

DOT. 66

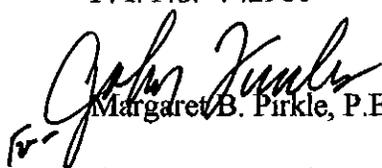
DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** BRST-9438(10) Rockdale County  
P. I. No. 742980

**OFFICE** Preconstruction

**DATE** February 5, 2004

**FROM**  Margaret B. Pirkle, 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 Keeper  
Jerry Hobbs  
Percy Middlebrooks  
Michael Henry  
Phillip Allen  
Joe Palladi (file copy)  
Paul Liles  
Brent Story  
Buddy Gratton  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BRST-9438(10) Rockdale County **OFFICE** Preconstruction  
P.I. No. 742980

**DATE** January 22, 2004

**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 SR 212 over Honey Creek, 4.5 miles south of Conyers, Georgia. The existing bridge, constructed in 1950, is load limited with a sufficiency rating of 57. 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 212 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. This section of SR 212 is functionally classified as an urban minor arterial. Traffic is projected to be 10,500 VPD and 18,000 VPD in the years 2008 and 2028 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to construct a new 120' x 44' concrete bridge over Honey Creek at existing bridge site. The approaches will consist of two, 12' lanes with 10' shoulders (6.5' paved). Traffic will be maintained during construction utilizing an on-site detour.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion is anticipated; a public information meeting will be held; time saving procedures are not appropriate.

**This project will require split funding because the sufficiency rating exceeds 50. "BR" funding will cover the amount equal to the widening and the remainder will consist of "STP" funding.**

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	<b>BR</b>	<b>BR</b>		
	\$ 555,000	\$ 555,000	2007	2007
	<b>STP</b>	<b>STP</b>		
	\$1,175,000	\$1,175,000		
Right-of-Way	\$ 20,000	\$ 20,000		
Utilities*	LGPA	LGPA		

Paul V. Mullins

Page 2

BRST-9438(10) Rockdale

January 22, 2004

\*Rockdale County signed LGPA for utilities 10-12-99.

I recommend this project concept be approved.

MBP:JDQ/cj

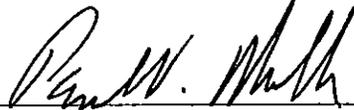
Attachment

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**

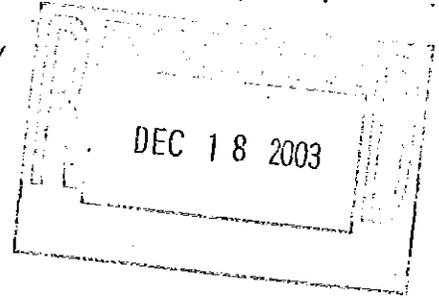
**FILE:** BRST-9438(10) Rockdale  
P.I. No.: 742980  
S.R. 212 @ Honey Creek

**OFFICE:** Engineering Services

**DATE:** December 18, 2003

**FROM:** David Mulling, Project Review Engineer *REW*  
**TO:** Meg Pirkle, Assistant Director of Preconstruction

**SUBJECT:** CONCEPT REPORT



We have reviewed the Concept Report submitted December 12, 2003 by the letter from Brent A. Story dated December 11, 2003, and have the following comment.

- Estimated Reimbursable Utility costs should be included in the Concept Report for informational purposes even though an LGPA is anticipated.

The costs for the project are:

	Bridge Replacement	Bridge Widening
Construction	\$1,429,350	\$458,576
Inflation	\$142,935	\$45,860
E&C	\$157,230	\$50,445
Reimbursable Utilities	Not provided (LGPA signed)	Not provided
Right of Way	\$20,000	\$20,000

**NOTE:** This project will require split funding since the bridge has a sufficiency rating above 50 and is to be replaced. The BR funding is the amount equal to the Bridge Widening costs. Other costs will have to come from other funding sources.

REW

c: Brent A. Story, Attn.: Ted Cashin

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> BRST-9438(10)		<b>County:</b> Rockdale		<b>PI No.:</b> 742980	
<b>Report Date:</b> December 11, 2003			<b>Concept By:</b> DOT Office: Consultant Design		
<input checked="" type="checkbox"/> <b>Concept Stage</b>			Consultant: PBQ & D		
<b>Project Type:</b> Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input checked="" type="checkbox"/> Bridge Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation	90	Estimated Reimbursable Utility costs should be shown for informational purposes.			
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

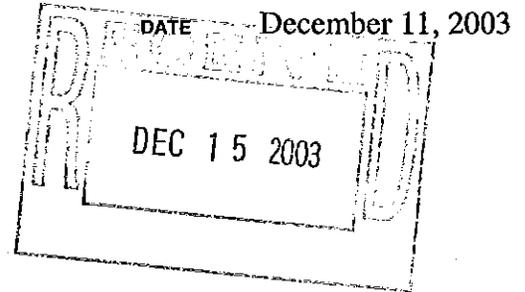
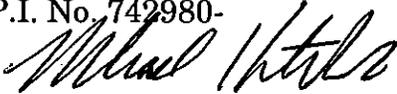
**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE**     **BRST-9438(10) Rockdale County**  
SR 212 over Honey Creek 2.9 mi S of Jct SR 138  
P.I. No. 742980-

**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.

**NOTE: This project will have to be split-funded because the sufficiency rating is over 50. The cost of widening, to be covered by BR funding is \$576,140. The remainder, \$1,177,305, will have to be covered by other funds.**

If you have any questions or require further information please call (404)463-6135 or John Durand of Parsons Brinckerhoff Quade & Douglas, Inc. at (404) 364-5236.

*Distribution:*

David Mulling, Project Review Engineer  
Harvey Keeper, 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  
Buddy Gratton, District Engineer – Chamblee  
Paul Liles, State Bridge & Structural Engineer

BAS:MAH:EJC

cc: Parsons Brinckerhoff Quade & Douglas, Inc.

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

**PROJECT CONCEPT REPORT**

Project Number: BRST-9438(10)

County: Rockdale

P. I. Number: 742980

Federal Route Number: N/A

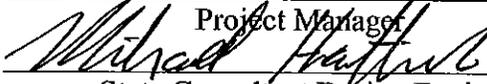
State Route Number: 212

DESCRIPTION: Bridge replacement on S.R. 212 over Honey Creek in Rockdale County.

Recommendation for approval:

DATE 12-11-03

DATE 12-11-03

  
\_\_\_\_\_  
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 \_\_\_\_\_

\_\_\_\_\_  
State Financial Management Administrator

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Operations Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
District 7 Engineer, Chamblee

