 mi NW of Whitesville  
P.I. No. 370850-

**OFFICE** Atlanta

**FROM**   
Brent A. Story, State Consultant Design Engineer



**TO** Margaret B. Pirkle, Assistant Director of Preconstruction

**SUBJECT** **PROJECT CONCEPT REPORT**

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

Those on the distribution list below should review the Concept Report and send comments and/or the signature page to the Preconstruction Office within 10 days as per the PDP.

If you have any questions or require further information please call (404)463-6135 or Kevin Hosey of URS Corporation at (678) 808-8800.

*Distribution:*

David Mulling, Project Review Engineer  
Harvey Keepler, State Environmental/Location Engineer  
Phillip Allen, State Traffic Safety and Design Engineer  
Joe Palladi, State Transportation Planning Administrator  
Percy Middlebrooks, Office of Financial Management Administrator  
Thomas Howell, District Engineer - Thomaston  
Paul Liles, State Bridge & Structural Engineer

BAS:MAH:EJC

cc: URS Corporation

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
*Office of Consultant Design*

# PROJECT CONCEPT REPORT

## CR20/MONUMENT ROAD AT HOUSE CREEK

Project Number: BRZLB-145(8)  
P.I. NO. 370850  
County: HARRIS

**FEDERAL ROUTE NO: N/A**  
**STATE ROUTE NO: N/A**  
**COUNTY ROUTE NO: 20**

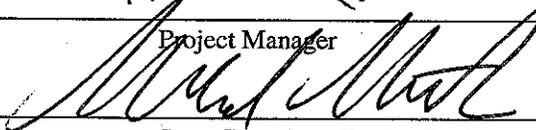
Prepared by:

DATE 9-30-03

DATE 9-30-03



Project Manager



State Consultant Design Engineer

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

DATE \_\_\_\_\_

State Transportation Planning Administrator

DATE \_\_\_\_\_

Financial Management Administrator

DATE \_\_\_\_\_

State Environmental / Location Engineer

DATE \_\_\_\_\_

Project Review Engineer

DATE \_\_\_\_\_

State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

State Bridge & Structural Design Engineer

DATE \_\_\_\_\_

District Engineer



**Need and Purpose:** *See attached Need and Purpose Statement.*

**Description of the proposed project:** The proposed project consists of replacing the bridge over House Creek and improving the approach to the bridge on CR20/Monument Road. The existing bridge has a current structural rating of 21.0 (based on H 15 design live load). The length of the project is approximately 0.21 miles. The new bridge will be approximately 120 feet in length with 28 feet of clear width (per MOG 4265-9). The project will utilize an off site detour during construction.

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

**PDP Classification:** Major , or Minor

**Federal Oversight:** Full Oversight , Exempt , State Funded , or Other

**Functional Classification:** Rural Local

**U. S. Route Number(s):** N/A      **State Route Number(s):** N/A      **County Route Number(s):** 20

**Traffic (AADT):** Base Year: (2007) 200      Design Year: (2027) 300

**Existing design features:**

- Typical Section: 2 lane asphalt (20 ft width), 5ft grass shoulders.
- Posted speed 35 mph
- Maximum degree of curvature: 11.5
- Maximum grade: 9.1 % (CR 20)
- Width of right of way: 60 ft.
- Major structures: ID 145-5006-0, L=61ft, W=18.4ft, SR=21.0
- Existing length of roadway segment: .01 mi

**Proposed Design Features:**

- Proposed typical section(s): 2 lane asphalt (24 ft width), 5ft grass shoulder.
- Proposed Design Speed Mainline 35 mph
- Proposed Maximum grade Mainline 9.1 %
- Maximum grade allowable 10.0 %
- Proposed Maximum grade Side Street N/A
- Maximum grade allowable Side Street N/A
- Proposed Maximum grade driveway 15%
- Proposed Maximum degree of curve 11.5
- Maximum degree allowable 17.5
  
- Right of way
  - Width: 120 ft.
  - Easements: Temporary , Permanent , Utility , Other .

- o Type of access control: Full , Partial , By Permit , Other .
- o Number of parcels: 2 (1 land owner) Number of displacements:
  - o Business: 0
  - o Residences: 0
  - o Mobile homes: 0
  - o Other: 0

• Structures:

- o Bridges – New bridge over House Creek, approximately 120’ in length with 28’ clear span.
- o Retaining walls: N/A

- Traffic control during construction: Close road during construction, detour traffic.
- 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 expected
- Environmental concerns: None
- Level of environmental analysis:
  - o Are Time Savings Procedures appropriate? Yes , No .
  - o Categorical exclusion .
  - o Environmental Assessment/Finding of No Significant Impact (FONSI) , or
  - o Environmental Impact Statement (EIS) .
- Utility involvements: power lines

**Project responsibilities:**

- o Design, GDOT.
- o Right of Way Acquisition, Harris County.
- o Relocation of Utilities, Harris County.
- o Letting to contract, GDOT.
- o Supervision of construction, GDOT.
- o Providing material pits, contractor.
- o Providing Detour, Harris County.

**Coordination**

- Concept meeting date and brief summary. Attach minutes. September 4, 2002
- P. A. R. meetings, dates and results: Not required
- FEMA, USCG, and/or TVA: FEMA (project encroaches mapped 100-year floodplain).
- Public involvement. *None anticipated*

- Local government comments.: *None*
- Other projects in the area.: *None*

**Scheduling – Responsible Parties’ Estimate**

- Time to complete the environmental process: 9 Months.
- Time to complete preliminary construction plans: 4 Months.
- Time to complete right of way plans: 2 Months.
- Time to complete the Section 404 Permit: 6 Months.
- Time to complete final construction plans: 4 Months.
- Time to purchase right of way: 6 Months.
- List other major items that will affect the project schedule: N/A Months.

