

ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

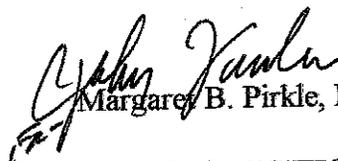
INTERDEPARTMENT CORRESPONDENCE

FILE BR-3316-00(600) Harris County
P. I. No. 331660

OFFICE Preconstruction

DATE February 24, 2003

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:

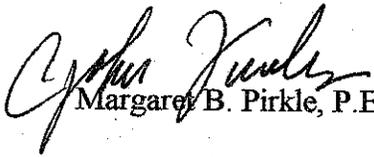
David Mulling
Harvey Keepler
Jerry Hobbs
Percy Middlebrooks
Michael Henry
Phillip Allen
Marta Rosen
Paul Liles
Ben Buchan
Thomas Howell
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-3316-00(600) Harris County **OFFICE** Preconstruction
P.I. No. 331660

DATE February 3, 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 387 over Palmetto Creek, 4.0 miles south of Pine Mountain, Georgia. The existing bridge, constructed in 1935, is load limited with a sufficiency rating of 22. County Road 387 at this location is a rural two lane roadway with 9' travel lanes with no shoulders. This section of CR 387 is functionally classified as a rural major collector. Traffic is projected to be 500 VPD and 750 VPD in the years 2008 and 2028 respectively. The posted speed and the design speed are 40 MPH.

The construction proposes to construct a new 90' x 30' concrete bridge over Palmetto Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 6' rural shoulders on 100 of proposed minimum right-of-way. Traffic will be maintained during construction utilizing an off-site detour. Harris County is responsible for the signing and maintenance of detour routes.

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

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$659,000	\$479,000	2006	2006
Right-of-Way & Utilities*	Local	Local		

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

Frank L. Danchetz

Page 2

BR-3316-00(600) Harris

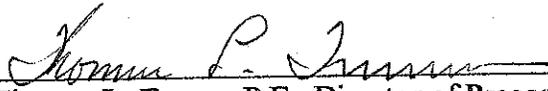
February 3, 2003

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-3316-00(600) Harris
P.I. Number 331660

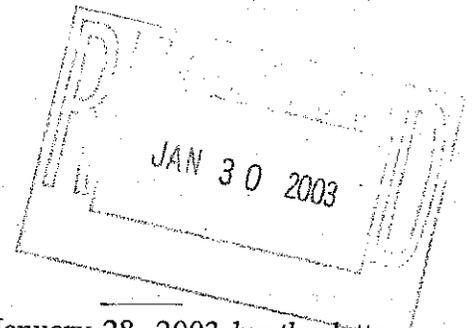
OFFICE: Engineering Services

DATE: January 28, 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 28, 2003 by the letter from James B. Buchan dated January 22, 2003, and have no additional comments.

The costs for this project are:

Construction	\$544,504
Inflation	\$60,035
E&C	\$54,450
Reimbursable Utilities	\$0.00
Right of Way	\$20,000 (LGPA anticipated)

REW

c: Ben Buchan, Attn: Otis Clark

SCORING RESULTS AS PER MOG 2440-2

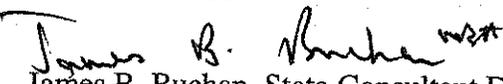
Project Number: BR-3316-00(600)		County: Harris		PI No.: 331660	
Report Date: January 22, 2003		Concept By: DOT Office: Consultant Design			
<input checked="" type="checkbox"/> Concept Stage		Consultant: URS Corporation			
Project Type: Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input checked="" type="checkbox"/> Bridge Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation	100				
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

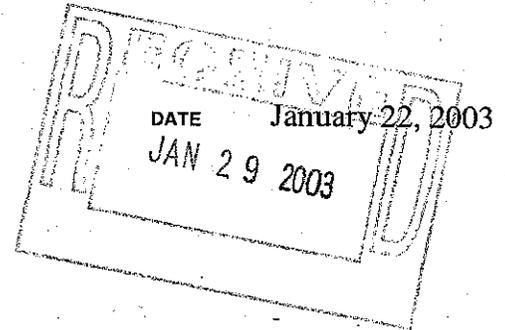
FILE ~~BRSLB-1441(2)~~ ^{BR-3316-00(600)} Harris County
CR 387 at Palmetto Creek 4 mi. south of Pine Mountain
P.I. No. 331660-

OFFICE Atlanta

FROM 
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

CR 387 OVER PALMETTO CREEK

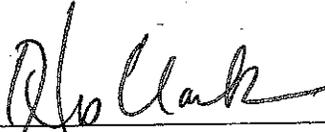
Project Number: BR-3316-00(600)
P.I. NO. 331660
County: HARRIS

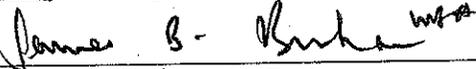
FEDERAL ROUTE NO: N/A
STATE ROUTE NO: N/A
COUNTY ROUTE NO: 387

Prepared by:

