

ORIGINAL TO GENERAL FILES

D.O.T. 66

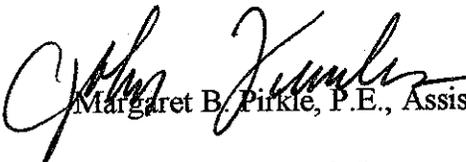
DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** BR-0003-00(084) Harris County  
P. I. No. 0003084

**OFFICE** Preconstruction

**DATE** March 4, 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

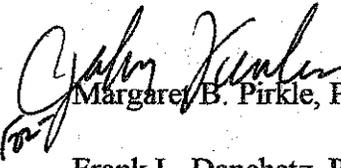
DISTRIBUTION:

David Mulling  
Harvey Keeper  
Jerry Hobbs  
Percy Middlebrooks  
Michael Henry  
Phillip Allen  
Marta Rosen  
Paul Liles  
Ben Buchan  
Thomas Howell  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BR-0003-00(084) Harris County **OFFICE** Preconstruction  
P.I. No. 0003084 **DATE** February 18, 2003

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

**TO** Frank L. Danchetz, P.E., Chief Engineer

**SUBJECT PROJECT CONCEPT REPORT**

This project is the replacement of a structurally deficient bridge on CR 140/Whitesville Road over Standing Boy Creek Tributary North, 11.5 miles southwest of Hamilton, Georgia. The existing bridge, constructed in 1945, is load limited with a sufficiency rating of 29. County Road 140 at this location is a rural two lane gravel roadway with 9' travel lanes with no shoulders. This section of CR 140 is functionally classified as a rural local road. Traffic is projected to be 300 VPD and 450 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 80' x 30' concrete bridge over Standing Boy Creek Tributary North at the existing bridge site. The approaches will consist of two, 11' lanes 4' rural shoulders. Traffic will be maintained during construction utilizing an off-site detour.

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 and inflation)	\$293,000	\$266,000	2004	FY-04
Right-of-Way & Utilities*	Local	Local		

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

This project must be coordinated with projects BR-0003-00(085) and BR-0003-00(086) and constructed separately.

Frank L. Danchetz

Page 2

BR-0003-00(084) Harris

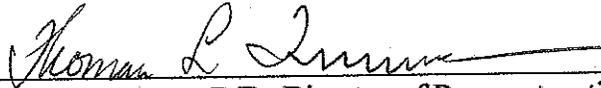
February 18, 2003

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

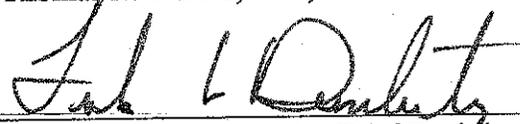
MBP:JDQ/cj

Attachment

CONCUR

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

APPROVE

  
Frank L. Danchetz, P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE:** BR-0003-00(084) Harris  
P.I. Number 0003084

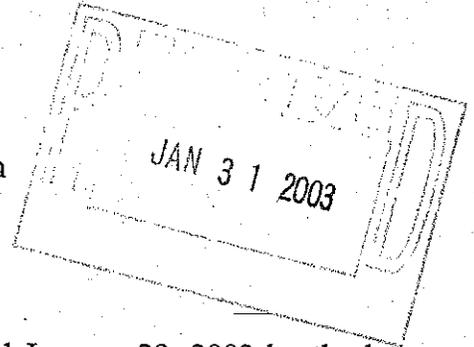
**OFFICE:** Engineering Services

**DATE:** January 30, 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 January 29, 2003 by the letter from James B. Buchan dated January 22, 2003, and have the following comments.

- Estimated costs for reimbursable utility relocations should be included for informational purposes.
- Inflation costs were incorrect.

The costs for this project are:

Construction	\$241,433
Inflation	\$24,750
E&C	\$26,620
Reimbursable Utilities	\$? (LGPA signed 10/16/01)
Right of Way	\$10,000 (LGPA signed 10/16/01)

REW

c: Ben Buchan, Attn: Otis Clark

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> BR-003-00(084)		<b>County:</b> Harris		<b>PI No.:</b> 0003084	
<b>Report Date:</b> January 22, 2003		<b>Concept By:</b> DOT Office: Consultant Design			
<input checked="" type="checkbox"/> Concept Stage		Consultant: Kimley-Horn			
<b>Project Type:</b> Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input checked="" type="checkbox"/> Bridge Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
<b>FOCUS AREAS</b>	<b>SCORE</b>	<b>RESULTS</b>			
<b>Presentation</b>	90	Estimated costs for Utility relocations should be included for informational purposes. Inflation costs shown were incorrect.			
<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**

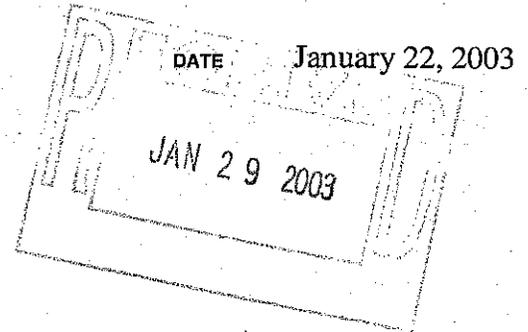
**FILE** **BR-0003-00(084) Harris County**  
CR 140/Whitesville Road at Standing Boy Creek Trib. North  
P.I. No. 0003084

**OFFICE** Atlanta

**FROM** *James B. Buchan* <sup>NEA</sup>  
James B. Buchan, 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 Otis Clark at (404)463-6265 or Don Harris of URS Corporation at (404) 888-8800.