**Alternates considered:**

1. Replacement bridge on existing location (off site detour).
2. Realignment on new location to the north side of CR 20.
3. On existing location with on-site detour (temporary bridge).
4. No Build.
5. Replace existing bridge with concrete box culvert.

**Comments:**

**Comparison Summary of Concepts 1 - 5**

Alternative (1) is the preferred alternate.

Alternatives (2) and (3) were eliminated due to higher construction related costs, added utility and right of way costs, and greater negative environmental impacts.

Alternative (4) was eliminated due to the deficient design live load (H 15) and long term maintenance costs. It does not satisfy the need and purpose of the project.

Alternative (5) was eliminated because it does not meet the hydraulic performance requirements.

**Attachments:**

1. Cost Estimates:
  - a. Preferred alternate (Const., R/W, and utilities)
  - b. Realignment alternate (Const., R/W, and utilities)
2. Typical sections
3. Bridge inventory
4. Minutes of Concept Team Meeting
5. Notice of Location and Design Approval
6. Concept Report Rating Form
7. Need and Purpose Statement
8. Traffic counts
9. Cover sheet

**PRELIMINARY COST ESTIMATE: Replacement Bridge (Preferred Alternative)**

PREPARED BY: Jerome Henderson, Jr.

PROJECT LENGTH: 0.21 miles

ESTIMATED LETTING DATE:

PROGRAMMING PROCESS

CONCEPT DEVELOPMENT

DURING PROJECT DEV.

| PROJECT COST                              |        |           |       |             |         |         |       |              |
|---|--------|-----------|-------|-------------|---------|---------|-------|--------------|
| <b>A. RIGHT-OF-WAY:</b>                   |        |           |       |             |         |         |       |              |
| 1. PROPERTY:                              | R/W    | 0         | SF@   | 0           | ESMT    | 0 /SF @ | 0 /SF | \$0.00       |
| 2. DISPLACEMENTS: RES: 0, BUS: 0, M.H.: 0 |        |           |       |             |         |         |       | \$0.00       |
| 3. OTHER COST (ADM./COST, INFLATION)      |        |           |       |             |         |         |       | \$0.00       |
| SUBTOTAL:A                                |        |           |       |             |         |         | LGPA  |              |
| <b>B. REIMBURSABLE UTILITIES:</b>         |        |           |       |             |         |         |       |              |
| 1. RAILROAD                               |        |           |       |             |         |         |       | \$0.00       |
| 2. TRANSMISSION LINES                     |        |           |       |             |         |         |       | \$0.00       |
| 3. SERVICES                               |        |           |       |             |         |         |       | \$0.00       |
| SUBTOTAL:B                                |        |           |       |             |         |         | LGPA  |              |
| <b>C. CONSTRUCTION:</b>                   |        |           |       |             |         |         |       |              |
| 1. MAJOR STRUCTURES: Bridges              | 120 ft | X         | 31.25 | ft @        | \$55.00 | /SF     |       | \$206,250.00 |
| a. TEMP BRIDGE                            | 0 ft   | X         | 0     | ft @        | \$0.00  | /SF     |       | \$0.00       |
| b. RETAINING WALL                         |        |           |       |             |         |         |       |              |
| SUBTOTAL:C-1                              |        |           |       |             |         |         |       | \$206,250.00 |
| <b>2. GRADING AND DRAINAGE:</b>           |        |           |       |             |         |         |       |              |
| a. EARTHWORK                              | 0      | CY excav. | 0     | CY embank @ |         | 0 /CY   |       | \$200,000.00 |
| <b>b. DRAINAGE:</b>                       |        |           |       |             |         |         |       |              |
| 1) Curb and Gutter                        |        |           |       |             |         |         |       |              |
| 2) Longitudinal System                    |        |           |       |             |         |         |       |              |
| Catch Basins (0 @ \$2000/basin)           |        |           |       |             |         |         |       |              |
| Drop Inlets (0 @ \$2000/inlet)            |        |           |       |             |         |         |       |              |
| Flared End Section (0 @ \$495/FES)        |        |           |       |             |         |         |       |              |
| Safety End Section (0 @ \$400/SES)        |        |           |       |             |         |         |       |              |
| MH (0 @ \$2014/MH)                        |        |           |       |             |         |         |       |              |
| 18 inch pipe (0 ft @ \$22.12/ft)          |        |           |       |             |         |         |       |              |
| SUBTOTAL:C-2                              |        |           |       |             |         |         |       | \$200,000.00 |