DATE 1-22-03

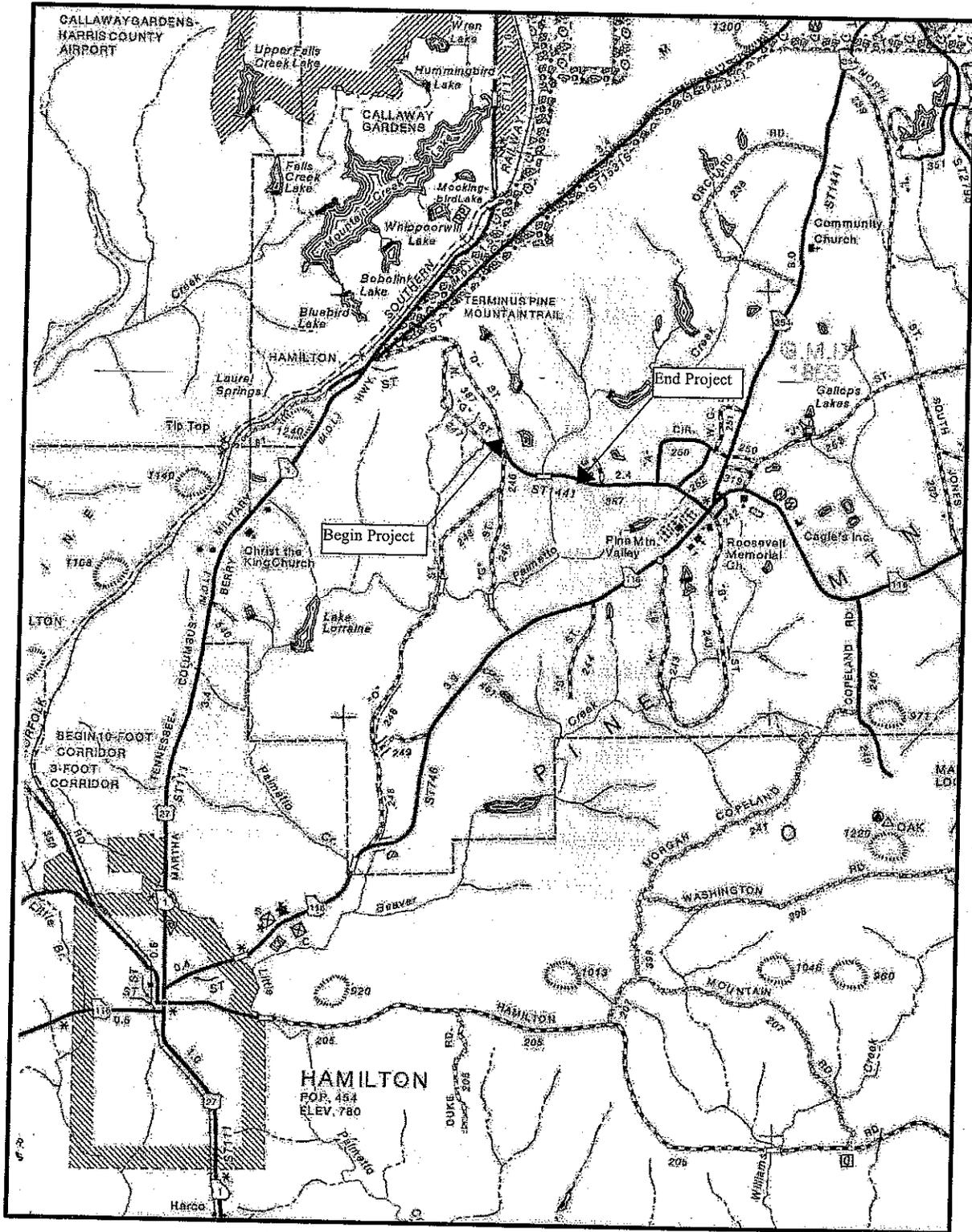
DATE 1-27-03


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 Financial Management Administrator
- DATE State Environmental / Location Engineer
- DATE Project Review Engineer
- DATE State Traffic Operations Engineer
- DATE State Bridge & Structural Engineer



PROJECT LOCATION MAP

Need and Purpose: See attached Need & Purpose

Description of the proposed project: The proposed project is comprised of replacing the bridge over Palmetto Creek and improving the approach to the bridge on CR387. The Existing Bridge has a current structural rating of 22.6 (based on H 15 design live load). The length of the project is approximately 0.19 miles. The new bridge will be approximately ^{40'}60 feet in length with 30' feet of clear width (per MOG 4265-9). The project will utilize an off site detour during the construction phase.

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

PDP Classification: Major , or Minor

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

Functional Classification: Rural Major Collector

U. S. Route Number(s): N/A **State Route Number(s):** N/A **County Route Number(s):** 387

Traffic (AADT): Base Year: (2008) 500 _____ Design Year: (2028) 750 _____

Existing design features:

- Typical Section: 2 9ft lanes, no shoulder
- Posted speed 40 mph
- Maximum degree of curvature: 12
- Maximum grade: 10 % (CR 387)
- Width of right of way: 60 ft.
- Major structures: ID 145-5006-0, L=55ft, W=16.5ft, SR=21.0
- Existing length of roadway segment: .67mi

Proposed Design Features:

- Proposed typical section(s): 2 12ft lanes, 6ft grass shoulder.
- Proposed Design Speed Mainline: 40 mph
- Proposed Maximum grade Mainline: 9 %
- Maximum grade allowable: 9 %
- Proposed Maximum grade Side Street: N/A
- Maximum grade allowable: N/A
- Proposed Maximum grade driveway: 15%
- Proposed Maximum degree of curve: 10
- Maximum degree allowable: 10

- o Width: 100 ft.
 - o Easements: Temporary , Permanent , Utility , Other .
 - o Type of access control: Full , Partial , By Permit , Other .
 - o Number of parcels: 2
- Number of displacements:
- o Business: 0
 - o Residences: 0
 - o Mobile homes: 0
 - o Other: 0

- Structures:
 - o Bridges – New Bridge 90’ in length, 30’ in clear width, with 2, 12-foot lanes, and two six foot shoulders.
 - o Retaining walls: N/A

- Traffic control during construction: Road will be closed during construction.