*Distribution:*

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

JBB:MBA:OC

cc: URS Corporation

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

*Office of Consultant Design*  
**PROJECT CONCEPT REPORT**

Project Number: BR-0003-00(084)

County: Harris

P.I. Number: 0003084

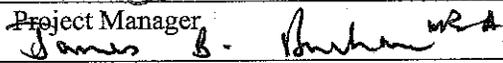
Federal Route Number: N/A

State Route Number: N/A

DESCRIPTION: CR 140/Whitesville Road at Standing Boy Creek Tributary North  
Recommendation for approval:

DATE 1-22-03

DATE 1-27-03

  
\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
State Consultant Design Engineer

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
District 3 Engineer

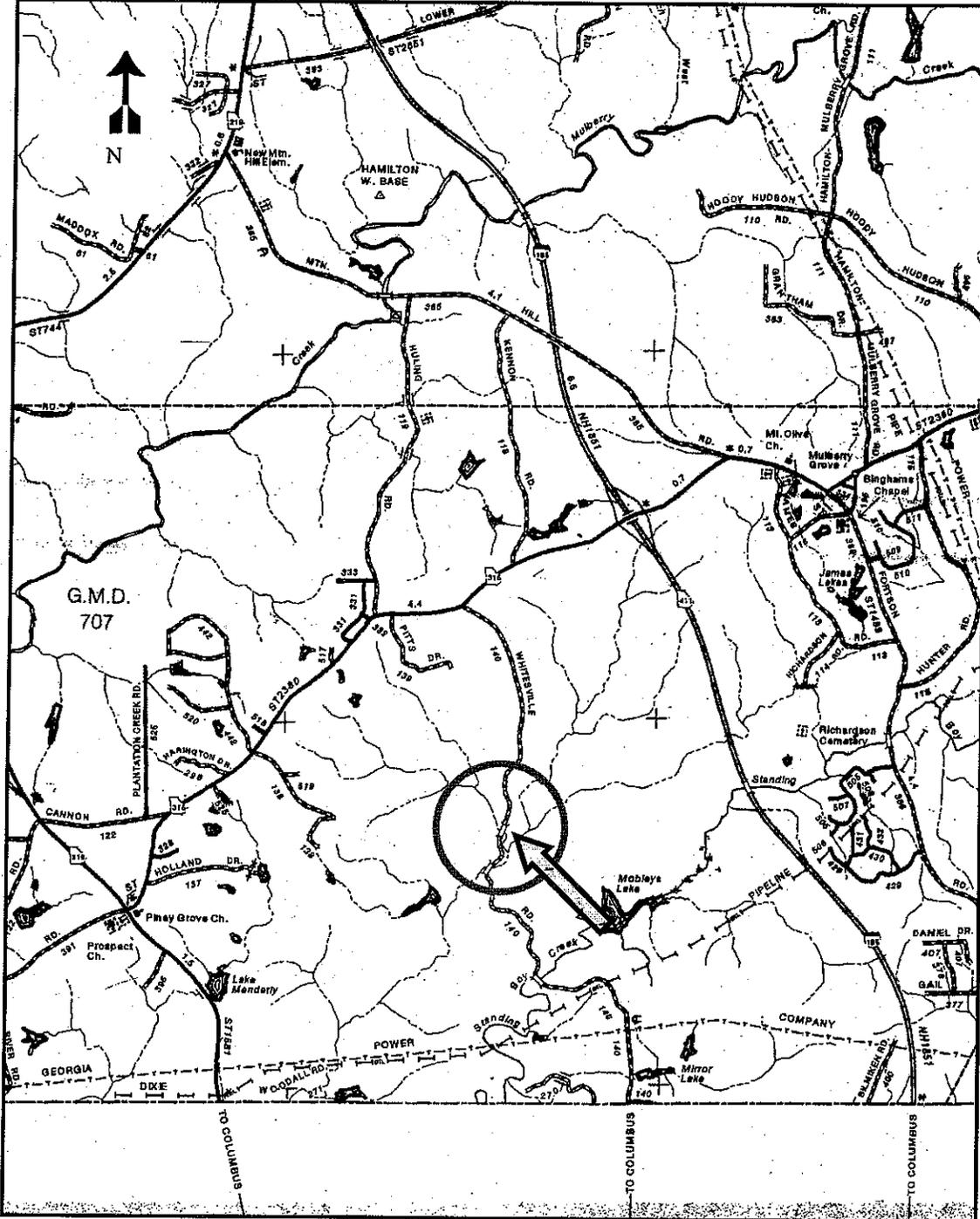
DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

Project Concept Report Page 2  
Project Number: BR-0003-00(084)  
P.I. Number: 0003084  
County: Harris



Scale: 1 inch = 1 mile

Location Map

Project: BR-003-00(084) Harris County PI No.: 0003084

Description: CR 140/Whitesville Road at Standing Boy Creek Trib. North

Project Concept Report Page 3  
Project Number: BR-003-000(084)  
P.I. Number: 0003084  
County: Harris

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

**Description of the proposed project:** Project BR-0003-00(84) is a bridge replacement project in Harris County on CR 140/Whitesville Road over Standing Boy Creek Tributary North. The total project length is approximately 620 feet (0.12 miles), beginning at M.P. 1.63 and extending to M.P. 1.75. The purpose of this project is to replace a structurally deficient and functionally obsolete bridge on CR 140 over Standing Boy Creek Tributary North. The proposed 80ft bridge will be located on the existing alignment and location. During construction of the proposed bridge, traffic will detour off-site to nearby roadways.