**PROJECT COST**

|                                 |      |                   |                          |                 |
|---------------------------------|------|-------------------|--------------------------|-----------------|
| <b>3. BASE AND PAVING:</b>      |      |                   |                          |                 |
| a. AGGREGATE BASE               | 954  | tons @            | \$13.00 /ton             | \$12,402.00     |
| <b>b. ASPHALT PAVING:</b>       |      |                   |                          |                 |
| Milling                         | 444  | yd <sup>2</sup> @ | \$4.00 /yd <sup>2</sup>  | \$1,776.00      |
| Surface                         | 235  | tons @            | \$50.00 /ton             | \$11,750.00     |
| Binder                          | 315  | tons @            | \$50.00 /ton             | \$15,750.00     |
| Base                            | 470  | tons @            | \$50.00 /ton             | \$23,500.00     |
|                                 |      |                   |                          | SUBTOTAL: C-3.b |
| <b>c. CONCRETE PAVING</b>       |      |                   |                          |                 |
| d. OTHER: tack coat             | 115  | gallon @          | \$1.00 /gallon           | \$115.00        |
|                                 |      |                   |                          | SUBTOTAL: C-3   |
| <b>4. LUMP ITEMS:</b>           |      |                   |                          |                 |
| a. GRASSING                     | 0.92 | acre @            | \$1,000.00 /acre         | \$920.00        |
| <b>b. CLEARING AND GRUBBING</b> |      |                   |                          | \$20,000.00     |
| <b>c. LANDSCAPING</b>           |      |                   |                          | \$0.00          |
| <b>d. EROSION CONTROL</b>       |      |                   |                          | \$24,000.00     |
| <b>e. TRAFFIC CONTROL</b>       |      |                   |                          | \$30,000.00     |
|                                 |      |                   |                          | SUBTOTAL: C-4   |
| <b>5. MISCELLANEOUS:</b>        |      |                   |                          |                 |
| <b>a. LIGHTING</b>              |      |                   |                          | \$0.00          |
| <b>b. SIGNING - MARKING</b>     |      |                   |                          | \$420.00        |
| <b>c. GUARDRAIL</b>             |      |                   |                          |                 |
| T Beam                          | 0    | ft @              | \$0.00 /ft               | \$0.00          |
| W Beam                          | 400  | ft @              | \$13.00 /ft              | \$5,200.00      |
| TP 12 Anchor                    | 4    | @                 | \$1,350.00 ea            | \$5,400.00      |
| TP1 anchor                      | 0    | @                 | \$480.00 ea              | \$0.00          |
| d. SIDEWALK                     | 0    | yd <sup>2</sup> @ | \$25.75 /yd <sup>2</sup> | \$0.00          |
|                                 |      |                   |                          | SUBTOTAL: C-5   |
| <b>6. SPECIAL FEATURES:</b>     |      |                   |                          |                 |
| Removal of Existing Bridge      |      |                   |                          |                 |
|                                 |      |                   |                          | SUBTOTAL: C-6   |

**ESTIMATE SUMMARY**

|                                   |              |                 |  |                     |
|-----------------------------------|--------------|-----------------|--|---------------------|
| <b>ESTIMATE SUMMARY</b>           |              |                 |  |                     |
| A. RIGHT-OF-WAY ( )               |              |                 |  | LGPA                |
| B. REIMBURSABLE UTILITIES         |              |                 |  | LGPA                |
| <b>C. CONSTRUCTION</b>            |              |                 |  |                     |
| 1. MAJOR STRUCTURES               |              |                 |  | \$206,250.00        |
| 2. GRADING AND DRAINAGE           |              |                 |  | \$200,000.00        |
| 3. BASE AND PAVING                |              |                 |  | \$65,293.00         |
| 4. LUMP ITEMS                     |              |                 |  | \$74,920.00         |
| 5. MISCELLANEOUS                  |              |                 |  | \$11,020.00         |
| 6. SPECIAL FEATURES               |              |                 |  | \$20,000.00         |
| <b>SUBTOTAL CONSTRUCTION COST</b> |              |                 |  | <b>\$577,483.00</b> |
| E. & C. (10%)                     |              |                 |  | \$57,748.30         |
| <b>INFLATION :</b>                | <b>5.00%</b> | <b>PER YEAR</b> |  |                     |
| <b>NUMBER OF YEARS:</b>           | <b>2</b>     |                 |  | \$54,998.38         |
| <b>TOTAL CONSTRUCTION COST</b>    |              |                 |  | <b>\$690,229.68</b> |
|                                   |              |                 |  |                     |
| <b>GRAND TOTAL PROJECT COST</b>   |              |                 |  | <b>\$690,229.68</b> |

This project is 100 percent in Harris County.

**PRELIMINARY COST ESTIMATE: Realignment (Alternative 2)**

PREPARED BY: Jerome Henderson, Jr.

PROJECT LENGTH: 0.45 miles

ESTIMATED LETTING DATE:

PROGRAMMING PROCESS

CONCEPT DEVELOPMENT

DURING PROJECT DEV.