- Design Exceptions to controlling criteria anticipated:

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

- Design Variances – None expected
- Environmental concerns: N/A
- Level of environmental analysis:
 - o Are Time Savings Procedures appropriate? Yes , No .
 - o Categorical exclusion .
 - o Environmental Assessment/Finding of No Significant Impact (FONSI) , or
 - o Environmental Impact Statement (EIS) .
- Utility involvements: *power lines on one side, but not in conflict.*

Project responsibilities:

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

Coordination

- Concept meeting date and brief summary. Attach minutes: To be scheduled.
- P. A. R. meetings, dates and results: *Not required*
- FEMA, USCG, and/or TVA: *None Anticipated*
- Public involvement: *None anticipated*
- Local government comments: *None anticipated*
- Other projects in the area: *None anticipated*

Scheduling – Responsible Parties' Estimate

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

Alternates considered:

1. Replacement bridge on existing location (off site detour).
2. Alignment on a new location to the north was studied. Utilities are located on this side, however this alternative would allow the existing bridge to remain open to facilitate traffic. This alternate was discounted due to the additional construction and right of way costs. See attached cost estimates.
3. On existing location with on-site detour (temporary bridge).
4. No Build. This alternate was discounted since it does not satisfy the need and purpose of the project.
5. Bridge Culvert.

Comments:

Comparison Summary of Concepts 1 - 5

Alternative (1) is the preferred alternate.

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

Alternative (4) was eliminated due to the deficient design live load (H 15) and long term maintenance costs.

Alternative (5) will be studied during preliminary design.

Project Concept Report Page 6
Project Number: BR-3316-00 (600) P.I. Number:331660
5/15/02
County:Harris

Attachments:

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

PRELIMINARY COST ESTIMATE

PREPARED BY: Jerome Henderson, Jr.

PROJECT LENGTH: 0.19 miles

ESTIMATED LETTING DATE: October 2002

PROGRAMMING PROCESS CONCEPT DEVELOPMENT DURING PROJECT DEV.

PROJECT COST- Preferred Alternative 1, Replacement Bridge		
A. RIGHT-OF-WAY:		
1. PROPERTY (LAND & EASEMENT)	LGPA \$20,000	\$ 0.00
2. DISPLACEMENTS: RES: 0, BUS: 0, M.H.: 0		\$ 0.00
3. OTHER COST (ADM./COST, INFLATION)		\$ 0.00
	SUBTOTAL:A	\$ 0.00
B. REIMBURSABLE UTILITIES:		
1. RAILROAD		\$ 0.00
2. TRANSMISSION LINES		\$ 0.00
3. SERVICES		\$ 0.00
	SUBTOTAL:B	\$ 0.00
C. CONSTRUCTION:		
1. MAJOR STRUCTURES Bridge (90' x 35.25' @ \$55/sf)		\$ 174,490.00
a. OVERPASSES		\$ 0.00
b. RETAINING WALL		\$ 0.00
	SUBTOTAL:C-1	\$ 174,490.00
2. GRADING AND DRAINAGE:		
a. EARTHWORK		\$ 211,000.00
b. DRAINAGE:		
1) Curb and Gutter		\$ 0.00
2) Longitudinal System		
Catch Basins (0 @ \$2000/basin)		\$ 0.00
Drop Inlets (0 @ \$2000/inlet)		\$ 0.00
Flared End Section (0 @ \$495/FES)		\$ 0.00
Safety End Section (0 @ \$400/SES)		\$ 0.00
MH (0 @ \$2014/MH)		\$ 0.00
24 inch pipe (0 ft @ \$32/ft)		\$ 0.00
	SUBTOTAL:C-2	\$ 211,000.00
3. BASE AND PAVING:		