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

**PDP Classification:** Major  Minor

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

**Functional Classification:** Rural Local Road

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

**Traffic (AADT):**

Current Year(2000): 250 Base Year(2007): 300 Design Year (2027): 450

**Existing design features:**

- Typical Section: 2-9 ft. gravel travel lanes with no shoulders.
- Posted speed: 35 mph Maximum degree of curvature: 6°00'
- Maximum grade: 3.1 % (mainline)
- Width of right of way: Prescriptive approx. 20 ft.
- Major structures: 42-foot single span steel girder with a 12'-6" wide timber deck, the sufficiency rating is 29.2.
- Major interchanges or intersections along the project: None.

**Proposed Design Features:**

- Proposed typical section(s): Two 11'-0" travel lanes with 4'-0" shoulders. Typical section attached.
- Proposed Design Speed Mainline: 35 mph
- Proposed Maximum grade Mainline: 2.5 % Maximum grade allowable: 7 %.
- Proposed Maximum grade Side Street: N/A Maximum grade allowable: N/A
- Proposed Maximum grade driveway: N/A
- Proposed Maximum degree of curve: 6°00' Maximum degree allowable: 17°30'
- Right of way
  - ◊ Width: 60 ft.
  - ◊ Easements: Temporary ( ), Permanent ( X ), Utility ( ), Other ( ).
  - ◊ Type of access control: Full ( ), Partial By Permit ( X ), Other ( ).
  - ◊ Number of parcels: 3 Number of displacements:
    - ◊ Business: 0
    - ◊ Residences: 0
    - ◊ Mobile homes: 0
    - ◊ Other: N/A
- Structures:
  - ◊ Bridges: The proposed concrete bridge will be 30 ft. wide (gutter to gutter) and approximately 80 ft. long, consisting of two 11'-0" travel lanes, and 4'-0" shoulders.
  - ◊ Retaining walls: None
- Major intersections and interchanges: None
- Traffic control during construction: Traffic will be detoured off-site during the construction of the proposed bridge.
- Design Exceptions to controlling criteria anticipated:

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

Project Concept Report Page 5  
Project Number: BR-003-000(084)  
P.I. Number: 0003084  
County: Harris

- Design Variances: None
- Environmental concerns: Recommend stream survey due to occurrence of one federally listed mussel in Harris County and one state listed fish, with suitable conditions identified in the project area for these species. A Nationwide 23 permit will be required if a culvert is preferred along with a Pre-Construction Notification Application (PCN).
- Level of environmental analysis:
  - ◊ Are Time Saving Procedures appropriate? Yes ( **X** ), No ( )
  - ◊ Categorical exclusion anticipated ( **X** ),
  - ◊ Environmental Assessment/Finding of No Significant Impact (FONSI) ( ), or
  - ◊ Environmental Impact Statement (EIS) ( ).
- Utility involvement: overhead power, telephone and cable.

**Project responsibilities:**

- ◊ Design, GDOT
- ◊ Right of Way Acquisition, Harris County (LGPA signed 10-16-01)
- ◊ Relocation of Utilities, Harris County (LGPA signed 10-16-01)
- ◊ Letting to contract, General Office (Office of Contract Administration)
- ◊ Supervision of construction, District 3 Construction Office
- ◊ Providing material pits, Contractor
- ◊ Providing detours, Harris County (LGPA signed 10-16-01)

**Coordination**

- Initial Concept Meeting date and brief summary. Attach minutes. N/A
- Concept meeting date: September 12, 2002.
- P. A. R. meetings, dates and results: None anticipated.
- FEMA, USCG, and/or TVA: Nationwide 404.
- Public involvement. N/A.
- Other projects in the area. BR-0003-00(085) and BR-0003-00(086) are similar bridge replacement projects which will occur 0.28 miles and 1.23 miles south, respectively, of the proposed project.
- Railroads None
- Other coordination to date: 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 complete to purchase right of way: 6 months.
- List other major items that will affect the project schedule: N/A

**Alternates considered:** (1) Build proposed 80-ft. bridge on same location as the existing alignment by closing road and detour traffic off-site. (2) Build proposed 80-ft. bridge on permanent new alignment parallel and offset to the west from existing bridge. Abandon or demolish existing bridge. (3) No Build. (4) Build proposed bridge on existing alignment with temporary detour structure or (5) **Bridge Culvert**.

### **Comments:**

#### **Comparison Summary of Concepts 1 – 5**

Alternate (1) is selected for this concept.

Alternate (2) was eliminated due to additional right-of-way and an undesirable horizontal alignment shift.

Alternate (3) was eliminated due to deficient design live load and long term maintenance cost.

Alternate (4) was eliminated due to additional required right-of-way and undesirable horizontal alignment.

Alternate (5) will be studied during preliminary design.