| PROJECT COST                              |     |        |           |       |      |          |       |  |              |              |
|---|-----|--------|-----------|-------|------|----------|-------|--|--------------|--------------|
| <b>A. RIGHT-OF-WAY:</b>                   |     |        |           |       |      |          |       |  |              |              |
| 1. PROPERTY:                              | R/W | 0      | SF@       | 0     | ESMT | 0 /SF @  | 0 /SF |  |              | \$0.00       |
| 2. DISPLACEMENTS: RES: 0, BUS: 0, M.H.: 0 |     |        |           |       |      |          |       |  |              | \$0.00       |
| 3. OTHER COST (ADM./COST, INFLATION)      |     |        |           |       |      |          |       |  |              | \$0.00       |
|   |     |        |           |       |      |          |       |  | SUBTOTAL:A   | LGPA         |
| <b>B. REIMBURSABLE UTILITIES:</b>         |     |        |           |       |      |          |       |  |              |              |
| 1. RAILROAD                               |     |        |           |       |      |          |       |  |              | \$0.00       |
| 2. TRANSMISSION LINES                     |     |        |           |       |      |          |       |  |              | \$0.00       |
| 3. SERVICES                               |     |        |           |       |      |          |       |  |              | \$0.00       |
|   |     |        |           |       |      |          |       |  | SUBTOTAL:B   | LGPA         |
| <b>C. CONSTRUCTION:</b>                   |     |        |           |       |      |          |       |  |              |              |
| 1. MAJOR STRUCTURES: Bridges              |     | 120 ft | X         | 31.25 | ft @ | \$55.00  | /SF   |  |              | \$206,250.00 |
| a. TEMP BRIDGE                            |     | 0 ft   | X         | 0     | ft @ | \$0.00   | /SF   |  |              | \$0.00       |
| b. RETAINING WALL                         |     |        |           |       |      |          |       |  |              |              |
|   |     |        |           |       |      |          |       |  | SUBTOTAL:C-1 | \$206,250.00 |
| 2. GRADING AND DRAINAGE:                  |     |        |           |       |      |          |       |  |              |              |
| a. EARTHWORK                              |     | 0      | CY excav. | 0     | CY   | embank @ | 0 /CY |  |              | \$200,000.00 |
| b. DRAINAGE:                              |     |        |           |       |      |          |       |  |              |              |
| 1) Curb and Gutter                        |     |        |           |       |      |          |       |  |              |              |
| 2) Longitudinal System                    |     |        |           |       |      |          |       |  |              |              |
| Catch Basins (0 @ \$2000/basin)           |     |        |           |       |      |          |       |  |              |              |
| Drop Inlets (0 @ \$2000/inlet)            |     |        |           |       |      |          |       |  |              |              |
| Flared End Section (0 @ \$495/FES)        |     |        |           |       |      |          |       |  |              |              |
| Safety End Section (0 @ \$400/SES)        |     |        |           |       |      |          |       |  |              |              |
| MH (0 @ \$2014/MH)                        |     |        |           |       |      |          |       |  |              |              |
| 18 inch pipe (0 ft @ \$22.12/ft)          |     |        |           |       |      |          |       |  |              |              |
|   |     |        |           |       |      |          |       |  | SUBTOTAL:C-2 | \$200,000.00 |

NOT USED

| PROJECT COST                |      |                   |                          |              |
|-----------------------------|------|-------------------|--------------------------|--------------|
| <b>3. BASE AND PAVING:</b>  |      |                   |                          |              |
| a. AGGREGATE BASE           | 6539 | tons @            | \$13.00 /ton             | \$85,007.00  |
| <b>b. ASPHALT PAVING:</b>   |      |                   |                          |              |
| Milling                     | 444  | yd <sup>2</sup> @ | \$4.00 /yd <sup>2</sup>  | \$1,776.00   |
| Surface                     | 270  | tons @            | \$50.00 /ton             | \$13,500.00  |
| Binder                      | 360  | tons @            | \$50.00 /ton             | \$18,000.00  |
| Base                        | 586  | tons @            | \$50.00 /ton             | \$29,300.00  |
| SUBTOTAL: C-3.b             |      |                   |                          | \$62,576.00  |
| <b>c. CONCRETE PAVING</b>   |      |                   |                          |              |
| d. OTHER: tack coat         | 247  | gallon @          | \$1.00 /gallon           | \$247.00     |
| SUBTOTAL: C-3               |      |                   |                          | \$147,830.00 |
| <b>4. LUMP ITEMS:</b>       |      |                   |                          |              |
| a. GRASSING                 | 0.46 | acre @            | \$1,000.00 /acre         | \$460.00     |
| b. CLEARING AND GRUBBING    |      |                   |                          | \$10,000.00  |
| c. LANDSCAPING              |      |                   |                          | \$0.00       |
| d. EROSION CONTROL          |      |                   |                          | \$24,000.00  |
| e. TRAFFIC CONTROL          |      |                   |                          | \$30,000.00  |
| SUBTOTAL: C-4               |      |                   |                          | \$64,460.00  |
| <b>5. MISCELLANEOUS:</b>    |      |                   |                          |              |
| a. LIGHTING                 |      |                   |                          | \$0.00       |
| b. SIGNING - MARKING        |      |                   |                          | \$420.00     |
| <b>c. GUARDRAIL</b>         |      |                   |                          |              |
| T Beam                      | 0    | ft @              | \$0.00 /ft               | \$0.00       |
| W Beam                      | 400  | ft @              | \$13.00 /ft              | \$5,200.00   |
| TP 12 Anchor                | 4    | @                 | \$1,350.00 ea            | \$5,400.00   |
| TP1 anchor                  | 0    | @                 | \$480.00 ea              | \$0.00       |
| d. SIDEWALK                 | 0    | yd <sup>2</sup> @ | \$25.75 /yd <sup>2</sup> | \$0.00       |
| SUBTOTAL: C-5               |      |                   |                          | \$11,020.00  |
| <b>6. SPECIAL FEATURES:</b> |      |                   |                          |              |
| Removal of Existing Bridge  |      |                   |                          |              |
| SUBTOTAL: C-6               |      |                   |                          | \$20,000.00  |