PROJECT COST- Preferred Alternative 1, Replacement Bridge

a. AGGREGATE BASE (1042 tons @ \$13/ton)		\$	13,546.00
b. ASPHALT PAVING:			
Milling (444 yd ² @ \$4.00/ yd ²)	\$	1,776.00	
Surface (220 tons @ \$50/ton)	\$	11,000.00	
Binder (295 tons @ \$50/ton)	\$	14,750.00	
Base (440 tons @ \$50/ton)	\$	22,000.00	
		SUBTOTAL:C-3.b	\$ 49,526.00
c. CONCRETE PAVING		\$	0.00
d. OTHER		\$	0.00
	SUBTOTAL:C-3	\$	63,072.00
4. LUMP ITEMS:			
a. GRASSING (1.1 acre @ \$1000/acre)		\$	1100.00
b. CLEARING AND GRUBBING		\$	21,000.00
c. LANDSCAPING		\$	0.00
d. EROSION CONTROL (LUMP)		\$	24,000.00
e. TRAFFIC CONTROL		\$	30,000.00
		SUBTOTAL:C-4	\$ 64,922.00
5. MISCELLANEOUS:			
a. LIGHTING		\$	0.00
b. SIGNING - MARKING		\$	420.00
c. GUARDRAIL		\$	
W Beam (400 ft @ \$13/ft)		\$	5,200.00
TP 12 Anchor (4 @ \$1,350)		\$	5,400.00
d. SIDEWALK (0 yd ² @ \$25.75/ yd ²)		\$	0.00
		SUBTOTAL:C-5	\$ 11,020.00
6. SPECIAL FEATURES: Removal of Existing Bridge			
		SUBTOTAL:C-6	\$ 20,000.00

ESTIMATE SUMMARY, Alternative 1, Replacement Bridge		
A. RIGHT-OF-WAY ()	LGPA \$20,000	\$ 0.00
B. REIMBURSABLE UTILITIES		\$ 0.00
C. CONSTRUCTION		
1. MAJOR STRUCTURES		\$ 174,490.00
2. GRADING AND DRAINAGE		\$ 211,000.00
3. BASE AND PAVING		\$ 63,072.00
4. LUMP ITEMS		\$ 64,922.00
5. MISCELLANEOUS		\$ 11,020.00
6. SPECIAL FEATURES		\$ 20,000.00
SUBTOTAL CONSTRUCTION COST		\$ 544,504.00
E. & C. (10%)		\$ 54,450.00
INFLATION (5% PER YEAR)		\$ 60,035.00
NUMBER OF YEARS	2	
TOTAL CONSTRUCTION COST		\$ 658,989.00
GRAND TOTAL PROJECT COST		\$ 658,989.00

This project is 100 percent in Harris County.

PREPARED BY: Joe Brisbane

PROJECT LENGTH: 0.54 miles

ESTIMATED LETTING DATE:

PROGRAMMING PROCESS CONCEPT DEVELOPMENT DURING PROJECT DEV.

PROJECT COST, Alternative 2 – Realignment	
A. RIGHT-OF-WAY:	
1. PROPERTY (LAND & EASEMENT) LGPA \$20,000	\$ 0.00
2. DISPLACEMENTS: RES: 0, BUS: 0, M.H.: 0	\$ 0.00
3. OTHER COST (ADM./COST, INFLATION)	\$ 0.00
SUBTOTAL:A	\$ 0.00
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$ 0.00
2. TRANSMISSION LINES	\$ 0.00
3. SERVICES	\$ 0.00
SUBTOTAL:B	\$ 0.00
C. CONSTRUCTION:	
1. MAJOR STRUCTURES Bridge (90' x 35.25' @ \$55/sf)	\$ 115,500.00
a. OVERPASSES	\$ 0.00
b. RETAINING WALL	\$ 0.00
SUBTOTAL:C-1	\$ 115,500.00
2. GRADING AND DRAINAGE:	
a. EARTHWORK	\$ 200,000.00
b. DRAINAGE:	
1) Curb and Gutter	\$ 0.00
2) Longitudinal System	
Catch Basins (0 @ \$2000/basin)	\$ 0.00
Drop Inlets (0 @ \$2000/inlet)	\$ 0.00
Flared End Section (0 @ \$495/FES)	\$ 0.00
Safety End Section (0 @ \$400/SES)	\$ 0.00
MH (0 @ \$2014/MH)	\$ 0.00
24 inch pipe (0 ft @ \$32/ft)	\$ 0.00
SUBTOTAL:C-2	\$ 200,000.00
3. BASE AND PAVING:	