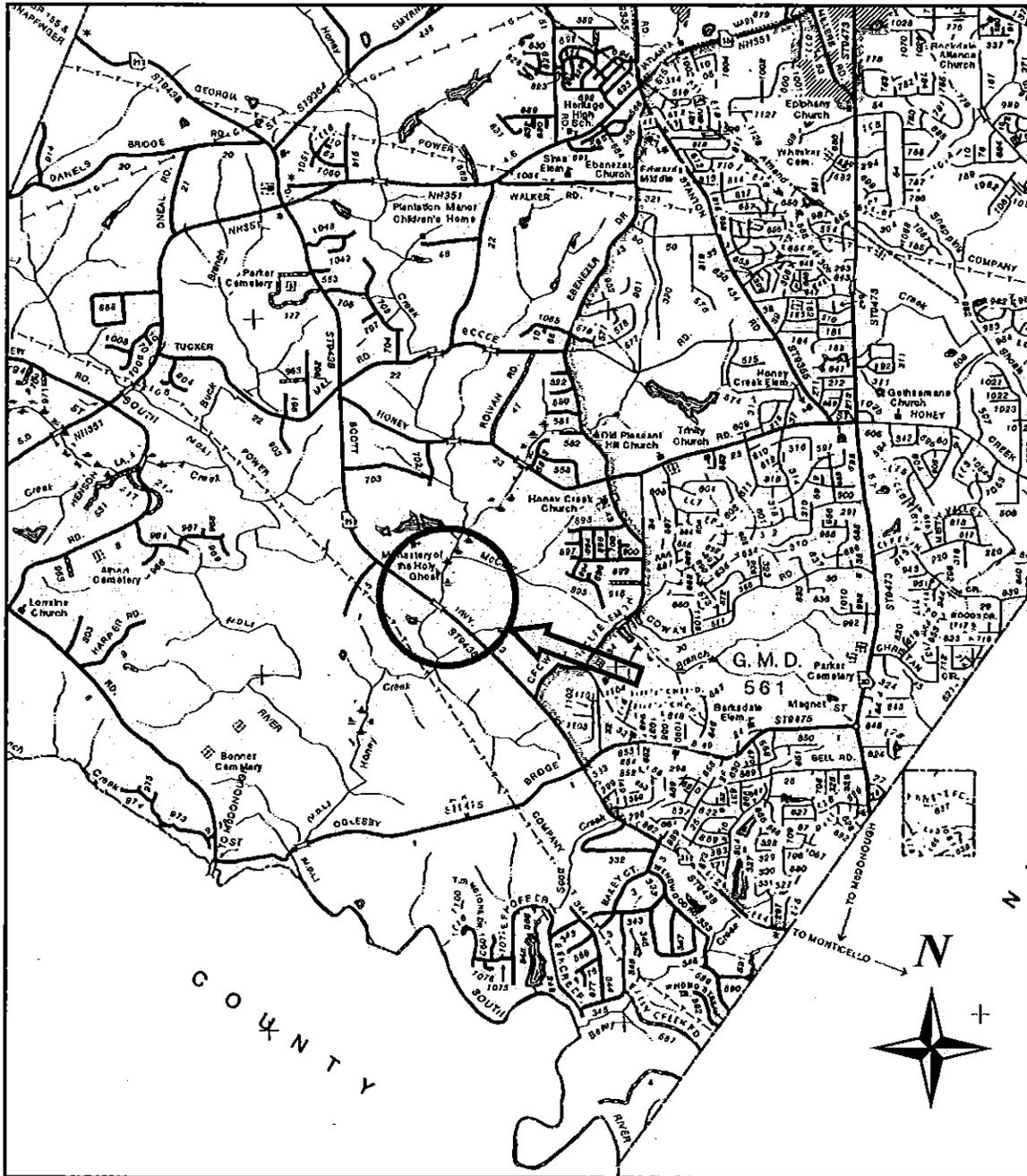
DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Design Engineer

Project Concept Report page 2  
Project Number: BRST-9438(10)  
P. I. Number: 742980  
County: Rockdale



Scale: 1 inch = 1 mile

**Location Map**

**Project: BRST-9438(10), Rockdale County PI No.: 742980**

**Description: SR 212 over Honey Creek 2.5 mi S of Jct. SR 138**

Project Concept Report page 3  
Project Number: BRST-9438(10)  
P. I. Number: 742980  
County: Rockdale

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

**Description of the proposed project:** Project BRST-9438(10) is a bridge replacement project in Rockdale County on S.R. 212 over Honey Creek. The total project length is approximately 4000 feet (0.758 miles), beginning 2.5 miles south of Jct. S.R. 138 at M.P. 4.553 and extending to M.P. 5.311. The purpose of this project is to replace a structurally deficient and functionally obsolete bridge on S.R. 212 over Honey Creek. The existing bridge sufficiency rating is currently 57.27.

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

**PDP Classification:** Major: \_\_\_\_\_ Minor:  X   
**Federal Oversight:** Full Oversight ( ), Exempt(  X ), State Funded( ), or Other ( )

**Functional Classification:** Urban Minor Arterial

**U. S. Route Number(s):** None **State Route Number(s):** 212

**Traffic (AADT):**  
Current Year: (2008) 10500 Design Year: (2028) 18000

**Existing design features:**

- Typical Section: 2-12 ft. travel lanes, with variable width grassed shoulders.
- Posted speed: 55 mph Maximum degree of curvature: 2 deg.
- Maximum grade: 8.0 % Mainline, 12.0% Cross Roads, and 10.0% Driveways
- Width of right of way: 100 ft.
- Major structures: Concrete and steel bridge over Honey Creek, 4 spans at 27 ft long, total length 108 ft., width 30 ft. (bridge roadway width 23.7 ft.) sufficiency rating is 57.27.
- Major interchanges or intersections along the project: None
- Existing length of the S.R. 212 roadway is approximately 5400 feet long beginning at the beginning of the tangent along which the existing bridge was built, and ending roughly 1000 feet past the PT of the ahead curve.

**Proposed Design Features:**

Proposed typical section(s): Two 12'-0" travel lanes with 10' graded shoulders (6.5' paved).

Typical section attached. (Shoulder to be paved under guardrail)

- Proposed Design Speed Mainline 55 mph
- Proposed Maximum grade Mainline 6%                      Maximum grade allowable 6%.
- Proposed Maximum grade Side Street 12%                      Maximum grade allowable 12%.
- Proposed Maximum grade driveway 12%
- Proposed Maximum degree of curve 5.5 deg.                      Maximum degree allowable 5.9 deg.
- Right of way
  - Width: Additional R/W width varies from 20 to 80 ft.
  - Easements: Temporary ( **X** ), Permanent ( ), Utility ( ), Other ( ).
  - Type of access control: Full ( ), Partial ( ), By Permit ( **X** ), Other ( ).
  - Number of parcels: 4                      Number of displacements: None
    - Business: 0
    - Residences: 0
    - Mobile homes: 0
    - Other: 0
- Structures:
  - Bridges: The proposed concrete bridge will be 44 ft wide and approximately 120 ft long, consisting of two 12'-0" travel lanes and 10'-0" shoulders.
  - Retaining walls: None Required
- Major intersections and interchanges. None
- Traffic control during construction: The traffic will be detoured on-site with a detour drainage structure southwest of the existing bridge. Approximately 4000 feet of temporary detour roadway with a detour bridge will be required to construct the proposed bridge.

Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	( )	( )	( <b>X</b> )
ROADWAY WIDTH:	( )	( )	( <b>X</b> )
SHOULDER WIDTH:	( )	( )	( <b>X</b> )
VERTICAL GRADES:	( )	( )	( <b>X</b> )
CROSS SLOPES:	( )	( )	( <b>X</b> )
STOPPING SIGHT DISTANCE:	( )	( )	( <b>X</b> )
SUPERELEVATION RATES:	( )	( )	( <b>X</b> )
HORIZONTAL CLEARANCE:	( )	( )	( <b>X</b> )
SPEED DESIGN:	( )	( )	( <b>X</b> )
VERTICAL CLEARANCE:	( )	( )	( <b>X</b> )
BRIDGE WIDTH:	( )	( )	( <b>X</b> )
BRIDGE STRUCTURAL CAPACITY:	( )	( )	( <b>X</b> )

- Design Variances: None
- Environmental concerns: 1-The property on both sides of SR 212 is designated as a wetland mitigation bank, and will require a modification to the restrictive covenants. 2-Nationwide 404 with PCN

Project Concept Report page 5  
Project Number: BRST-9438(10)  
P. I. Number: 742980  
County: Rockdale

- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes ( X ), No ( ),
  - Categorical exclusion: Anticipated
- Utility involvement: Overhead power lines running north and south and crossing the bridge at an acute skew. UG gas and phone lines parallel to roadway on northeast side. Water line w/hydrants parallel to roadway on southwest side.

**Project responsibilities:**

- Design, Office of Consultant Design.
- Right of Way Acquisition, District 7 Preconstruction (Right of Way Office).
- Relocation of Utilities, District 7 Utility Office.
- Letting to contract, General Office (Office of Contract Administration).
- Supervision of construction, District 7 Construction Office.
- Providing material pits, Contractor.
- Providing detours, Office of Consultant Design (provided in project design).

**Coordination**

- Initial Concept Meeting dates and brief summary. N/A
- Concept meeting date. 8/27/03 and 10/3/03 (See Minutes)
- P. A. R. meetings, dates and results. None required.
- FEMA, USCG, and/or TVA. N/A
- Public involvement. None required.
- Local government comments. Rockdale County has signed utility LGPA.
- Other projects in the area. Long range project in Atlanta Regional Commission's Regional Transportation Plan to four lane SR 212 through Rockdale County.
- Other coordination to date. None.