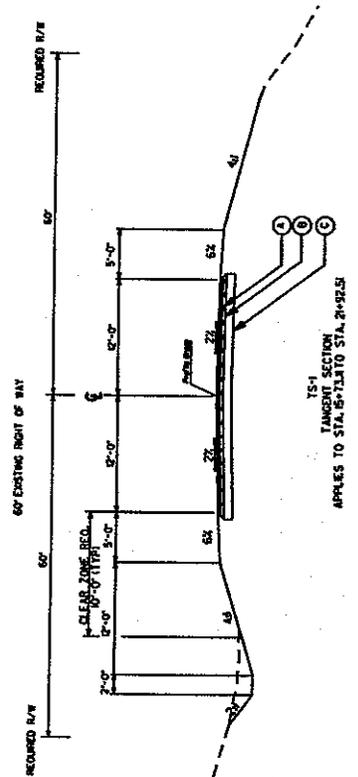
NOT USED

| ESTIMATE SUMMARY           |       |          |              |
|----------------------------|-------|----------|--------------|
| A. RIGHT-OF-WAY ( )        |       |          | LGPA         |
| B. REIMBURSABLE UTILITIES  |       |          | LGPA         |
| C. CONSTRUCTION            |       |          |              |
| 1. MAJOR STRUCTURES        |       |          | \$206,250.00 |
| 2. GRADING AND DRAINAGE    |       |          | \$200,000.00 |
| 3. BASE AND PAVING         |       |          | \$147,830.00 |
| 4. LUMP ITEMS              |       |          | \$64,460.00  |
| 5. MISCELLANEOUS           |       |          | \$11,020.00  |
| 6. SPECIAL FEATURES        |       |          | \$20,000.00  |
| SUBTOTAL CONSTRUCTION COST |       |          | \$649,560.00 |
| E. & C. (10%)              |       |          | \$64,956.00  |
| INFLATION :                | 5.00% | PER YEAR |              |
| NUMBER OF YEARS:           | 2     |          | \$61,862.86  |
| TOTAL CONSTRUCTION COST    |       |          | \$776,378.86 |
| GRAND TOTAL PROJECT COST   |       |          |              |
|                            |       |          | \$776,378.86 |

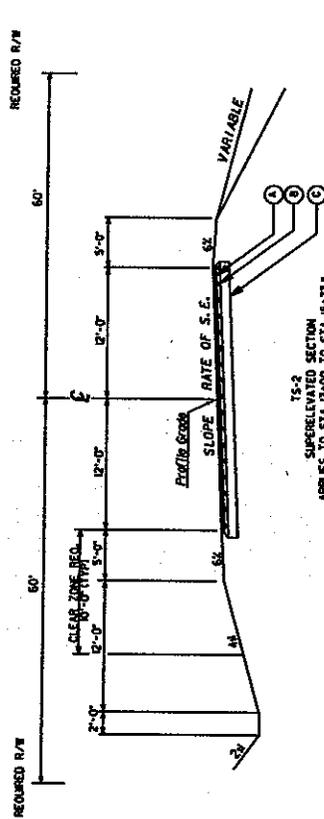
This project is 100 percent in Harris County.

NOT USED

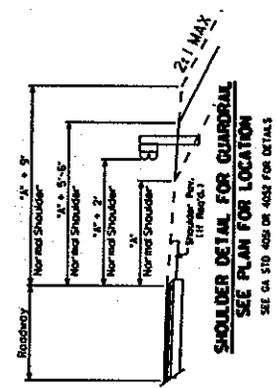
|       |                |             |
|-------|----------------|-------------|
| STATE | PROJECT NUMBER | SHEET TOTAL |
| GA.   | SP-15-0201     | 10 OF 10    |
|       | SECTION        |             |
|       | DATE           |             |



TS-1  
TANGENT SECTION  
APPLIES TO STA. 15+71.10 TO STA. 24+92.51



TS-2  
SUPERELEVATED SECTION  
APPLIES TO STA. 24+92.51 TO STA. 24+100



| SLOPE CONTROLS |          |          |
|----------------|----------|----------|
| SLOPE          | CUT      | FILL     |
| 4:1            | 0'-10"   | 0'-10"   |
| 2:1            | OVER 10' | OVER 10' |

- (A) 135 lbs/yd<sup>3</sup> 9.5mm SUPERPAVE GP 2 ONLY (MDL A)
- (B) 220 lbs/yd<sup>3</sup> 19mm SUPERPAVE GPI OR GP2 ONLY (MDL A)
- (C) 6' GRADED AGGREGATE BASE COURSE

STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION  
OFFICE OF CONSULTANT DESIGN

**URS**

CR 20 OVER HOUSE CREEK — TYPICAL SECTIONS

5.01

# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 145-5006-0

Harris County

SUFF. RATING: 21.0

## Location & Geography

\* Structure I.D. No.: 145-5006-0  
 \* 200 Bridge Information: 06  
 \* 6A Feature Int.: HOUSE CREEK  
 \* 6B Critical Bridge: 0  
 \* 7A Route Number Carried: CR00020  
 \* 7B Facility Carried: MONUMENT ROAD  
 \* 9 Location: .2 MI NW OF WHITESVILLE  
 \* 2 DOT District: 3  
 \* 207 Year Photo: 1997  
 \* 91 Inspection Frequency: 24 Date: 11/23/1999  
 \* 92A Fract Crit Insp Freq: 0 00 Date: 0000  
 \* 92B Underwater Insp Freq: 0 00 Date: 0000  
 \* 92C Other Spc. Insp Freq: 0 00 Date: 0000  
 \* 4 Place Code: 00000  
 \* 5 Inventory Route (O/U): 1  
 \* Type: 4  
 \* Designator: 1  
 \* Number: 00020  
 \* Direction: 0  
 \* 16 Latitude: 32-49.5  
 \* 17 Longitude: 85 -02.7  
 \* 98 Border Bridge: 000 %Shared: 00  
 \* 99 ID Number: 000000000000000  
 \* 100 Defense Highway: 0  
 \* 101 Parallel Structure: N  
 \* 102 Direction of Traffic: 2  
 \* 264 Road Inventory Mile Post: 001.96  
 \* 208 Inspection Area: 08 Initials: JLA  
 \* Location I.D. No: 145-00020X-001.96S  
 \* XReferen I.D. No: 000-000000-000.000