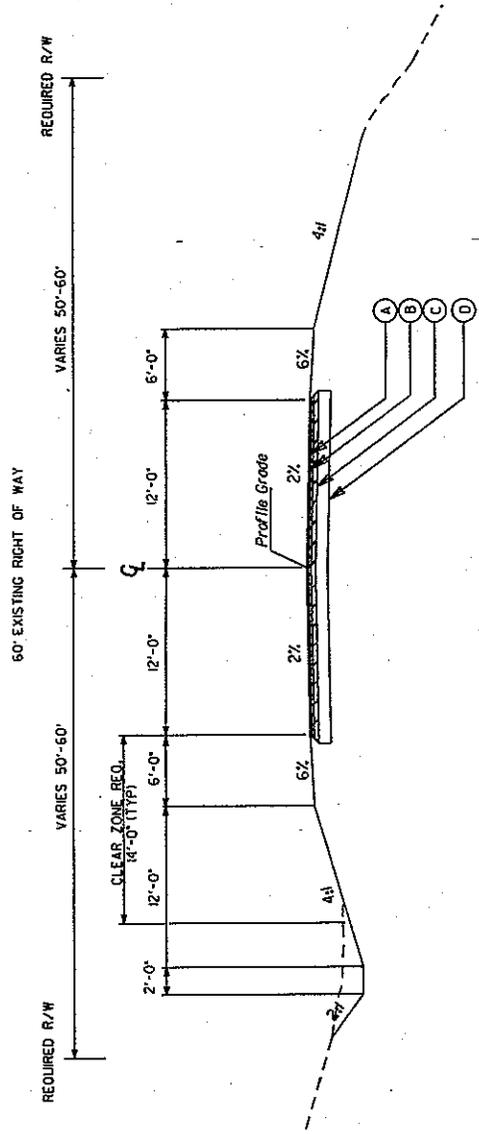
PROJECT COST, Alternative 2 - Realignment		
a. AGGREGATE BASE (10,700 tons @ \$13/ton)		\$ 139,100.00
b. ASPHALT PAVING:		
Milling (444 yd ² @ \$4.00/ yd ²)	\$ 1,776.00	
Surface (440 tons @ \$50/ton)	\$ 22,000.00	
Binder (590 tons @ \$50/ton)	\$ 29,500.00	
Base (960 tons @ \$50/ton)	\$ 48,000.00	
	SUBTOTAL:C-3.b	\$ 101,276.00
c. CONCRETE PAVING		\$ 0.00
d. OTHER		\$ 0.00
	SUBTOTAL:C-3	\$ 240,376.00
4. LUMP ITEMS:		
a. GRASSING (2.3 acre @ \$1000/acre)		\$ 2,300.00
b. CLEARING AND GRUBBING		\$ 15,000.00
c. LANDSCAPING		\$ 0.00
d. EROSION CONTROL (LUMP)		\$ 24,000.00
e. TRAFFIC CONTROL		\$ 30,000.00
	SUBTOTAL:C-4	\$ 71,300.00
5. MISCELLANEOUS:		
a. LIGHTING		\$ 0.00
b. SIGNING - MARKING		\$ 420.00
c. GUARDRAIL		\$
W Beam (400 ft @ \$13/ft)		\$ 5,200.00
TP 12 Anchor (4 @ \$1,350)		\$ 5,400.00
d. SIDEWALK (0 yd ² @ \$25.75/ yd ²)		\$ 0.00
	SUBTOTAL:C-5	\$ 11,020.00
6. SPECIAL FEATURES: Removal of Existing Bridge		
	SUBTOTAL:C-6	\$ 20,000.00

ESTIMATE SUMMARY, Alternative 2 – Realignment

A. RIGHT-OF-WAY ()		LGPA \$20,000	\$	0.00
B. REIMBURSABLE UTILITIES			\$	0.00
C. CONSTRUCTION				
1. MAJOR STRUCTURES			\$	115,500.00
2. GRADING AND DRAINAGE			\$	200,000.00
3. BASE AND PAVING			\$	240,376.00
4. LUMP ITEMS			\$	71,300.00
— 5. MISCELLANEOUS			\$	— 11,020.00
6. SPECIAL FEATURES			\$	20,000.00
SUBTOTAL CONSTRUCTION COST			\$	638,200.00
E. & C. (10%)			\$	63,820.00
INFLATION (5% PER YEAR)			\$	109,132.00
NUMBER OF YEARS		3		
TOTAL CONSTRUCTION COST			\$	811,152.00
GRAND TOTAL PROJECT COST			\$	811,152.00

This project is 100 percent in Harris County.

STATE	PROJECT NUMBER	SHEET TOTAL
CA	BFSLEP-44627	NO. SHEETS
	ISSUE DATES	



CR387 OVER PALMETTO CREEK

- ① 165 lbs/yd³ 12.5mm SUPERPAVE GP 2 ONLY (MDL B)
- ② 220 lbs/yd³ 19mm SUPERPAVE GP1 OR GP2 ONLY (MDL B)
- ③ 330 lbs/yd³ 25mm SUPERPAVE GP1 OR GP2 ONLY (MDL A)
- ④ 7" GRADED AGGREGATE BASE COURSE

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF CONSULTANT DESIGN	URS <small>770 FLORENCE AVENUE, SUITE 2000 ATLANTA, GEORGIA 30308 TEL: 404.521.8800 FAX: 404.521.7334</small>	PALMETTO CREEK ROAD	TYPICAL SECTIONS
			DRAWING NO. 5.01

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 145-0053-0

Harris County

SUFF. RATING: 22.6

Location & Geography

* Structure I.D. No.: 145-0053-0
 200 Bridge Information: 06
 * 6A Feature Int.: PALMETTO CREEK
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: CR00387
 * 7B Facility Carried: FAS 1441
 * 9 Location: 4 MILES SOUTH PINE MOUNTAIN
 2 DOT District: 3
 207 Year Photo: 1997
 * 91 Inspection Frequency: 24 Date: 12/16/1999
 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: 01441
 Direction: 0

* 16 Latitude: 32-48.1
 * 17 Longitude: 84 -50.3

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

* 100 Defense Highway: 0
 * 101 Parallel Structure: N
 * 102 Direction of Traffic: 2
 264 Road Inventory Mile Post: 001.43

* 208 Inspection Area: 08 Initials: JLA

* Location I.D. No: 145-01441F-001.40E
 * XReferen I.D. No: 000-000000-000.000

Signs & Attachments

* 104 Highway System: 0
 * 26 Functional Classification: 07
 * 204 Federal Route Type: S No: 01441
 * 110 Truck Route: 0
 206 School Bus Route: 0
 217 Benchmark Elevation: 0.00
 218 Datum: 0
 * 19 Bypass Length: 5
 * 20 Toll: 3
 * 21 Maintenance: 02
 * 22 Owner: 02
 * 31 Design Load: 0
 37 Historical Significance: 5
 205 Congressional District: 03
 * 27 Year Constructed: 1935
 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: 1