**Scheduling – Responsible Parties' Estimate**

- Time to complete the environmental process: 6 Months.
- Time to complete preliminary construction plans: 3 Months.
- Time to complete right of way plans: 1 Months.
- Time to complete the Section 404 Permit: 2 Months.
- Time to complete final construction plans: 3 Months.
- Time to complete purchase of right of way: 6 Months.
- Time to complete construction: 18 Months.
- List other major items that will affect the project schedule: N/A Months

**Alternates considered:** (1) Construct proposed bridge at same location as the existing bridge with temporary on-site detour and detour drainage structure; (2) Construct proposed bridge at same location as the existing bridge with off-site detour; close road; (3) Construct proposed bridge by staging construction and maintaining traffic; (4) Construct proposed bridge offset from and parallel to existing bridge, remove existing bridge; (5) No Build

**Comments:**

**Comparison Summary of Concepts 1 - 5**

**Alternate (1)** is recommended for this concept. A short run-around detour on the southwest side of existing S.R. 212 will not impact any homes. (The Monastery property on both sides of S.R. 212 is a wetland mitigation bank and therefore environmentally sensitive.) The detour centerline will be a minimum of 55 feet from the existing bridge centerline and designed to current 45 mph standards. A detour typical section consists of 2-12 ft lanes with 8 ft grassed shoulders. The detour will be approximately 4000 ft long including a detour bridge approximately 150 ft long.

**Alternate (2)** is not recommended for this concept because of the lack of acceptable state routes or county roads in the area capable of accommodating the high volume of traffic (AADT 10500) and providing access for emergency vehicles.

**Alternate (3)** is not recommended for this concept because staging the construction is impractical given the higher elevation that will be required for the proposed bridge.

**Alternate (4)** is not recommended for this concept because of the long realignment and/or additional curves required to build the proposed bridge at least 45 feet offset from and parallel to the existing bridge.

**Alternate (5)** is not recommended for this concept due to long-term maintenance cost of the structurally deficient bridge.

**Attachments:**

1. Cost Estimates:
  - a. Construction including E&C,
  - b. Right of Way, and
  - c. Utilities.
2. Typical sections.
3. Need and Purpose Statement.
4. Traffic Data.
5. Preliminary Pavement Design.
6. Bridge Inventory Data Listing & Replacement Recommendation Letter.
7. Minutes of Concept meeting.
8. Location and Design Notice.
9. Project Concept Conformity Certification Letter.

**PRELIMINARY COST ESTIMATE**

**(Bridge Replacement)**

DATE: November 14, 2003

PREPARED BY: Parsons Brinckerhoff

PROJECT NO.: BRST-9438-(10)

P.I. NO.: 742980

LENGTH: 1.023 miles

PROJECT DESCRIPTION: SR 212 over Honey Creek bridge replacement - Proposed bridge 120' long and 44'-0" wide.

PROPOSED CONCEPT: Two 12'-0" travel lanes with 10'-0" shoulders. Traffic shall be detoured on-site utilizing a temporary bridge to the southwest of the existing bridge, across Honey Creek.

EXISTING ROADWAY: State Route 212

TRAFFIC: Existing: 10500 ADT (2008)

Design: 18000 ADT (2028)

PROGRAMMING PROCESS     CONCEPT DEVEL.     DURING PROJ DEVEL.

PROJECT COST	
A. RIGHT-OF-WAY:	
1. PROPERTY (R/W & EASEMENT)	\$20,000
2. DISPLACEMENTS: NONE	\$ 0
3. OTHER COST (ADM./COST, INFLATION)	\$ 0
SUBTOTAL:A	\$20,000
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$ 0
2. TRANSMISSION LINES	\$ 0
3. SERVICES (Rockdale County has signed LGPA)	\$ 0
SUBTOTAL:B	0
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	
a. OVERPASSES – Bridge over Honey Creek (47.25'x 120')@\$55/Sq.Ft.	\$ 311,850
b. APPROACH SLAB – 294 SY @\$170/SY 2 each spillways @\$1340 ea	\$ 52,660
SUBTOTAL:C-1	\$ 364,510
2. GRADING AND DRAINAGE:	

PROJECT COST		
a. EARTHWORK – 40,000 CY Borrow @ \$5.70/CY		\$ 228,000
b. DRAINAGE:		
1) CROSS DRAIN PIPE		\$ 4,600
2) DETOUR BRIDGE ( 110ft. long x 24ft wide @\$30/Sq. Ft. )		\$ 79,200
SUBTOTAL:C-2		\$ 311,800
3. BASE AND PAVING:		
a. AGGREGATE BASE -- Detour, Pav Shld. & Mainline 10,500 TN @ \$18/TN		\$ 189,000
b. ASPHALT PAVING: SURFACE – Detour 660 TN @ \$37/TN; Mainline and Paved Shld. 1020 TN@\$37/TN	\$	\$ 62,160
BINDER – Mainline & Pav Shld 1360 TN@\$44, Detour 880@\$44	\$	\$ 98,560
BASE – Mainline 2720 TN @\$42	\$	\$ 114,240
SUBTOTAL:C-3.b		\$ 274,960
c. CONCRETE PAVING		\$
d. OTHER		\$
SUBTOTAL:C-3		\$ 463,960
4. LUMP ITEMS:		
a. GRASSING – 8.5 acres @ \$2000/ac		\$ 17,000
b. CLEARING AND GRUBBING - 12 acres @ \$2,000/ac		\$ 24,000
c. LANDSCAPING		\$
d. EROSION CONTROL- Silt fence type A 1000 LF @\$1.70/LF, Silt fence type C 5000 LF @ \$3.50/LF, Floating silt fence 1000 LF @ \$7.50/LF		\$ 26,700
e. TRAFFIC CONTROL		\$ 30,000
SUBTOTAL:C-4		\$ 97,700
5. MISCELLANEOUS:		
a. LIGHTING – NONE		\$
b. SIGNING - MARKING		\$ 10,000
c. GUARDRAIL – 4000 LF @ \$10/LF, 2 ea Type 1 anch @ \$390/ea, 2 ea Type 12 anch @ \$1300/ea		\$ 43,380
d. CURB & GUTTER – NONE		\$
SUBTOTAL:C-5		\$ 53,380

<b>PROJECT COST</b>	
6. SPECIAL FEATURES- Rem. Exist. Bridge @\$7/sq.ft-\$23,000; Field Eng. Office Ty 3 \$40,000 Remove Detour Roadway and Bridge \$75,000 SUBTOTAL:C-6	\$ 138,000

<b>ESTIMATE SUMMARY</b>		
A. RIGHT-OF-WAY	\$ 20,000	
B. REIMBURSABLE UTILITIES (Rockdate Co. has signed LGPA)	\$ 0	
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$ 364,510	
2. GRADING AND DRAINAGE	\$ 311,800	
3. BASE AND PAVING	\$ 463,960	
4. LUMP ITEMS	\$ 97,700	
5. MISCELLANEOUS	\$ 53,380	
6. SPECIAL FEATURES	\$ 138,000	
SUBTOTAL CONSTRUCTION COST		\$ 1,429,350
E. & C. (10%)		\$ 157,586
INFLATION (5% PER YEAR)		
NUMBER OF YEARS	2	\$ 146,509
TOTAL CONSTRUCTION COST		\$ 1,733,445
<b>GRAND TOTAL PROJECT COST</b>		<b>\$ 1,753,445</b>

**PRELIMINARY COST ESTIMATE**  
**(Bridge Widening)**

DATE: July 23, 2003 PREPARED BY: Parsons Brinckerhoff

PROJECT NO.: BRST-9438-(10) Rockdale County

P.I. NO.: 742980

LENGTH: 0.108mi./568 ft.

PROJECT DESCRIPTION: SR 212 over Honey Creek bridge widening - Proposed bridge length of 108 ft and 17.25 feet of widening (8.625' symmetrical widening on each side).

PROPOSED CONCEPT: Two 12'-0" travel lanes with 10'-0" shoulders (6'-6" Paved). Traffic will be maintained on the existing facilities while the bridge and approaches are widened.