## Signs & Attachments

\* 104 Highway System: 0  
 \* 26 Functional Classification: 09  
 \* 204 Federal Route Type: 0 No: 00000  
 \* 110 Truck Route: 0  
 \* 206 School Bus Route: 0  
 \* 217 Benchmark Elevation: 0.00  
 \* 218 Datum: 0  
 \* 19 Bypass Length: 6  
 \* 20 Toll: 3  
 \* 21 Maintenance: 02  
 \* 22 Owner: 02  
 \* 31 Design Load: 0  
 \* 37 Historical Significance: 5  
 \* 205 Congressional District: 03  
 \* 27 Year Constructed: 1950  
 \* 106 Year Reconstructed: 0000  
 \* 33 Bridge Median: 0  
 \* 34 Skew: 00  
 \* 35 Structure Flared: 0  
 \* 38 Navigation Control: 0  
 \* 213 Special Steel Design: 0  
 \* 267 Type of Paint: 6  
 \* 42 Type Service On: 1 Under: 5  
 \* 214 Movable Bridge: 00 C-I-M-O  
 \* 203 Type Bridge: 3  
 \* 259 Pile Encasement: 3 02  
 \* 43 Structure Type Main: 3 02  
 \* 45 No. Spans Main: 002  
 \* 44 Structure Type Appr: 0 0  
 \* 46 No. Spans Appr: 0000  
 \* 226 Bridge Curve Horz: 0 Vert: 1  
 \* 111 Pier Protection: 0  
 \* 107 Deck Structure Type: 1  
 \* 108 Wearing Surface Type: 6 Membrane: 0 Protection: 0  
 \* 223 Expansion Joint Type: 00  
 \* 242 Deck Drains: 0  
 \* 243 Parapet Location: 0 Height: 0 Width: 0  
 \* 238 Curb: 0.0 0  
 \* 239 Handrail: 2 2  
 \* 240 Median Barrier Rail: 0  
 \* 241 Bridge Median Height: 0 Width: 0  
 \* 230 Guardrail Loc Dir Rear: 0 Fwrd: 0  
 \* Oppo Dir Rear: 0 Fwrd: 0  
 \* 244 Approach Slab: 0  
 \* 224 Retaining Wall: 0  
 \* 233 Posted Speed Limit: 45  
 \* 236 Warning Sign: 0  
 \* 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: 00

# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 145-5006-0

Harris County

SUFF. RATING: 21.0

## Programming Data

201 Project No: UNKNOWN  
 202 Plans Available: 0  
 249 Prop. Proj No: BRZLB-145 (8)  
 250 Approval Status: 0000  
 251 P.I. No: 370850  
 252 Contract Date: 0000  
 260 Seismic No: 00000  
 75 Type Work: 31 1  
 94 Bridge Imp. Cost: \$ 63  
 95 Roadway Imp. Cost: \$ 109  
 96 Total Imp. Cost: \$ 197  
 76 Imp. Length: 001381  
 97 Imp. Year: 1990  
 114 Future ADT: 000135 Year: 2018

## Hydraulic Data

215 Waterway Data  
 Highwater Elev: 0000.0 Year: 0000  
 Flood Elev: 0000.0 Freq: 00  
 Avg. Streambed Elev: 0000.0  
 Drainage Area: 00000  
 Area of Opening: 000000  
 113 Scour Critical: 6  
 216 Water Depth: 02.0 Br Height: 13.5  
 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: 0.0  
 Height: 0.0  
 Length: 0  
 Apron: 0  
 \* 265 U/W Insp. Area: 0 Diver: ZZZ

\* Location I.D. No: 145-00020X-001.96S  
 \* XReferen I.D. No: 000-000000-000.000

## Measurements

\* 29 ADT: 000090 Year: 1998  
 109 % Trucks: 9  
 \* 28 Lanes On: 02 Under: 00  
 210 No. Tracks On: 00 Under: 00  
 \* 48 Max. Span Length: 0037  
 \* 49 Structure Length: 61  
 51 Br. Rdwy. Width: 17.9  
 52 Deck Width: 18.4  
 \* 47 Tot. Horz. Cl: 17.9  
 50 Curb/Sdewlk Width: 0.0/0.0  
 32 Approach Rdwy Width: 020  
 \* 229 Shlder Width:  
 Rear Lt: 7.0 Type: 8 Rt: 6.0  
 Fwd Lt: 7.0 Type: 8 Rt: 6.0  
 Pvmnt Width:  
 Rear: 20.0 Type: 2  
 Fwd: 20.0 Type: 2  
 Intersection Rear: 0 Fwd: 0  
 36 Safety Features Br. Rail: 3  
 Transition: 0  
 App. G. Rail: 0  
 App. Rail End: 0  
 53 Minimum Cl. Over: 99' 99"  
 Under: N 00' 00"  
 \* 228 Min. Vert. Cl  
 Act. Odm. Dir: 99' 99"  
 Oppo. Dir: 99' 99"  
 Posted Odm. Dir: 00' 00"  
 Oppo. Dir: 00' 00"  
 55 Lateral Undercl. Rt: N 99.9  
 56 Lateral Undercl. Lt: 0.0  
 \* 10 Max Min Vert Cl: 99' 99" Dir: 0  
 39 Nav Vert Cl: 000 Horz: 0000  
 116 Nav Vert Cl Closed: 000  
 245 Deck Thickness Main: 6.0  
 Deck Thick Approach: 0.0  
 246 Overlay Thickness: 3.0  
 211 Tons Structural Steel: 12.0  
 212 Year Last Painted: Sup: 1950 Sub: 0000