* 230 Guardrail Loc Dir Rear: 0
 Fwrd: 0
 Oppo Dir Rear: 0
 Fwrd: 0

244 Approach Slab: 0
 224 Retaining Wall: 0

* 42 Type Service On: 1
 Under: 5
 214 Movable Bridge: 00
 203 Type Bridge: C-I-M-O
 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: 1

233 Posted Speed Limit: 40
 236 Warning Sign: 0
 234 Delineator: 1
 235 Hazard Boards: 0

237 Utilities Gas: 00
 Water: 34
 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: 145-0053-0

Harris County

SUFF. RATING: 22.6

Programming Data

201 Project No: UNKNOWN
 202 Plans Available: 0
 249 Prop. Proj No: BRSLB-1441 (2)
 250 Approval Status: 0000
 251 P.I. No: 331660
 252 Contract Date: 0000
 260 Seismic No: 00000
 75 Type Work: 31 1
 94 Bridge Imp. Cost: \$ 61
 95 Roadway Imp. Cost: \$ 159
 96 Total Imp. Cost: \$ 247
 76 Imp. Length: 001360
 97 Imp. Year: 1990
 114 Future ADT: 000600 Year: 2018

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0000.0 Year: 0000
 Flood Elev: 0000.0 Freq: 000
 Avg. Streambed Elev: 0000.0
 Drainage Area: 00000
 Area of Opening: 000000
 113 Scour Critical: 6
 216 Water Depth: 0.4 Br Height: 10
 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: 145-01441F-001.40E
 * XReferen I.D. No: 000-0000000-000.000

Measurements

* 29 ADT: 000400 Year: 1998
 * 109 % Trucks: 16
 * 28 Lanes On: 02 Under: 00
 * 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0040
 * 49 Structure Length: 40
 * 51 Br. Rdwy. Width: 21.4
 * 52 Deck Width: 21.4
 * 47 Tot. Horz. Cl: 21.4
 * 50 Curb/Sdewlk Width: 0.0/0.0
 * 32 Approach Rdwy Width: 018
 * 229 Shlder Width:

Rear Lt: 6.0 Type: 8 Rt: 6.0
 Fwd Lt: 6.0 Type: 8 Rt: 6.0
 Pvmnt Width:
 Rear: 18.0 Type: 2
 Fwd: 18.0 Type: 2
 Intersection Rear: 0 Fwd: 0
 36 Safety Features Br. Rail: 3
 Transition: 0
 App. G. Rail: 0
 App. Rail End: 0
 53 Minimum Cl. Over: 99' 99"
 Under: N 00' 00"
 * 228 Min. Vert. Cl

Act. Odm. Dir: 99' 99"
 Oppo. Dir: 99' 99"
 Posted Odm. Dir: 00' 00"
 Oppo. Dir: 00' 00"
 55 Lateral Undercl. Rt: N 99.9
 56 Lateral Undercl. Lt: 0.0
 * 10 Max Min Vert Cl: 99' 99" Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 6.5
 Deck Thick Approach: 0.0
 246 Overlay Thickness: 1.0
 211 Tons Structural Steel: 7.0
 212 Year Last Painted: Sup: 1977 Sub: 0000

Ratings

66 Inventory Type: 2 Rating: 03
 64 Operating Type: 2 Rating: 05
 231 Calculated Loads
 H-Modified: 11 1
 HS-Modified: 17 1
 Type 3: 14 1
 Type 3S2: 20 1
 Timber: 21 1
 Piggyback: 00 0

261 H Inventory Rating: 10
 262 H Operating Rating: 14
 67 Structural Evaluation: 2
 58 Deck Condition: 8
 59 Superstructure Condition: 6
 * 227 Collision Damage: 0
 60A Substructure Condition: 2
 60B Scour Condition: 8
 60C Underwater Condition: N
 71 Waterway Adequacy: 8
 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: 1
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: T

232 Posted Loads H-Modified: 11
 HS-Modified: 17
 Type 3: 14
 Type 3S2: 20
 Timber: 21
 Piggyback: 00
 253 Notification Date: 01/03/1996
 253 Fed Notify Date: 0000 0

NEED AND PURPOSE
PROJECT BR-3316-00 (600) HARRIS COUNTY
PI No. 331660
Bridge Replacement

Project Number BR-3316-00 (600) will replace the existing, structurally deficient bridge located on County Road (CR) 387 over Palmetto Creek in Harris County; this bridge is approximately 4 miles south of Pine Mountain, Georgia.

This bridge was constructed in 1935 and the sufficiency rating is 22.6. 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.

County Road 387 (D Street) is functionally classified as a rural major collector and is designated as a school bus route. The posted speed limit is 40 miles per hour. The Annual Average Daily Traffic (AADT) along this section of roadway has been projected to be 500 vehicles per day (VPD) in 2008 and 750 VPD in 2028 with 8 percent trucks. County Road 387 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.