EXISTING ROADWAY: STATE ROUTE 212

TRAFFIC: Existing: 10500 ADT (2008)

Design: 18000 ADT (2028)

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

PROJECT COST	
<b>A. RIGHT-OF-WAY:</b>	
1. PROPERTY (R/W & EASEMENT)	\$ 20,000
2. DISPLACEMENTS:	
3. OTHER COST (ADM./COST, INFLATION)	\$ 0
SUBTOTAL:A	\$ 20,000
<b>B. REIMBURSABLE UTILITIES:</b>	
1. RAILROAD	\$ 0
2. TRANSMISSION LINES	\$ 0
3. SERVICES (Rockdale County has signed LGPA.)	\$ 0
SUBTOTAL:B	\$ 0
<b>C. CONSTRUCTION:</b>	
1. MAJOR STRUCTURES	
a. OVERPASSES – Widen Bridge over Honey Creek (17'-3"x 108')@\$110/Sq.Ft	\$ 204,930
b. APPROACH SLAB – 294 SY @\$170/SY	\$ 49,980
SUBTOTAL:C-1	\$ 254,910
2. GRADING AND DRAINAGE:	
a. EARTHWORK — 10,000 CYBorrow @\$5.70/CY	\$ 57,000

PROJECT COST		
b. DRAINAGE:		
1) CROSS DRAIN PIPE		\$
2) LONGITUDINAL PIPE		\$
3) CATCH BASINS		\$
SUBTOTAL:C-2		\$ 57,000
3. BASE AND PAVING:		
a. AGGREGATE BASE Pav Shldr 195 TN @ \$18/TN		\$ 3,510
b. ASPHALT PAVING: SURFACE – Mainline and Pav Shldr 136 TN @ \$37/TN	\$ 5,032	
BINDER – Mainline and Pav Shldr 181 TN @ \$40/TN	\$ 7,240	
BASE –	\$ 0	
SUBTOTAL:C-3.b		\$ 15,782
c. CONCRETE PAVING		
d. OTHER Bituminous Tack Coat 90 Gals.@ \$1.00/Gal		\$ 90
SUBTOTAL:C-3		\$ 28,144
4. LUMP ITEMS:		
a. GRASSING – 1.0 acres @ \$2000/ac		\$ 2,000
b. CLEARING AND GRUBBING - 1.0 acres @ \$2000/ac		\$ 2,000
c. LANDSCAPING		\$
d. EROSION CONTROL- Silt fence type A 500 LF @\$1.70/LF, Silt fence type C 1000 LF @\$3.50/LF, Floating silt fence 200 ft. @\$7.50/LF		\$ 5,850
e. TRAFFIC CONTROL		\$ 50,000
SUBTOTAL:C-4		\$ 59,850
5. MISCELLANEOUS:		
a. LIGHTING - NONE		\$
b. SIGNING - MARKING		\$ 2,000
c. GUARDRAIL – 800 LF @ \$10/LF, 2 ea Type 1 anch @ \$390/ea, 2 ea Type 12 anch @ \$1300/ea		\$ 11,380
d. CURB & GUTTER		\$
SUBTOTAL:C-5		\$ 13,380
6. SPECIAL FEATURES- Rem. Exist. Bridge Rail @\$7/sq.ft-\$5,292; Field Eng. Office Ty 3		

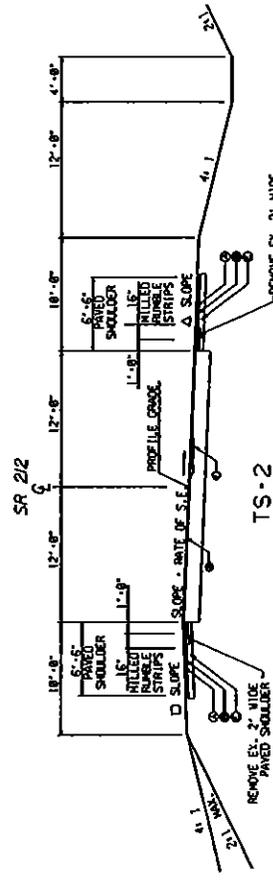
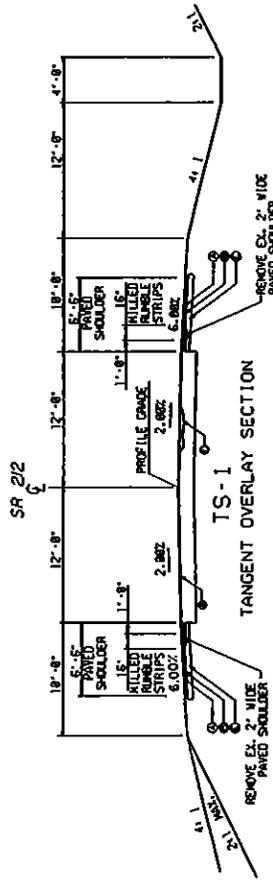
PROJECT COST	
\$40,000	\$ 45,292
SUBTOTAL:C-6	

ESTIMATE SUMMARY		
A. RIGHT-OF-WAY		
	\$ 20,000	
B. REIMBURSABLE UTILITIES (Rockdale Co. has signed LGPA.)		
	\$ 0	
C. CONSTRUCTION		
1. MAJOR STRUCTURES		
	\$ 254,910	
2. GRADING AND DRAINAGE		
	\$ 57,000	
3. BASE AND PAVING		
	\$ 28,144	
4. LUMP ITEMS		
	\$ 59,850	
5. MISCELLANEOUS		
	\$ 13,380	
6. SPECIAL FEATURES		
	\$ 45,292	
SUBTOTAL CONSTRUCTION COST		\$ 458,576
E. & C. (10%)		\$ 50,559
INFLATION (5% PER YEAR)		
NUMBER OF YEARS	2	\$ 47,005
TOTAL CONSTRUCTION COST		\$ 556,140
GRAND TOTAL PROJECT COST		\$ 576,140

STATE	PROJECT NUMBER	SHEET TOTAL
GA.	BRST-9438(10)	NO. SHEETS

# TYPICAL SECTIONS

## S.R. 212



THE ABOVE SECTIONS APPLY FROM STA 10+00 TO STA 10+100.00 AND FROM STA 10+100.00 TO STA 10+200.00.

- ⓐ RECYCLED ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, CP 2 ONLY, INCL. BITUM. MATL. & H. LINE - 125/ST (MIX LEVEL B)
- ⓑ RECYCLED ASPHALTIC CONCRETE 19 MM SUPERPAVE, CP 1 OR 2, INCL. BITUM. MATL. & H. LINE - 225/ST (MIX LEVEL B)
- ⓒ RECYCLED ASPHALTIC CONCRETE 25 MM SUPERPAVE, CP 1 OR 2, INCL. BITUM. MATL. & H. LINE - 440/ST (MIX LEVEL A)
- ⓓ ENRICHED AGGREGATE BASE COURSE, 12\"/>

**ALLOWABLE RANGES TABLE**  
 FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PARALLEL SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

SECTION WITH CURVES	SECTION WITH CURVES LESS THAN 0.2%
MINIMUM: 0.41% DESIRABLE: 0.67% MAXIMUM: 1.15%	MINIMUM: 0.41% DESIRABLE: 0.67% MAXIMUM: 1.15%

- A. NORMAL CROWN
- B. SUPERELEVATION RATE  
 S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.
- C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)  
 CORRESPONDING DIFFERENCE IN GRADE BETWEEN ADJ. POINT AND EDGE OF PARALLEL: 0.67%  
 MINIMUM: 1150'  
 DESIRABLE: 1200'  
 MAXIMUM: 1300'
- D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES  
 SIZE OF TRANSITION INSIDE CURVE: MAXIMUM  
 SIZE OF TRANSITION INSIDE CURVE: DESIRABLE  
 SIZE OF TRANSITION INSIDE CURVE: MINIMUM
- E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).

SLOPE CONTROLS	
SLOPE	CONTROL
4:1	OUT FILL
3:1	LOWER SLOPE
2:1	LOWER SLOPE

SEE SHEET 6 FOR QUADRANT DETAIL

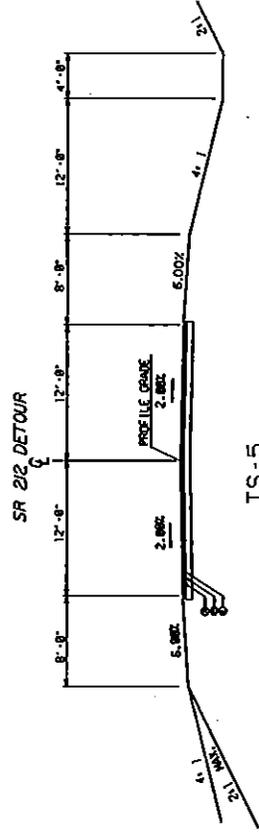
- 4 SLOPE OR RATE OF S.E. WHICHEVER IS GREATER
- OR SLOPE AS FOLLOWS:  
 S.E. RATE OF 0.2% OR LESS USE 1/2" IN 1'-0"  
 S.E. RATE OF 0.2% USE 3/4" IN 1'-0"  
 S.E. RATE OF 0.2% USE 1" IN 1'-0"  
 S.E. RATE OF 0.2% USE 1 1/2" IN 1'-0"  
 S.E. RATE OF 0.2% USE 2" IN 1'-0"  
 ALGEBRAIC DIFFERENCE IN PAVING AND SHOULDER SLOPES NOT TO EXCEED 0.007/FT