### **Attachments:**

1. Cost Estimates:
  - a. Construction including E&C
2. Typical sections,
3. Bridge inventory,
4. Location and Design Notice (On Minor Projects),
5. N & P
6. Traffic Counts
7. Cover Sheet
8. Concept Meeting Minutes

## PRELIMINARY COST ESTIMATE

PROJECT NUMBER: BR-003-00(084) COUNTY: Harris  
 DATE: 7/18/2002 ESTIMATED LETTING DATE:  
 PREPARED BY: Kimley-Horn and Associates PROJECT LENGTH: 0.117 miles

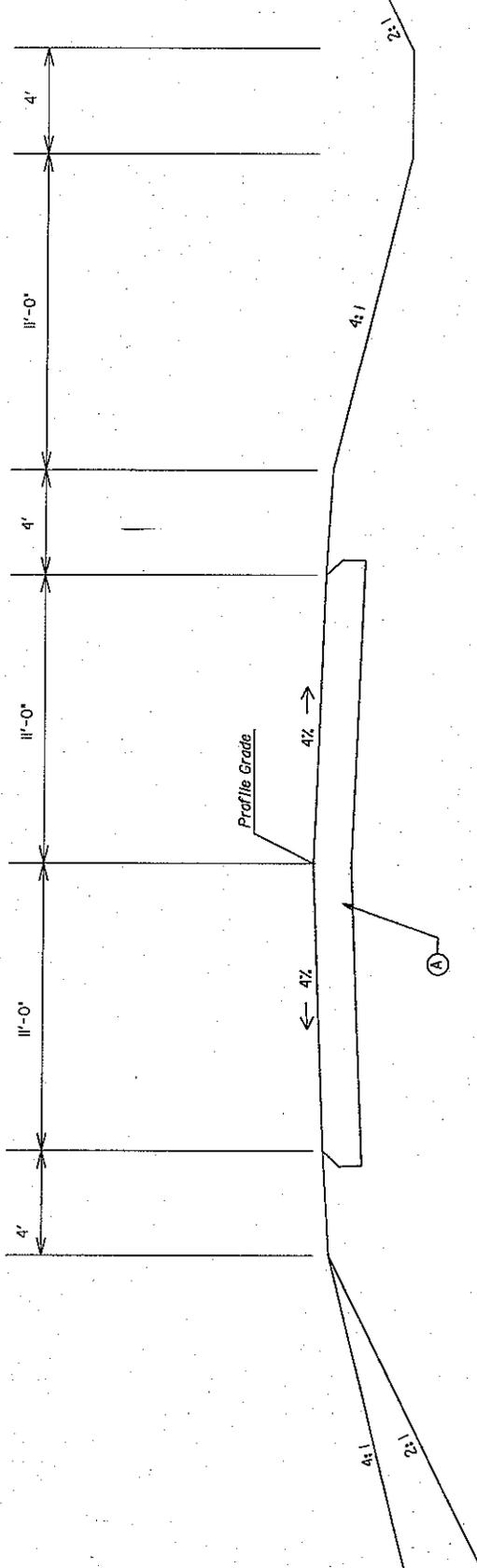
( ) PROGRAMMING PROCESS (x) CONCEPT DEVELOPMENT ( ) DURING PROJECT DEV.

PROJECT COST		
<b>A. RIGHT-OF-WAY:</b>		LGPA \$10,000
1. PROPERTY (LAND & EASEMENT)		\$0
2. DISPLACEMENTS; RES: 0, BUS; 0, M.H.: 0		
3. OTHER COST (ADM./COST, INFLATION)		
<b>SUBTOTAL: A</b>		\$0
<b>B. REIMBURSEABLE UTILITIES:</b>		LGPA
1. RAILROAD		
2. TRANSMISSION LINES		
3. SERVICES (Water & Sewer)		
<b>SUBTOTAL: B</b>		\$0
<b>C. CONSTRUCTION:</b>		
1. MAJOR STRUCTURES		
a. BRIDGE (33.25' x 80' = 2660 ft <sup>2</sup> x \$50)		\$133,000
b. OTHER		\$0
<b>SUBTOTAL: C-1</b>		\$133,000
2. GRADING AND DRAINAGE:		
a. EARTHWORK (incl. GRADING)		\$20,000
b. DRAINAGE:		
1) Cross Drain Pipe		\$0
2) Curb and Gutter		\$0
3) Longitudinal System (incl. catch basins)		\$0
<b>SUBTOTAL: C-2</b>		\$20,000
3. BASE AND PAVING:		
a. AGGREGATE BASE: Aggregate Surface Course, 6 in		27,230
b. ASPH. PAVING: Surface	\$0	
Binder	\$0	0
Base		
<b>SUBTOTAL: C-3.b</b>		\$0
c. CONCRETE PAVING		
d. OTHER		
<b>SUBTOTAL: C-3</b>		\$27,230
4. LUMP ITEMS:		
a. GRASSING		\$2,000
b. CLEARING AND GRUBBING (Including removal and disposal of bridge)		\$40,000
c. LANDSCAPING		\$0
d. EROSION CONTROL		\$5,000
e. TRAFFIC CONTROL		\$0
<b>SUBTOTAL: C-4</b>		\$47,000
5. MISCELLANEOUS:		
a. LIGHTING		\$0
b. SIGNING & MARKING		\$0
c. GUARDRAIL		
Type T (\$61 x 83')		\$5,063
Type W (\$10 x 400')		\$4,000
Type 12 Anchor (\$1285/each x 4)		\$5,140
d. SIDEWALK		\$0
<b>SUBTOTAL: C-5</b>		\$14,203
6. SPECIAL FEATURES		
<b>SUBTOTAL: C-6</b>		\$0