NOTICE OF LOCATION DESIGN APPROVAL

BR-3316-00 (600) HARRIS COUNTY

P. I. No. 331660

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: FEBRUARY 24, 2003

This project is the 0.19 mile bridge replacement of CR 387 over Palmetto Creek 4.0 miles northeast of Hamilton. A new bridge over the creek will be constructed to replace the currently deficient one. CR 387 will be closed to through traffic during construction of the new bridge. Traffic will be detoured along G St. and SR 116. The project lies entirely within Harris County and within Land District 2 and Land Lots 38,58,59, and 71.

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

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

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

**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.

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BR-3316-00 (600) Harris
P.I. 331660

OFFICE Environment/ Location

DATE October 23, 2001

FROM Harvey D. Keeper, State Environmental/ Location Engineer

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

SUBJECT CR 387 @ Palmetto Creek

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

Existing 2000 ADT = 400
2008 ADT = 500
2028 ADT = 750
K = 10%
D = 60%
T = 8%
24 HR T = 10%
SU = 7%
COMB = 3%

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

HDK:TJW

STATE	PROJECT NUMBER	DATE
GA.	BR-3316-0016001	1/1

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

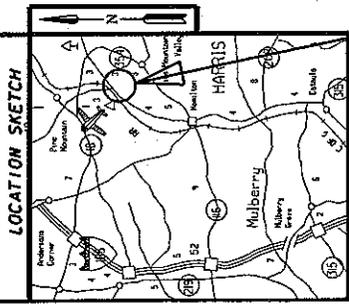
PLAN AND PROFILE OF PROPOSED CR 387 AT PALMETTO CREEK HARRIS COUNTY

**FEDERAL AID PROJECT
BR-3316-001600**

LIMITS OF CONSTRUCTION
CR 387 AT PALMETTO CREEK
STA 6+00
N 1019731.9070
E 2089474.2600

FEDERAL ROUTE NO: N/A
STATE ROUTE NO: N/A
P.J. NO. 331660

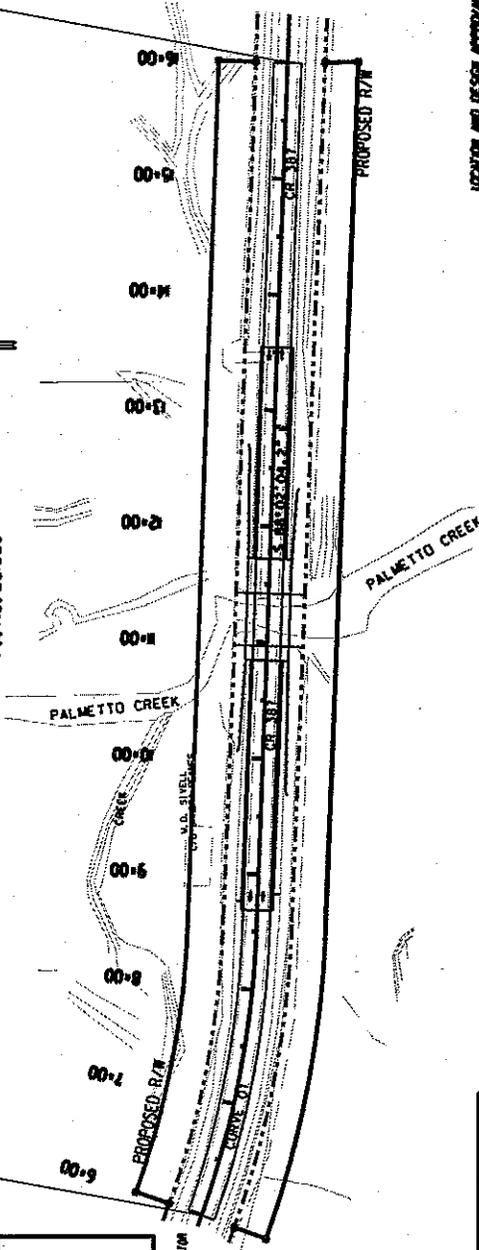
LIMITS OF CONSTRUCTION
CR 387 AT PALMETTO CREEK
STA 16+00
N 1019658.4010
E 2090468.2140



PROJECT NO. BR-3316-0016001

DESIGN DATA	(2008)	(2008)
TRAFFIC A.B.T.:	500	150
CR 387	30	45
TRAFFIC B.A.P.:	600	80
DIRECTIONAL DIST.:	80	40
2 LANE:	80	40
SPEED DESIGN:	40	40
FUNCTIONAL CLASS:	RURAL MAJOR COLLECTOR	RURAL MAJOR COLLECTOR

FUNCTIONAL CLASSIFICATION: RURAL MAJOR COLLECTOR
P.P. CLASSIFICATION: MAJOR EXISTING



LOCATION AND DESIGN APPROVAL SHEET

PREPARED BY: URS CORPORATION
RECOMMENDED FOR SUBMISSION BY:
SUBMITTED BY:

DATE	CHIEF ENGINEER
PAID AS COMPLETED	
BY: 12/13/05	

LENGTH OF PROJECT	TOTAL HARRIS CO (2)
	CR 387
NET LENGTH OF ROADWAY	0.17
NET LENGTH OF BRIDGE CULVERTS	0.02
NET LENGTH OF PROJECT	NA
GROSS LENGTH OF EXCEPTION	0.19
GROSS LENGTH OF PROJECT	0.19

NOTE: ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", "GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT OF GEORGIA", AND SHALL BE DEEMED TO BE THE DEPARTMENT OF TRANSPORTATION.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS AND PROFILES, IS THE PROPERTY OF THE STATE OF GEORGIA AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE STATE HIGHWAY DEPARTMENT OF TRANSPORTATION. THE DATA AND PROFILES 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 104.01 OF THE SPECIFICATIONS.