## Ratings

66 Inventory Type: 2 Rating: 01  
 64 Operating Type: 2 Rating: 03  
 231 Calculated Loads  
 H-Modified: 08 1  
 HS-Modified: 13 1  
 Type 3: 09 1  
 Type 3s2: 16 1  
 Timber: 14 1  
 Piggyback: 00 0  
 261 H Inventory Rating: 08  
 262 H Operating Rating: 11  
 67 Structural Evaluation: 2  
 58 Deck Condition: 6  
 59 Superstructure Condition: 6  
 \* 227 Collision Damage: 0  
 60A Substructure Condition: 2  
 60B Scour Condition: 8  
 60C Underwater Condition: N  
 71 Waterway Adequacy: 5  
 61 Channel Protection Cond: 5  
 68 Deck Geometry: 3  
 69 UnderClr. Horz/Vert: N  
 72 Appr. Alignment: 4  
 62 Culvert: N

## Posting Data

70 Bridge Posting Required: 0  
 41 Struct Open, Posted, Cl: P  
 \* 103 Temporary Structure: T  
 232 Posted Loads H-Modified: 08  
 HS-Modified: 13  
 Type 3: 09  
 Type 3S2: 16  
 Timber: 14  
 Piggyback: 00  
 253 Notification Date: 01/03/1996  
 253 Fed Notify Date: 0000 0



## MEETING MINTUTES

**PROJECT:** CR20/MONUMENT ROAD OVER HOUSE CREEK

**SUBJECT:** Concept Team Meeting  
Bridge Replacement  
Project: BRZLB-145(8)  
Harris County  
P.I No. 370850

**DATE:** September 4, 2002

**TO:** Attendees (list follows minutes)

**Minutes by:** Sean Pharr (Please notify immediately with any errors or omissions)

### PURPOSE:

A concept meeting was held at the Thomaston-Upson County Archives Building at 11:00AM on September 4, 2002. Members from GDOT, Harris County Public Works, and URS met to discuss the bridge replacement project. Sean Pharr described the project, which included conceptual layout of the bridge replacement of a structurally deficient bridge on CR20 over House Creek..

### GENERAL COMMENTS:

Remove "Wetlands" from environmental concerns in concept report.

LGPA was signed on 10-16-01 for Right of Way, utility relocation and detours.

GDOT (Otis Clark) to send concurrence letter to Harris County for road closings during construction.

URS (Kevin Hosey) to request Utility Cost Estimates from the District Utility Office.

This road is on a school bus route. Summer closing of the road would be ideal.

Add the word "Preferred" to cost estimation table title block in Concept Report.

Remove Right of Way Cost from "total" estimate in Concept Report and report as LGPA.

Change number of years inflation from 3 to 2 years in Concept Report.

Add percent slope to shoulder shown on Typical Section in Concept Report.

Revise proposed bridge to be 3, 30' foot spans, use 55 dollars/SF for cost in Concept Report.

## ATTENDEES

### CONCEPT TEAM MEETING- September 4, 2002

|                  |   |              |  |
|------------------|---|--------------|--|
| Jimmy Evans      | Harris County-Public Works              | 706-628-4959 |  |
| Bill Patrick     | Harris County-County Engineer           | 706-628-4958 |  |
| Gary Mailhot     | GDOT-Area Engineer (Columbus)           | 706-568-2165 | <a href="mailto:Gary.Mailhot@dot.state.ga.us">Gary.Mailhot@dot.state.ga.us</a>       |
| Mark J. Williams | GDOT-Project Manager (Columbus)         | 706-568-2165 | <a href="mailto:Mark.Williams@dot.state.ga.us">Mark.Williams@dot.state.ga.us</a>     |
| Wayne Pittman    | GDOT-Assistant Area Engineer (Columbus) | 706-568-2165 | <a href="mailto:Wayne.Pittman@dot.state.ga.us">Wayne.Pittman@dot.state.ga.us</a>     |
| Kim Brown        | GDOT-Utilities                          | 706-646-6548 | <a href="mailto:Kim.Brown@dot.state.ga.us">Kim.Brown@dot.state.ga.us</a>             |
| Windy Bickers    | GDOT-Financial Management               | 404-463-5023 | <a href="mailto:Windy.Bickers@dot.state.ga.us">Windy.Bickers@dot.state.ga.us</a>     |
| Otis Clark       | GDOT-Office of Consultant Design        | 404-463-6265 | <a href="mailto:Otis.Clark@dot.state.ga.us">Otis.Clark@dot.state.ga.us</a>           |
| Kevin Hosey      | URS                                     | 404-478-8639 | <a href="mailto:Kevin_Hosey@urscorp.com">Kevin_Hosey@urscorp.com</a>                 |
| Sei Kpeyei       | GDOT-Planning                           | 404-657-5325 | <a href="mailto:Sei.Kpeyei@dot.state.ga.us">Sei.Kpeyei@dot.state.ga.us</a>           |
| Tom Queen        | GDOT-District 3                         | 706-646-6591 | <a href="mailto:Tom.Queen@dot.state.ga.us">Tom.Queen@dot.state.ga.us</a>             |
| Chuck Wilson     | URS                                     | 404-888-8800 | <a href="mailto:Chuck_Wilson@urscorp.com">Chuck_Wilson@urscorp.com</a>               |
| Sean Pharr       | URS                                     | 404-478-8641 | <a href="mailto:Sean_Pharr@urscorp.com">Sean_Pharr@urscorp.com</a>                   |
| Archie Cash      | Diverse Power -Section Manager Staking  | 706-845-2000 | <a href="mailto:Archie.Cash@diversePower.com">Archie.Cash@diversePower.com</a>       |
| Bill Rountree    | GDOT-District 3 Design Engineer         | 706-646-6604 | <a href="mailto:Bill.Rountree@dot.state.ga.us">Bill.Rountree@dot.state.ga.us</a>     |
| Constance Flint  | GDOT-District 3 Design Engineer         | 706-646-6605 | <a href="mailto:Constance.Flint@dot.state.ga.us">Constance.Flint@dot.state.ga.us</a> |
| Adam Dykes       | GDOT-District 3 Design Engineer         | 706-646-6607 | <a href="mailto:Adam.Dykes@dot.state.ga.us">Adam.Dykes@dot.state.ga.us</a>           |
|                  |   |              |  |

**NOTICE OF LOCATION AND DESIGN APPROVAL**

**BRZLB-145(8) HARRIS COUNTY  
P. I. No. 370850**

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.