ESTIMATE SUMMARY		
A. RIGHT-OF-WAY	LGPA \$ 10,000	\$0
B. REIMBURSEABLE UTILITIES	LGPA	\$0
C. CONSTRUCTION		
1. MAJOR STRUCTURES		\$133,000
2. GRADING AND DRAINAGE		\$20,000
3. BASE AND PAVING		\$27,230
4. LUMP ITEMS		\$47,000
5. MISCELLANEOUS		\$14,203
6. SPECIAL FEATURES		\$0
SUBTOTAL CONSTRUCTION COST		\$241,433
E. & C. (10%):		\$24,143
INFLATION (5% PER YEAR)		
NUMBER OF YEARS	2	\$664
TOTAL CONSTRUCTION COST		\$266,240
GRAND TOTAL PROJECT COST		\$266,240

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	0003-001084		

CONSTRUCTION CR 140



TYPICAL SECTION #1  
NORMAL SECTION

**Kimley-Horn and Associates, Inc.**  
 Engineering, Planning, and Environmental Consultants  
 Suite 600, 3189 Holcomb Bridge Road  
 Norcross, Georgia 30071



DATE	REVISIONS	DATE	REVISIONS	LAND LOT NO.
				LAND DISTRICT
				BID

GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
**TYPICAL SECTIONS**  
 PROJECT 0003-001084  
 COUNTY HARRIS  
 OF SH  
 DATE

# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 145-0066-0

Harris County

SUFF. RATING: 29.2

## Location & Geography

\* Structure I.D. No.: 145-0066-0  
 \* 200 Bridge Information: 06  
 \* 6A Feature Int.: STANDING BOY CREEK TRIB.  
 \* 6B Critical Bridge: 0  
 \* 7A Route Number Carried: CR00140  
 \* 7B Facility Carried: WHITESVILLE ROAD  
 \* 9 Location: 11.5 MILES S.S.W. HAMILTON  
 \* 2 DOT District: 3  
 \* 207 Year Photo: 1997  
 \* 91 Inspection Frequency: 24 Date: 11/17/1999  
 \* 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: 00140  
 Direction: 0

\* 16 Latitude: 32-37.9  
 \* 17 Longitude: 84 -59.7

98 Border Bridge: 000 %Shared: 00  
 99 ID Number: 0000000000000000

\* 100 Defense Highway: 0  
 \* 101 Parallel Structure: N  
 \* 102 Direction of Traffic: 3  
 264 Road Inventory Mile Post: 001.69

\* 208 Inspection Area: 08 Initials: JLA  
 \* Location I.D. No: 145-00140X-001.69S  
 \* XReferen I.D. No: 000-0000000-000.000

## 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: 1  
 \* 20 Toll: 3  
 \* 21 Maintenance: 02  
 \* 22 Owner: 02  
 \* 31 Design Load: 0  
 37 Historical Significance: 5  
 205 Congressional District: 03  
 \* 27 Year Constructed: 1945  
 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  
 203 Type Bridge: C-I-M-I  
 259 Pile Encasement: 3  
 \* 43 Structure Type Main: 3 02  
 45 No. Spans Main: 001  
 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: 8  
 108 Wearing Surface Type: 7 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: 0.0 0  
 \* 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: 35  
 236 Warning Sign: 0  
 234 Delineator: 0  
 235 Hazard Boards: 0  
 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: 145-0066-0

Harris County

SUFF. RATING: 29.2

## Programming Data

201 Project No: UNKNOWN  
 202 Plans Available: 0  
 249 Prop. Proj No: 00000000000000000000000000000000  
 250 Approval Status: 0000  
 251 P.I. No: 000000  
 252 Contract Date: 0000  
 260 Seismic No: 00000  
 75 Type Work: 31.1  
 94 Bridge Imp. Cost: \$ 121  
 95 Roadway Imp. Cost: \$ 110  
 96 Total Imp. Cost: \$ 258  
 76 Imp. Length: 001404  
 97 Imp. Year: 1990  
 114 Future ADT: 000150 Year: 2019

## Measurements

\* 29 ADT: 000100 Year: 1999  
 109 % Trucks: 2  
 \* 28 Lanes On: 01 Under: 00  
 210 No. Tracks On: 00 Under: 00  
 \* 48 Max. Span Length: 0042  
 \* 49 Structure Length: 42  
 51 Br. Rdwy. Width: 12.5  
 52 Deck Width: 12.5  
 \* 47 Tot. Horz. Cl: 12.5  
 50 Curb/Sdewlk Width: 0.0/0.0  
 32 Approach Rdwy Width: 018  
 \* 229 Shlder Width:  
 Rear Lt: 0.0 Type: 7 Rt: 0.0  
 Fwd Lt: 0.0 Type: 7 Rt: 0.0  
 Pvmnt Width:  
 Rear: 18.0 Type: 7  
 Fwd: 18.0 Type: 7  
 Intersection Rear: 0 Fwd: 0  
 36 Safety Features Br. Rail: 0  
 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: 0.0  
 Deck Thick Approach: 0.0  
 246 Overlay Thickness: 0.0  
 211 Tons Structural Steel: 5.0  
 212 Year Last Painted: Sup: 1945 Sub: 0000