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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

PROJECT CONCEPT REPORT

CR 387 OVER PALMETTO CREEK

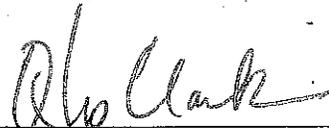
Project Number: BR-3316-00(600)
P.I. NO. 331660
County: HARRIS

FEDERAL ROUTE NO: N/A
STATE ROUTE NO: N/A
COUNTY ROUTE NO: 387

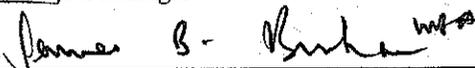
Prepared by:

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

Financial Management Administrator

DATE

State Environmental / Location Engineer

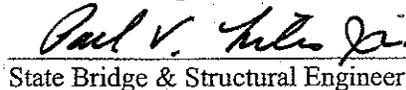
DATE

Project Review Engineer

DATE

State Traffic Operations Engineer

2/20/03
DATE


State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

PROJECT CONCEPT REPORT

CR 387 OVER PALMETTO CREEK

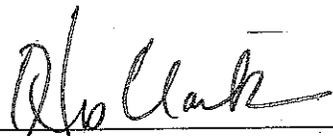
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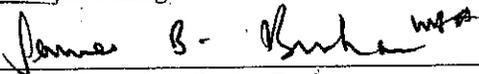
Prepared by:

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	_____ Financial Management Administrator
_____ DATE	_____ State Environmental / Location Engineer
<u>1/28/03</u> DATE	<u>David J. Mulling</u> <i>DEW</i> Project Review Engineer
_____ DATE	_____ State Traffic Operations Engineer
_____ DATE	_____ State Bridge & Structural Engineer

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: ^{PZ-3316-00(600)}~~BRSLB-1441(2)~~ / Harris County
P.I. No. 331660

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

PMA/sz
From: 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 SR 387 over Palmetto Creek 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 Keeper, 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

CR 387 OVER PALMETTO CREEK

Project Number: BR-3316-00(600)
P.I. NO. 331660
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FEDERAL ROUTE NO: N/A
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COUNTY ROUTE NO: 387

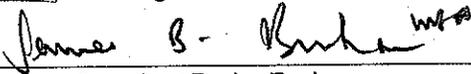
Prepared by:

DATE 1-22-03



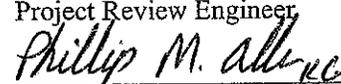
Project Manager

DATE 1-27-03



State Consultant Design Engineer

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DATE _____	State Transportation Planning Administrator
DATE _____	Financial Management Administrator
DATE _____	State Environmental / Location Engineer
DATE _____	Project Review Engineer
<u>1/30/03</u>	
DATE _____	State Traffic Operations Engineer
DATE _____	State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

PROJECT CONCEPT REPORT

CR 387 OVER PALMETTO CREEK

Project Number: BR-3316-00(600)
P.I. NO. 331660
County: HARRIS

FEDERAL ROUTE NO: N/A
STATE ROUTE NO: N/A
COUNTY ROUTE NO: 387

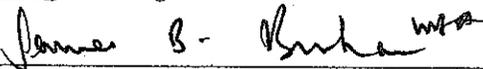
Prepared by:

DATE 1-22-03

DATE 1-27-03

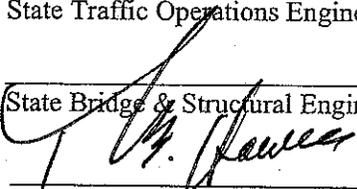


Project Manager



State Consultant Design Engineer

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_____ DATE	_____ State Transportation Planning Administrator
_____ DATE	_____ Financial Management Administrator
_____ DATE	_____ State Environmental / Location Engineer
_____ DATE	_____ Project Review Engineer
_____ DATE	_____ State Traffic Operations Engineer
_____ DATE	_____ State Bridge & Structural Engineer
<u>2-7-03</u> DATE	 _____ District Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

PROJECT CONCEPT REPORT

CR 387 OVER PALMETTO CREEK

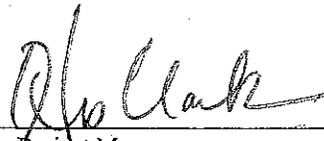
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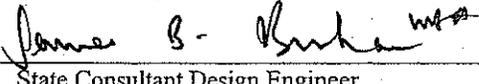
Prepared by:

DATE 1-22-03

DATE 1-27-03



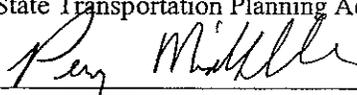
Project Manager



State Consultant Design Engineer

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DATE
1/31/03
DATE

State Transportation Planning Administrator

Financial Management Administrator

DATE

State Environmental / Location Engineer

DATE

Project Review Engineer

DATE

State Traffic Operations Engineer

DATE

State Bridge & Structural Engineer