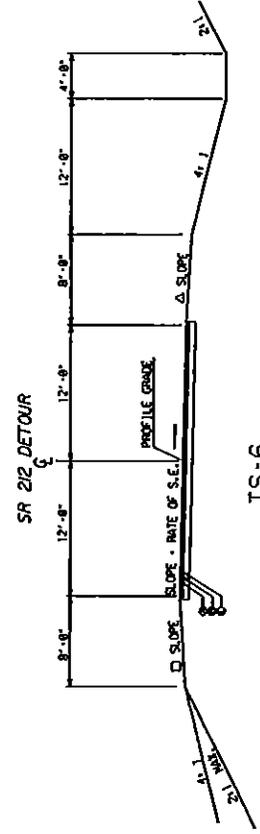


STATE	PROJECT NUMBER	SHEET TOTAL
GA.	BRST-9438(10)	NO. SHEETS

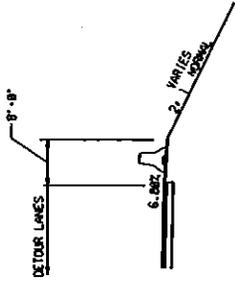
# TYPICAL SECTIONS S.R. 212 DETOUR SECTIONS



TS-5  
TANGENT DETOUR SECTION



TS-6  
SUPERELEVATED DETOUR SECTION



CONCRETE BARRIER SECTION  
SEE PLANS FOR LOCATION

SLOPE	CONTRACT'S
4:1	CUT FILL
3:1	OVER 6" COVER
2:1	UNDER 6" COVER

REQUIRES GUARDRAIL  
SEE SHEET 6 FOR GUARDRAIL DETAIL

△ SLOPE 6% OR RATE OF S.E. WHICHEVER IS GREATER  
□ SLOPE AS FOLLOWS:  
S.E. RATE OF 2% UNLESS USE 1.7% IN 1'-0"  
S.E. RATE OF 2% UNLESS USE 1.7% IN 1'-0"  
S.E. RATE OF 2% UNLESS USE 1.7% IN 1'-0"  
S.E. RATE OF 2% UNLESS USE 1.7% IN 1'-0"  
ALLEGED DIFFERENCE IN PAVING AND SHOULDER  
SLOPES NOT TO EXCEED 8.00%/FT

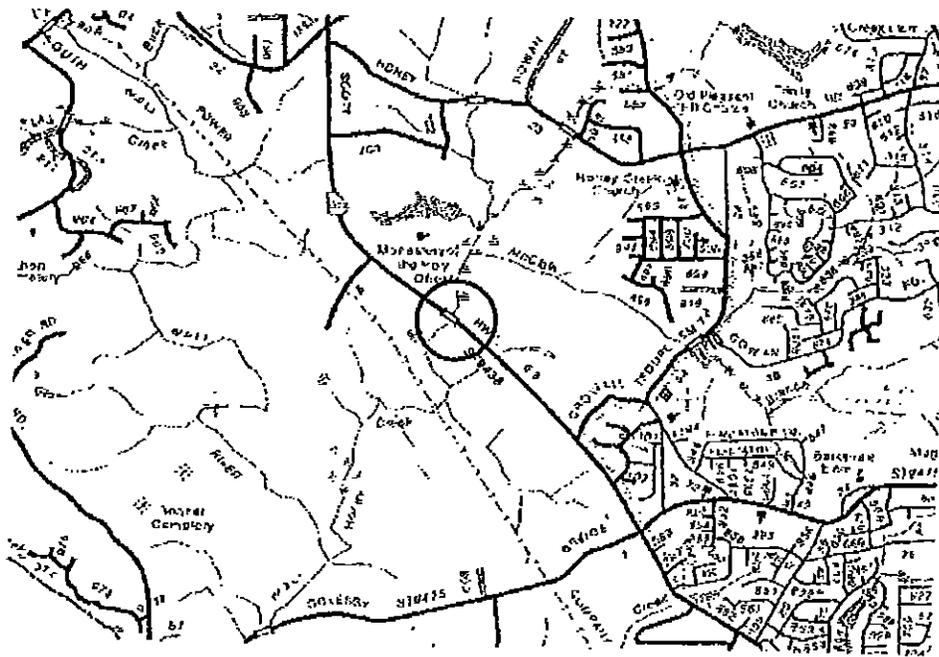


- ⓐ RECYCLED ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, CP 2 ONLY, INCL. BITUM. MATL. & H. LINE - 105#/CY (MIX LEVEL B)
- ⓑ RECYCLED ASPHALTIC CONCRETE 19 MM SUPERPAVE, CP 1 OR 2, INCL. BITUM. MATL. & H. LINE - 220#/CY (MIX LEVEL B)
- ⓒ RECYCLED ASPHALTIC CONCRETE 25 MM SUPERPAVE, CP 1 OR 2, INCL. BITUM. MATL. & H. LINE - 440#/CY (MIX LEVEL A)
- ⓓ GRADED AGGREGATE BASE COURSE, 12", INCLUDING MATERIAL
- ⓔ GRADED AGGREGATE BASE COURSE, 5", INCLUDING MATERIAL
- ⓕ RECYCLED ASPHALTIC CONCRETE LEVELING, INCLUDING BITUMINOUS MATERIAL & H. LINE - AS REQUIRED

## - NEED AND PURPOSE -

**PROJECT: BRST-9438 (10), Rockdale County  
P.I. 742980**

### **SR 212 Bridge Replacement Project**



#### **Background**

Bridge project BRST-9438(10) will replace the structurally deficient bridge located on State Route 212 over Honey Creek. This bridge was built in 1950 and consists of concrete bents, steel beam superstructure, and a concrete deck. The original design load capacity is H-15. The sufficiency rating on the structure is 57.27, and the bridge is classified as Functionally Obsolete and requires widening. The office of Bridge Maintenance has determined that any structure with a sufficiency rating less than 50 should be replaced rather than improved. This bridge has a sufficiency rating of 57.27. However, in accordance with DOT policy 2405-1, the Office of Bridge Maintenance has recommended that this bridge be replaced due to unacceptable load capacity. This project will replace the existing bridge with a structurally adequate bridge. There is no pedestrian traffic therefore no sidewalks are proposed to be included as part of the design.

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

SR 212 serves regional needs as a growing rural corridor beginning at the east end of the Metro-Atlanta area, traversing southeasterly through the county to the City of Monticello. It is not designated as a part of the National Highway System of Roads nor a state or county designated on-street bicycle route. It is a local school bus route with a posted speed of 55 MPH throughout the corridor. The bridge is located 2.9 miles south of SR 138. An area attraction, the Monastery of the Holy Ghost is just north of the project area approximately 1 mile.

SR 212 is functionally classified as a Urban Minor Arterial, with an estimated 10% truck traffic.

The facility consists of two 12' lanes with variable width rural shoulders, over generally gently rolling grades and curves. Current AADT is 8200; with design year 2028 projected AADT approximately 18000 vehicles.

**Programmed Projects in the Area**

Project	Description	Expected Beginning or Completion Date
PI 730907 RO-028 Rockdale County	Widening to 4 lanes SR 20 from SR 212 to Honey Creek Road	Proposed Construction 2010 Long Range
PI 770935 RO-AR-177 Rockdale County	Sidewalks/Enhancement Project	CWP Approved for Construction 2006

**Community Characteristics**

This project does not disproportionately burden or benefit any particular community. The project is surrounded by undeveloped land and few farms. The project is considered to be a benefit to all the communities that use the bridge because of the improved bridge condition.

**Statement of Need and Purpose**

Replacing the bridge on SR 212 over Honey Creek will bring it up to current AASHTO geometric design standards. The replacement bridge is designed to allow for future widening should it become necessary. The purpose of the proposed improvement is to provide better mobility through this section of SR212 roadway and an overall safer driving environment for thru and local traffic. The above defined improvement is necessary and recommended to enhance the operating serviceability and provide a bridge that would adequately and safely serve current and future travel demand on this portion of State Route 212.





# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 247-0015-0

Rockdale

SUFF. RATING

57.27

## Location & Geography

\* Structure I.D.No: 247-0015-0  
 \* 200 Bridge Information: 07  
 \* 6A Feature Int: HONEY CREEK  
 \* 6B Critical Bridge: 0  
 \* 7A Route Number Carried: SR00212  
 \* 7B Facility Carried: SR 212  
 \* 9 Location: 4.5 MILES SOUTH OF CONYERS.

2 DOT District: 7  
 207 Year Photo: 1999  
 \* 91 Inspection Frequency: 24 Date: 10/23/2001  
 92A Fract Crit Insp Freq: 00 Date: 02/01/1901  
 92B Underwater Insp Freq: 00 Date: 02/01/1901  
 92C Other Spc. Insp Freq: 00 Date: 02/01/1901  
 \* 4 Place Code: 00000  
 \* 5 Inventory Route (O/U): 1

Type: 3  
 Designation: 1  
 Number: 00212  
 Direction: 0  
 \* 16 Latitude: 33-34.8 HMMS Prefix: SR  
 \* 17 Longitude 84-03.9 HMMS Suffix: 212 MP: 4.97  
 98 Border Bridge: 000 %Shared: 00  
 99 ID Number: 0000000000000000

\* 100 STRAHNET: 0  
 12 Base Highway Network: 1  
 13A LRS Inventory Route: 2471021200  
 13B Sub Inventory Route: 0  
 \* 101 Parallel Structure: N  
 \* 102 Direction of Traffic: 2  
 \* 264 Road Inventory Mile Post: 004.97  
 \* 208 Inspection Area: 07 Initials: DAS  
 Engineer's Initial: wmd

\* Location I.D. No.: 247-00212D-004.97E  
 Protection: 8

## Signs & Attachments

\* 104 Highway System: 0  
 \* 26 Functional Classification: 16  
 \* 204 Federal Route Type: S No.: 09438  
 \* 105 Federal Lands Highway: 0  
 \* 110 Truck Route: 0  
 206 School Bus Route: 1  
 217 Benchmark Elevation: 0000.00  
 218 Datum: 0  
 \* 19 Bypass Length: 05  
 \* 20 Toll: 3  
 \* 21 Maintenance: 01  
 \* 22 Owner: 01  
 \* 31 Design Load: 2  
 37 Historical Significance: 5  
 205 Congressional District: 11

27 Year Constructed: 1950  
 106 Year Reconstructed: 0000  
 33 Bridge Median: 0  
 34 Skew: 00  
 35 Structred Flared: 0  
 38 Navigation Control: 0  
 213 Special Steel Design: 0  
 267 Type of Paint: 5  
 \* 42 Type of Service on: 1  
 Under: 5  
 214 Movable Bridge: 0  
 203 Type Bridge: A-O-M-O  
 259 Pile Encasement: 3  
 \* 43 Structure Type Main: 4 02  
 45 No. Spans Main: 004  
 44 Structure Type Appr: 0 00  
 46 No. Spans Appr: 0000  
 226 Bridge Curve Horiz: 0 Vert: 1  
 111 Pier Protection: 0  
 107 Deck Structure Type: 1  
 108 Wearing Surface Type: 1  
 Membrane: 0  
 Protection: 8

\* 230 Guardrail Loc Dir Rear: 3  
 Fwrd: 3  
 Oppo Dir Rear: 0  
 Fwrd: 0  
 244 Approach Slab: 3  
 224 Retaining Wall: 0  
 233 Posted Speed Limit: 55  
 236 Warning Sign: 1  
 234 Delineator: 1  
 235 Hazard Boards: 1  
 237 Utilities Gas: 00  
 Water: 00  
 Electric: 00  
 Telephone: 00  
 Sewer: 00  
 247 Lighting Street: 0  
 Navigaton: 0  
 Aerial: 0  
 \* 248 County Continuity No.: 00

225 Expansion Joint Type: 02  
 242 Deck Drains: 1  
 243 Parapet Location: 0  
 Height: 0.00  
 Width: 0.00  
 238 Curb: 1.10 1  
 239 Handrail: 1 1  
 \* 240 Median Barrier Rail: 0  
 241 Bridge Median Height: 0.00  
 Width: 0.00

# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 247-0015-0

Rockdate

SUFF. RATING

57.27

## Programming Data

201 Project No.: S-112 (1)  
 202 Plans Available: 0  
 249 Prop. Proj. No.: BRST-9438 (10)  
 250 Approval Status: 0000  
 251 P.I. No.: 742980-  
 252 Contract Date: 02/01/2006  
 260 Seismic No.: 00000  
 75 Type Work: 34 1  
 94 Bridge Imp. Cost: \$ 116  
 95 Roadway Imp. Cost: \$ 52  
 96 Total Imp Cost: \$ 220  
 76 Imp. Length: 000319  
 97 Imp. Year: 1990  
 114 Future ADT: 12300 Year: 2020

## Measurements

\* 29 ADT: 008200 Year: 2000  
 109 % Trucks: 2  
 \* 28 Lanes On: 02 Under: 00  
 210 No. Tracks On: 00 Under: 00  
 \* 48 Max. Span Length: 0027  
 \* 49 Structure Length: 108  
 51 Br. Rwdy. Width: 23.70  
 52 Deck Width: 30.00  
 \* 47 Tot. Horz. Cl: 23.70  
 50 Curb/Sdewlk Width: 2.00/2.00  
 32 Approach Rdwy Width: 024  
 \* 229 Shoulder Width:

Rear Lt.: 6.00 Type: 8 Rt: 6.00  
 Fwd Lt.: 6.00 Type: 8 Rt: 6.00  
 Pavement Width:

Rear: 24.00 Type: 2  
 Fwd: 24.00 Type: 2  
 Intersection Rear: 0 Fwd: 0

36 Safety Features Br. Rail:  
 Transition: 2

App. G. Rail: 2  
 App. Rail End: 2

53 Minimum Cl. Over:  
 Under: N  
 99' 99" 00' 00"

\* 228 Min. Vertical Cl  
 Act. Odm Dir: 99' 99"  
 Oppo. Dir: 99' 99"  
 Posted Odm. Dir: 00' 00"  
 Oppo. Dir: 00' 00"

55 Lateral Undercl. Rt: N 99.90  
 56 Lateral Undercl. Lt: 0.00  
 \* 10 Max. Min Vert Cl: 99' 99" Dir: 0

39 Nav Vert Cl: 000 Horz: 0000  
 116 Nav Vert Cl Closed: 000  
 245 Deck Thickness Main: 7.00

Deck Thick Approach: 0.00  
 246 Overlay Thickness: 0.00  
 212 Year Last Painted: Sup: 2000 Sub: 0000

## Hydraulic Data

215 Waterway Data  
 Highwater Elev.: 0000.0 Year: 1900  
 Avg. Streambed Elev.: 0000.0 Freq.: 00

Drainage Area: 00000  
 Area Of Opening: 000000  
 113 Scour Critical: 6

216 Water Depth: 02.0 Br. Height: 12.8  
 222 Slope Protection: 1

221 Spur Dikes Rear: 0 Fwd: 0  
 219 Fender System: 0  
 220 Dolphin: 0

223 Culvert Cover: 000  
 Type: 0  
 No. Barrels: 0

Width: 0.00 Height: 0.00  
 Length: 0 Apron: 0 Diver: ZZZ  
 \* 265 U/W Insp. Area: 0

## Ratings

65 Inventory Rating Method: 2  
 63 Inventory Rating Method: 2  
 66 Inventory Type: 2 Rating: 22  
 64 Operating Type: 2 Rating: 36  
 231 Calculated Loads

H-Modified: 20 0  
 HS-Modified: 25 0  
 Type 3: 27 0  
 Type 3s2: 40 0  
 Timber: 36 0  
 Piggyback: 40 0

261 H Inventory Rating: 15  
 262 H Operating Rating: 21  
 67 Structural Evaluation: 5  
 58 Deck Condition: 7

59 Superstructure Condition: 7  
 \* 227 Collision Damage: 0  
 60A Substructure Condition: 8  
 60B Scour Condition: 6

60C Underwater Condition: N  
 71 Waterway Adequacy: 8  
 61 Channel Protection Cond: 7  
 68 Deck Geometry: 2

69 UnderClr. Horz/Vert: N  
 72 Appr. Alignment: 7  
 62 Culvert: N

## Posting Data

70 Bridge Posting Required: 5  
 41 Struct Open, Posted, Cl: A

\* 103 Temporary Structure: 0  
 232 Posted Loads H-Modified: 00  
 HS-Modified: 00