## Ratings

66 Inventory Type: 2 Rating: 11  
 64 Operating Type: 2 Rating: 16  
 231 Calculated Loads  
 H-Modified: 08 1  
 HS-Modified: 12 1  
 Type 3: 10 1  
 Type 3s2: 16 1  
 Timber: 15 1  
 Piggyback: 00 0  
 261 H Inventory Rating: 08  
 262 H Operating Rating: 12  
 67 Structural Evaluation: 2  
 58 Deck Condition: 5  
 59 Superstructure Condition: 6  
 \* 227 Collision Damage: 0  
 60A Substructure Condition: 5  
 60B Scour Condition: 8  
 60C Underwater Condition: N  
 71 Waterway Adequacy: 2  
 61 Channel Protection Cond: 7  
 68 Deck Geometry: 4  
 69 UnderClr. Horz/Vert: N  
 72 Appr. Alignment: 6  
 62 Culvert: N

## Posting Data

70 Bridge Posting Required: 0  
 41 Struct Open, Posted, Cl: P  
 \* 103 Temporary Structure: 0  
 232 Posted Loads H-Modified: 08  
 HS-Modified: 12  
 Type 3: 10  
 Type 3S2: 16  
 Timber: 15  
 Piggyback: 00  
 253 Notification Date: 01/03/1996  
 253 Fed Notify Date: 0000 0

## Hydraulic Data

215 Waterway Data  
 Highway 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: 01.0 Br Height: 07.3  
 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: 145-00140X-001.69S  
 \* XReferen I.D. No: 000-000000-000.000

**NOTICE OF LOCATION DESIGN APPROVAL**  
**BR-0003-00(084) HARRIS COUNTY**  
**P.I. No. 0003084**

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 Design Approval: MARCH 4, 2003

This project is the 0.12 mile bridge replacement of CR 140 /Whitesville Road over Standing Boy Creek Tributary North 11.5 miles southwest of Hamilton. A new bridge over the creek will be constructed to replace the currently deficient one. CR 140/Whitesville Road will be closed to through traffic during construction of the new bridge. Traffic will be detoured along Biggers Road and SR 219. The project lies entirely within Harris County and within Land District 19 and Land Lots 130 and 149.

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:

**Otis Clark, Office of Consultant Design**  
**Department of Transportation**  
**No. 2. Capitol Square**  
**Atlanta, Georgia 30334**  
**(404) 463-6265**  
**Otis.Clark@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.

**NEED AND PURPOSE**  
**PROJECT BR-0003-00 (084) HARRIS COUNTY**  
**P I No. 0003084**  
**Bridge Replacement**

Project Number BR-0003-00 (084) will replace the existing, structurally deficient bridge located on County Road (CR) 140 over Standing Boy Creek north tributary in Harris County approximately 11.5 miles south southwest of Hamilton, Georgia.

This bridge was constructed in 1945 and the sufficiency rating is 29.2. The Office of Bridge Maintenance has determined that any structure with a sufficiency rating of less than 50 should be replaced rather than improved. This project will replace the existing bridge with a structurally adequate bridge. Two concurrent and companion bridge projects, P I No. 0003085 and P I No. 0003086, are proposed to replace the bridges over Standing Boy Creek and its south tributary.

County Road 140 (Whitesville Road) is functionally classified as a rural major collector and is a school bus route. The posted speed limit is 35 miles per hour. The Annual Average Daily Traffic (ADT) along this section of roadway has been projected to be 300 in 2007 and 450 in 2027 with 3 percent trucks. County Road 140 is not part of the Georgia Bicycle Statewide Network. Replacing this bridge will bring it up to current design standards and improve the operation and safety of this roadway.

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BR-0003-00(084)(085)(086) Harris  
P.I. 0003084, 0003095 & 0003086

**OFFICE** Environment/Location

**DATE** October 23, 2001

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

**TO** Jim Chambers, P.E., State Consultant Design Engineer

**Attn: Ted Cashin**

**SUBJECT** CR 140/Whitesville Road @ Standing Boy Creek Tributary North  
CR 140/Whitesville Road @ Standing Boy Creek Tributary South  
CR 140/Whitesville Road @ Standing Boy Creek

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

2000 ADT = 250  
2007 ADT = 300  
2027 ADT = 450  
K = 12%  
D = 60%  
T = 1%  
24 HR T = 3%  
SU = 2%  
COMB = 1%

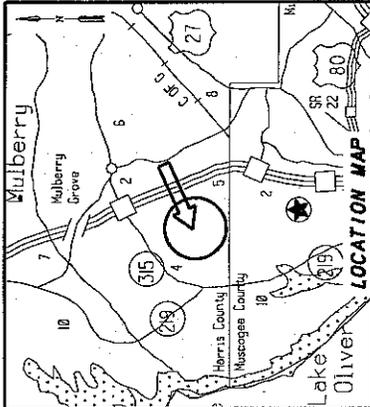
If you have any questions concerning this information please contact  
Teresa Williamson at (404) 699-4458.

HDK:TJW

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## PLAN AND PROFILE OF PROPOSED STANDING BOY CREEK TRIBUTARY NORTH BRIDGE REPLACEMENT

STATE PROJECT NUMBER  
GA. BR-0003-001084



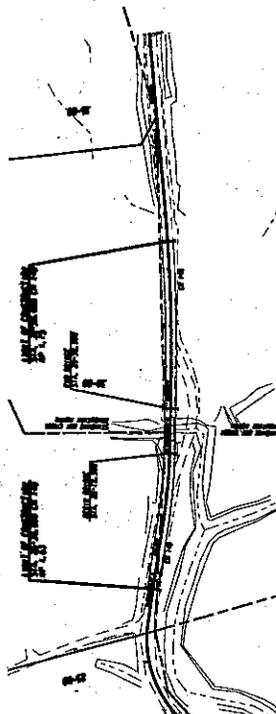
HARRIS COUNTY  
FEDERAL AID PROJECT  
BR-0003-001084

FEDERAL ROUTE \* N/A  
STATE ROUTE \* N/A  
P. I. NO. 0003084



THIS PROJECT IS LOCATED 100% WITHIN CONGRESSIONAL DISTRICT NO. 3.  
THIS PROJECT IS LOCATED 100% WITHIN HARRIS COUNTY.  
THIS PROJECT IS IN RURAL AREA.  
THIS PROJECT IS EXEMPT.