Date of Location and Design Approval: OCTOBER 14, 2003

This project is a 0.21-mile replacement of CR20/Monument Rd bridge over House Creek 0.2 miles northwest of Whitesville. A new bridge over the creek will be constructed to replace the currently deficient one. CR20/Monument Rd will be closed to through traffic during construction of the new bridge. Traffic will be detoured along SR219 and CR21/O'Neal Rd. The project lies entirely within Harris County and within Land District 2 and Land Lots 38,58,59, and 71.

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

**Gary Mailhot, Area Engineer  
Department Of Transportation  
Columbus District Office  
3600 Schatulga Road  
Columbus, Georgia 31907  
(706) 568-2165**

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:

**Ted Cashin  
Office of Consultant Design  
Department Of Transportation  
No. 2 Capitol Square  
Atlanta, Georgia 30334  
(404) 463-6135  
Ted.Cashin@dot.state.ga.us**

Any written request of 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

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## INTERDEPARTMENT CORRESPONDENCE

**FILE** BRZLB-145(8), Harris  
P.I. 370850

**OFFICE** Environment/ Location

**DATE** November 9, 2001

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

**TO** Jim Chambers, P.E., State Consultant Design Engineer  
**Attn: Ted Cashin**

**SUBJECT** CR 20/Monument Road @ House Creek

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

Existing 2001 ADT = 150  
2007 ADT = 200  
2027 ADT = 300  
K = 10%  
D = 60%  
T = 4%  
24 HR T = 6%  
SU = 4%  
COMB = 2%

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

HDK:TJW



DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
Office of Consultant Design

# PROJECT CONCEPT REPORT

## CR20/MONUMENT ROAD AT HOUSE CREEK

Project Number: BRZLB-145(8)  
P.I. NO: 370850  
County: HARRIS

FEDERAL ROUTE NO: N/A  
STATE ROUTE NO: N/A  
COUNTY ROUTE NO: 20

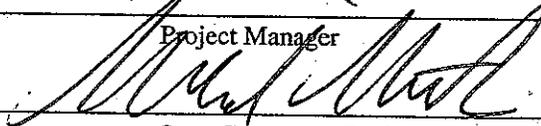
Prepared by:

DATE 9-30-03

DATE 9-30-03



Project Manager



State Consultant Design Engineer

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

DATE

State Transportation Planning Administrator

DATE

Financial Management Administrator

DATE

State Environmental / Location Engineer

10-3-03

DATE

David J. Mulby *REW*  
Project Review Engineer

DATE

State Traffic Safety and Design Engineer

DATE

State Bridge & Structural Design Engineer

DATE

District Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
*Office of Consultant Design*

# PROJECT CONCEPT REPORT

## CR20/MONUMENT ROAD AT HOUSE CREEK

Project Number: BRZLB-145(8)  
P.I. NO. 370850  
County: HARRIS

FEDERAL ROUTE NO: N/A  
STATE ROUTE NO: N/A  
COUNTY ROUTE NO: 20

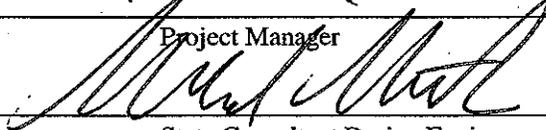
Prepared by:

DATE 9-30-03

DATE 9-30-03



Project Manager



State Consultant Design Engineer

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

10/1/03  
DATE

  
State Transportation Planning Administrator

DATE

Financial Management Administrator

DATE

State Environmental / Location Engineer

DATE

Project Review Engineer

DATE

State Traffic Safety and Design Engineer

DATE

State Bridge & Structural Design Engineer

DATE

District Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
Office of Consultant Design

# PROJECT CONCEPT REPORT

## CR20/MONUMENT ROAD AT HOUSE CREEK

Project Number: BRZLB-145(8)  
P.I. NO. 370850  
County: HARRIS

FEDERAL ROUTE NO: N/A  
STATE ROUTE NO: N/A  
COUNTY ROUTE NO: 20

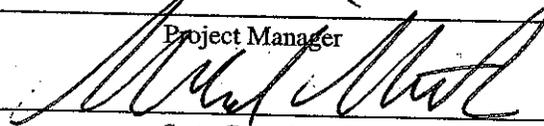
Prepared by:

DATE 9-30-03

DATE 9-30-03



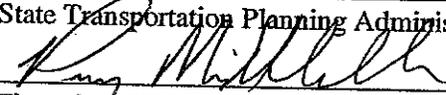
Project Manager



State Consultant Design Engineer

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

DATE  
10/2/03  
DATE

State Transportation Planning Administrator  
  
Financial Management Administrator

DATE

State Environmental / Location Engineer

DATE

Project Review Engineer

DATE

State Traffic Safety and Design Engineer

DATE

State Bridge & Structural Design Engineer

DATE

District Engineer