Type 3: 00  
 Types2: 00  
 Timber: 00  
 Piggyback: 00

253 Notification Date: 02/01/1901  
 253 Fed Notify Date: 02/01/1901

0



PBOD

# Department of Transportation State of Georgia

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

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

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

EARL MAHFUZ  
TREASURER  
(404) 656-5224

## INTERDEPARTMENT CORRESPONDENCE

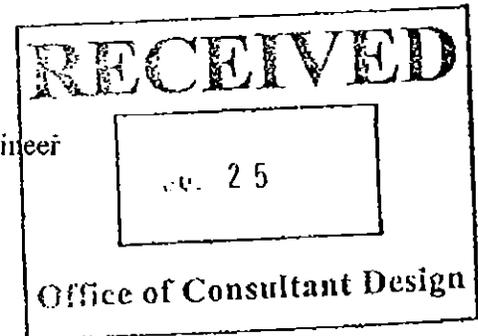
July 24, 2002

  
**FROM:** Buddy Gratton, P.E., State Maintenance Engineer

**TO:** James B. Buchan, P.E., State Consultant Design Engineer  
Attn: Ted Cashin

**SUBJECT:** Bridge Replacement

BRST-9438 (10) / Rockdale  
Structure ID 247-0015-0  
Location ID 247-00212D-004.97E  
SR 212 over Honey Creek



This bridge was built in 1950 and consists of concrete bents, steel beam superstructure, and a concrete deck. The original design load capacity is H-15. The sufficiency rating on the structure is 57.3, and the bridge is classified as Functionally Obsolete and requires widening. However, in accordance with DOT policy 2405-1, we recommend that this bridge be replaced though due to unacceptable load capacity. Due to this criteria no additional cost analysis or coring by the lab will be required. This bridge does not currently qualify for federal replacement BR funding but does qualify for federal bridge widening funds which can be used toward replacement up to the estimated cost of widening. The remaining funds would have to come from another funding source.

If further information is required, please contact Brian Summers at (404) 635-8179.

BG/BKS

cc: Percy Middlebrooks



**Parsons  
Brinckerhoff** 3340 Peachtree Road, NE  
Suite 2400, Tower Place  
Atlanta, GA 30326-1001  
404-237-2115  
Fax 404-237-3015

## **Memorandum of Meeting No. 1**

**Date:** October 29, 2003

**Date of Meeting:** August 27, 2003

**Project:** BRST-9438(10) Rockdale County  
P. I. 742980

**Purpose of Meeting:** Concept Team meeting for the bridge replacement project in Rockdale County on S.R. 212 over Honey Creek approximately 2.9 miles south of Jct. S.R. 138.

**Meeting Location:** District 7 office located in Chamblee.

**Attendees:** Robert Crawford, District 7 Planning Engineer  
Sharon Witherspoon, District 7 Metro Utility Engineer  
Wayne Kitchens, Snapping Shoals EMC  
Robert R. Moses, PBQD  
Edgar N. Leicht, PBQD

**Distribution:** Attendees  
Thomas Howell, GDOT District 3 Engineer  
Ted Cashin, GDOT Office of Consultant Design  
John Durand, PBQD

### **Preamble:**

1. Most of the representatives invited to the Concept Team Meeting were not in attendance. Those who attended introduced themselves to one another prior to the start of the meeting, which had been scheduled to start at 9:00 AM.
2. All attendees wrote their names, phone numbers, and e-mail addresses on the sign-in sheet prior to the start of the meeting.



Minutes of Meeting  
October 29, 2003  
Page 2

**Discussion:**

1. Robert Moses posted on the bulletin board the Concept Layout. He distributed copies of the concept report to the attendees and began the meeting as follows:
  - Stated that the meeting was a Concept Team Meeting for Project BRST-9438(10), Rockdale County, which is a bridge replacement on S.R. 212 over Honey Creek.
  - Noted that since only one of the six utilities invited was represented, the meeting would need to be rescheduled and that this meeting would be considered an "initial" concept team meeting.
  - Oriented attendees with directions and features shown on the Concept Layout.
  - Indicated that as late as August 26, 2003, it was believed the profile of the proposed bridge would have to be roughly 6 to 8 feet higher than that of the existing bridge for reasons involving hydraulics and existing road elevations. Information just acquired would allow that estimate to be revised downward to 1 to 3 feet higher.
  
2. Sharon Witherspoon asked:
  - Is the bridge being designed with future 4-laning of S.R. 212 through Rockdale County in mind? Moses replied that it was not.
  
3. Wayne Kitchens indicated:
  - Snapping Shoals EMC has only a single phase overhead line crossing the alignment at the site. He indicated the line follows an old road alignment and indicated that realigning the overhead wires would not be difficult.
  
4. Moses indicated:
  - Another meeting would be scheduled in 2 to 3 weeks. Crawford, Witherspoon and Kitchens indicated a meeting starting in the late morning or early afternoon would be more practical for utility representatives to attend.
  - The meeting was adjourned at 9:35 AM.
  
5. Witherspoon asked for and received the Concept Layout illustration.



Minutes of Meeting  
October 29, 2003  
Page 3

The foregoing is my understanding of the topics discussed. Thanks

Sincerely,

**PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.**

Edgar N. Leicht, EIT



**Parsons  
Brinckerhoff** 3340 Peachtree Road, NE  
Suite 2400, Tower Place  
Atlanta, GA 30326-1001  
404-237-2115  
Fax 404-237-3015

## Memorandum of Meeting

**Date:** October 29, 2003

**Date of Meeting:** October 3, 2003

**Project:** SR 212 Bridge Replacement over Honey Creek  
BRST-9438(10) Rockdale County P.I. 742980  
PB Project 15877A WO 11

**Purpose of Meeting:** Follow-up Concept Meeting

**Meeting Location:** District 7 Office

**Attendees:** Ted Cashin, OCD-GDOT  
Tom Parker, Area Engineer, GDOT  
Key Phillips, District Pre-Construction-GDOT  
Jim Graybeal, PBQD  
Jennifer Harper, PBQD

**Distribution:** Attendees

### Discussion:

1. The concept aerial photography with proposed design was reviewed
2. Jim read through the concept report and discussed the changes that would be made:
  - a) Detour Shoulders will be 8' wide due to clear zone requirements.
  - b) The detour bridge will be the same length as the existing bridge approximately 110'.
  - c) The detour bridge will be skewed not parallel as stated in the report.
3. Key provided a copy of the Need and Purpose letter for approval from the draft concept report.
4. Ted stated that the concept report is correct in stating the bridge is structurally deficient.
5. Jennifer stated the K-values for the proposed alignment would meet 65 mph to accommodate any future 4-lane projects.
6. Ted stated the detour design speed could be dropped to 35mph if necessary.
7. Ted stated that if the detour on the north sided adversely affected the entrance to the Green property then shifting the detour to the south should be considered.
8. Key indicated some concern that the bridge should not be considered as structurally deficient due to the 57 sufficiency rating.

**NOTICE OF LOCATION AND DESIGN APPROVAL**

**Project No. BRST-9438-(10), ROCKDALE COUNTY**

**P.I. No. 742980**

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: FEBRUARY 5, 2003

This project consists of improvements of S.R. 212 over Honey Creek, located in Rockdale County, in the 561st GMD. The improvement project includes replacing the existing bridge over Honey Creek and an "on-site" detour to the southwest of the existing bridge to maintain traffic during construction.

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

Thomas C. Parker  
Area Engineer

[Tom.Parker@dot.state.ga.us](mailto:Tom.Parker@dot.state.ga.us)

805 George Luther Drive

Decatur, Ga. 30032

Tel. No. 404-299-4386

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:

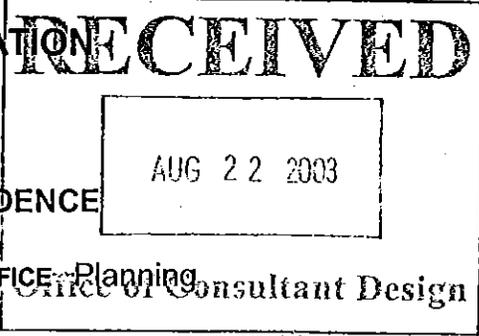
Ted Cashin

Office of Consultant Design

[Ted.Cashin@dot.state.ga.us](mailto:Ted.Cashin@dot.state.ga.us)

Georgia Department of Transportation

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENTAL CORRESPONDENCE

File

OFFICE OF Planning  
Office of Consultant Design

DATE August 20, 2003

FROM

Joseph P. Palladi, P.E. State Transportation Planning Administrator

TO

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

SUBJECT

PROJECT CONCEPT CONFORMITY - CERTIFICATION FOR FINAL FIELD PLAN REVIEW - Project BRST-9438(10), P.I. 742980 Rockdale County, Bridge Replacement on SR 212 over Honey Creek 2.9 miles south of SR 138.