NOTE:  
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS,  
AND DRAWINGS, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA," "STATE  
HIGHWAY DEPARTMENT," "GEORGIA STATE HIGHWAY DEPARTMENT," "HIGHWAY  
DEPARTMENT," OR "DEPARTMENT" - WHEN THE CONTEXT THEREOF MEANS THE  
DEPARTMENT OF TRANSPORTATION, SHALL BE DEEMED TO MEAN  
THE DEPARTMENT OF TRANSPORTATION.



LENGTH OF PROJECT	COUNTY NO.
NET LENGTH OF BRIDGE	145
NET LENGTH OF BRIDGES	0.1083
NET LENGTH OF PROJECT	0.0174
NET LENGTH OF EXCEPTIONS	0.0000
GROSS LENGTH OF PROJECT	0.1174

DESIGN DATA: 2007/2027  
TRAFFIC A. D. T. (CR 140): 300/450  
DIRECTIONAL DIST.: 60/40  
% TRUCKS: 1  
24 HR. % TRUCKS: 3  
SPEED DESIGN: 35

SURVEY AND COORDINATE DATA  
HORIZONTAL DATUM - HORIZONTAL GEORGIA  
COORDINATE SYSTEM (1927)  
VERTICAL DATUM - NAVD (1929)  
COORDINATE ZONE - GEORGIA EAST

TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANY OTHER  
DRAWINGS, THIS INFORMATION IS TO BE USED AS A GUIDE ONLY. THE ENGINEER  
FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS.  
HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE  
DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY  
DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

LOCATION & DESIGN APPROVAL DATE: \_\_\_\_\_  
PREPARED BY: KIMLEY-HORN AND ASSOCIATES, INC.  
SUBMITTED BY: STATE ROAD AND AIRPORT DESIGN ENGINEER

DATE	CHIEF ENGINEER
PLANS COMPLETED	
REVISIONS	

CONTRACT NO. BR-0003-001084

## CONCEPT TEAM MEETING

Date: September 12, 2002; 9:30 am

Project: CR 140/Whitesville Road at Standing Boy Creek Tributary North  
BR-0003-00(84); Harris County; P.I. No. 0003084

Location: Thomaston-Upson County Archives Building

Attendees: See attached sheet

This meeting was held to review the CR 140/Whitesville Road Bridge Replacement at Standing Boy Creek Tributary North Concept Report with GDOT, Harris County, utility companies, and/or others with interest in the project. Otis Clark of the GDOT Office of Consultant Design conducted the meeting.

Otis Clark introduced the project and asked each attendee to state his/her name and agency or company affiliation. He then turned the meeting over to Gary Newton to discuss the concept development process.

Gary Newton provided a general overview of existing conditions in the project area followed by an explanation of the process used to develop the current concept. He explained that five alternatives were investigated: (a) build proposed bridge on same location as the existing alignment by closing road and detour traffic off-site, (b) build proposed bridge on permanent new alignment parallel and offset to the west from the existing bridge, (c) build proposed bridge on existing alignment with temporary detour structure, (d) replace existing bridge with a culvert, (e) no build. Since the no build alternative does not address the basic intent of the project, it was not studied in detail.

Otis Clark discussed the construction coordination between this project and projects BR-0003-00(085) and BR-0003-00(086). It was decided that each project would be constructed separately.

United Cities Gas stated they had plans to expand service through the project area and requested to be provided plans. They would like to have casings on the proposed bridge for future gas lines.

Harris County indicated this would become a school bus route once the new bridges are constructed. The buses are unable to use this route currently due to the load restricted structures.

The cost estimate should be revised to reflect an inflation period of 2 years instead of the 1 year shown.

The above summarizes the Kimley-Horn attendees understanding of discussions at the meeting. Please contact Gary Newton (678-533-3902) regarding additions, deletions, or other revisions that need to be made to these minutes.

**Attendance Record  
CR 140/Whitesville Road  
BR-0003-00(084)  
September 12, 2002**

Name	Company
Otis Clark	GDOT – Consultant Design
Wayne Pittman	GDOT –
Mark Williams	GDOT –
John Moretto	GDOT – District 3 Traffic Operations
Windy Bickers	GDOT – Financial Management
Jerry Johnson	GDOT – Right-of-Way
Mike Garrett	United Cities Gas
Bill Patrick	Harris County – County Engineer
Wendell Cox	Diverse Power - LaGrange
Gary Newton	Kimley – Horn and Associates, Inc.
Natalie Hodges	Kimley – Horn and Associates, Inc.

Department of Transportation  
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BR-0003-00(084) / Harris County  
P.I. No. 0003084

Office: Traffic Safety & Design  
Atlanta, Georgia  
Date: January 30, 2003

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

To: Meg Pirkle, Assistant Director of Preconstruction

Subject: Project Concept Report Review

FEB - 4 2003

We have reviewed the above referenced concept report for the proposed bridge replacement on CR 140 over Standing Boy Creek Trib. North in Harris 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 Keepler, Environment/Location Engineer  
James B. Buchan, State Consultant Design Engineer  
Attention: Ted Cashin  
Thomas Howell, District Engineer - Thomaston  
Attention: David Millen, District Preconstruction Engineer  
David Mulling, Engineer Services, w/ attachment  
Marta Rosen, State Transportation Planning Administrator  
Paul Liles, State Bridge & Structural Design Engineer  
Chuck Hasty, TMC  
General Files  
Office Files

**DEPARTMENT OF TRANSPORTATION**

**STATE OF GEORGIA**

*Office of Consultant Design*

**PROJECT CONCEPT REPORT**

Project Number: BR-0003-00(084)

County: Harris

P.I. Number: 0003084

Federal Route Number: N/A

State Route Number: N/A

DESCRIPTION: CR 140/Whitesville Road at Standing Boy Creek Tributary North  
Recommendation for approval:

DATE 1-22-03

*Alto Clark*

DATE 1-27-03

Project Manager  
*James B. Buchanan*  
State Consultant Design Engineer

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

DATE \_\_\_\_\_

State Transportation Planning Administrator

DATE \_\_\_\_\_

Office of Financial Management Administrator

DATE \_\_\_\_\_

State Environmental/Location Engineer

DATE 1/30/03

*Phillip M. Allen*

State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

District 3 Engineer

DATE \_\_\_\_\_

State 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: BR-0003-00(084)

County: Harris

P.I. Number: 0003084

Federal Route Number: N/A

State Route Number: N/A

DESCRIPTION: CR 140/Whitesville Road at Standing Boy Creek Tributary North  
Recommendation for approval:

DATE 1-22-03

DATE 1-27-03



Project Manager



State Consultant Design Engineer

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

DATE 2-3-04

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_



State Transportation Planning Administrator

Office of Financial Management Administrator

State Environmental/Location Engineer

State Traffic Safety and Design Engineer

District 3 Engineer

State Project Review Engineer

State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION**

**STATE OF GEORGIA**

*Office of Consultant Design*

**PROJECT CONCEPT REPORT**

Project Number: BR-0003-00(084)

County: Harris

P.I. Number: 0003084

Federal Route Number: N/A

State Route Number: N/A

DESCRIPTION: CR 140/Whitesville Road at Standing Boy Creek Tributary North  
Recommendation for approval:

DATE 1-22-03



DATE 1-27-03

Project Manager  
  
State Consultant Design Engineer

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

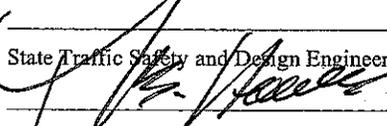
DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE 1-29-03

  
District 3 Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State 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: BR-0003-00(084)

County: Harris

P.I. Number: 0003084

Federal Route Number: N/A

State Route Number: N/A

DESCRIPTION: CR 140/Whitesville Road at Standing Boy Creek Tributary North  
Recommendation for approval:

DATE 1-22-03

DATE 1-27-03

*[Signature]*

Project Manager  
*James B. Burken*  
State Consultant Design Engineer

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

DATE \_\_\_\_\_

DATE 1/31/03

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

State Transportation Planning Administrator

*Ray Mitchell*  
Office of Financial Management Administrator

State Environmental/Location Engineer

State Traffic Safety and Design Engineer

District 3 Engineer

State Project Review Engineer

State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION**

**STATE OF GEORGIA**

*Office of Consultant Design*

**PROJECT CONCEPT REPORT**

Project Number: BR-0003-00(084)

County: Harris

P.I. Number: 0003084

Federal Route Number: N/A

State Route Number: N/A

DESCRIPTION: CR 140/Whitesville Road at Standing Boy Creek Tributary North  
Recommendation for approval:

DATE 1-22-03

DATE 1-27-03

*[Signature]*

Project Manager  
*[Signature]*  
State Consultant Design Engineer

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

District 3 Engineer

DATE 1/30/03

*[Signature]*

State 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: BR-0003-00(084)

County: Harris

P.I. Number: 0003084

Federal Route Number: N/A

State Route Number: N/A

DESCRIPTION: CR 140/Whitesville Road at Standing Boy Creek Tributary North  
Recommendation for approval:

DATE 1-22-03

DATE 1-27-03

*Alia Clark*  
Project Manager  
*James B. Burhan*  
State Consultant Design Engineer

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
District 3 Engineer

DATE \_\_\_\_\_

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

DATE 2/20/03

*Paul V. Teleno Jr*  
State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION**

**STATE OF GEORGIA**

*Office of Consultant Design*

**PROJECT CONCEPT REPORT**

Project Number: BR-0003-00(084)

County: Harris

P.I. Number: 0003084

Federal Route Number: N/A

State Route Number: N/A

DESCRIPTION: CR 140/Whitesville Road at Standing Boy Creek Tributary North  
Recommendation for approval:

DATE 1-22-03

DATE 1-27-03



Project Manager



State Consultant Design Engineer

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

DATE \_\_\_\_\_

State Transportation Planning Administrator

DATE \_\_\_\_\_

Office of Financial Management Administrator

DATE \_\_\_\_\_

State Environmental/Location Engineer

DATE \_\_\_\_\_

State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

District 3 Engineer

DATE \_\_\_\_\_

State Project Review Engineer

DATE \_\_\_\_\_

State Bridge and Structural Design Engineer