The Office of Planning is providing this letter as confirmation of certification as defined in the Plan Development Process Manual of Guidance. The concept plans for the Final Field Plan Review are in conformance with the adopted Air Quality Model of the Atlanta Regional Transportation Plan and the State Transportation Improvement Program.

By copy of this letter, the project concept is found to conform to the Atlanta Regional Transportation Plan based on the August 20, 2003, review. If any changes occur to the proposed concept, please notify this office immediately. If you have any questions, please John Gregory at 404-463-4375.

JPP:jkg

cc: Tom Turner

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

**PROJECT CONCEPT REPORT**

Project Number: BRST-9438(10)

County: Rockdale

P. I. Number: 742980

Federal Route Number: N/A

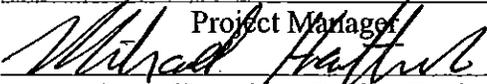
State Route Number: 212

DESCRIPTION: Bridge replacement on S.R. 212 over Honey Creek in Rockdale County.

Recommendation for approval:

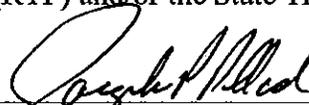
DATE 12-11-03

DATE 12-11-03

  
\_\_\_\_\_  
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 12/15/03

  
\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Financial Management Administrator

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Operations Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
District 7 Engineer, Chamblee

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

FILE: P.I. # 742980

OFFICE: Environment/Location

DATE: December 23, 2003

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

TO: Meg Pirkle, Assistant Director of Preconstruction

**SUBJECT: PROJECT CONCEPT REPORT  
BRST-9438(10)/Rockdale County  
SR 212 over Honey Creek 2.9 mi S of Jct SR 138**

The above subject concept report has been reviewed. Six months to complete environmental is very aggressive. This report is incorrect regarding the 404 permit. As the project affects a mitigation site, an individual permit is required. A PAR will also be required. The time allotted for the permit is grossly under estimated. We would need at least 8 months or more.

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

HDK/sdw

Attachment

cc: David Mulling, P.E.  
Brent Story

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-9438(10)

County: Rockdale

P. I. Number: 742980

Federal Route Number: N/A

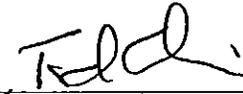
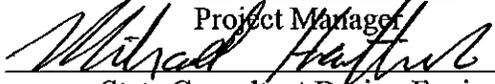
State Route Number: 212

DESCRIPTION: Bridge replacement on S.R. 212 over Honey Creek in Rockdale County.

Recommendation for approval:

DATE 12-11-03

DATE 12-11-03

  
\_\_\_\_\_  
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).

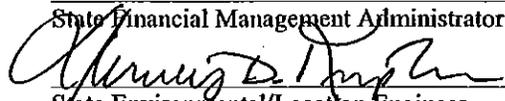
DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Financial Management Administrator

DATE 12.19.03

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Operations Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
District 7 Engineer, Chamblee

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Design Engineer

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

PROJECT CONCEPT REPORT

Project Number: BRST-9438(10)

County: Rockdale

P. I. Number: 742980

Federal Route Number: N/A

State Route Number: 212

DESCRIPTION: Bridge replacement on S.R. 212 over Honey Creek in Rockdale County.

Recommendation for approval:

DATE 12-11-03

DATE 12-11-03

  
\_\_\_\_\_  
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 \_\_\_\_\_

DATE 12/11/03

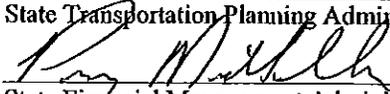
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DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator  
  
\_\_\_\_\_  
State Financial Management Administrator

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

\_\_\_\_\_  
State Traffic Operations Design Engineer

\_\_\_\_\_  
District 7 Engineer, Chamblee

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

\_\_\_\_\_  
State Bridge and Structural Design Engineer

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

**PROJECT CONCEPT REPORT**

Project Number: BRST-9438(10)

County: Rockdale

P. I. Number: 742980

Federal Route Number: N/A

State Route Number: 212

DESCRIPTION: Bridge replacement on S.R. 212 over Honey Creek in Rockdale County.

Recommendation for approval:

DATE 12-11-03

DATE 12-11-03

  
\_\_\_\_\_  
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 \_\_\_\_\_

\_\_\_\_\_  
State Financial Management Administrator

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Operations Design Engineer

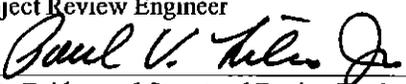
DATE \_\_\_\_\_

\_\_\_\_\_  
District 7 Engineer, Chamblee

DATE \_\_\_\_\_

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

DATE 1/3/04

  
\_\_\_\_\_  
State Bridge and Structural Design Engineer

Department of Transportation  
State of Georgia

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INTERDEPARTMENTAL CORRESPONDENCE

File: BRST-9438(10) Rockdale County  
P.I. No. 742980

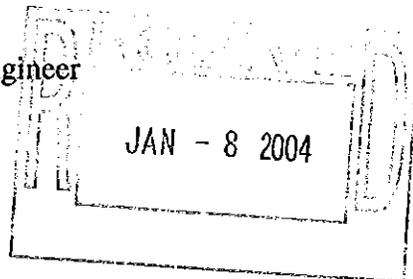
Office: Traffic Safety & Design  
Atlanta, Georgia

Date: December 19, 2003

From: <sup>PMA/sg</sup> Phillip M. Allen, State Traffic Safety and Design Engineer

To: Meg Pirkle, Assistant Director of Preconstruction

Subject: Project Concept Report Review



We have reviewed the above referenced concept report for the replacement of the bridge on State Route 212 over Honey Creek in Rockdale County.

The Office of Traffic Safety & Design finds this report satisfactory for approval because it will improve safety and traffic operations within this area.

PMA/sz

Attachment (signature page)

Cc: Harvey Keeper, State Environment/Location Engineer  
Brent Story, State Consultant Design Engineer  
Attn: Ted Cashin  
Buddy Gratton, District Engineer  
Attn: Key Phillips  
David Mulling, State Review Engineer, w/ attachment  
Paul Liles, State Bridge & Structural Design Engineer  
Joe Palladi, State Transportation Planning Administrator  
Kathy Bailey, TMC  
General Files  
Office Files

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

**PROJECT CONCEPT REPORT**

Project Number: BRST-9438(10)  
County: Rockdale  
P. I. Number: 742980

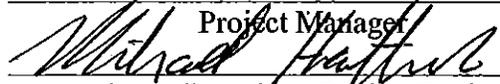
Federal Route Number: N/A  
State Route Number: 212

DESCRIPTION: Bridge replacement on S.R. 212 over Honey Creek in Rockdale County.

Recommendation for approval:

DATE 12-11-03

DATE 12-11-03

  
\_\_\_\_\_  
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

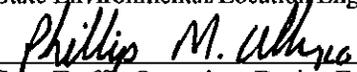
DATE \_\_\_\_\_

\_\_\_\_\_  
State Financial Management Administrator

DATE \_\_\_\_\_

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

DATE 12-22-03

  
\_\_\_\_\_  
State Traffic Operations Design Engineer  
*Safety*

DATE \_\_\_\_\_

\_\_\_\_\_  
District 7 Engineer, Chamblee

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Design Engineer

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

PROJECT CONCEPT REPORT

Project Number: BRST-9438(10)

County: Rockdale

P. I. Number: 742980

Federal Route Number: N/A

State Route Number: 212

DESCRIPTION: Bridge replacement on S.R. 212 over Honey Creek in Rockdale County.

Recommendation for approval:

DATE 12-11-03

DATE 12-11-03



Project Manager  
Michael Haffner  
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 \_\_\_\_\_

\_\_\_\_\_  
State Financial Management Administrator

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Operations Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
District 7 Engineer, Chamblee

DATE 12-18-03

David J. Mullery *Rev*  
Project Review Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Design Engineer