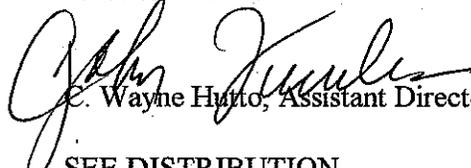


ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0746(7) Harris County **OFFICE** Preconstruction
P. I. No. 343371
DATE January 16, 2002
FROM  C. Wayne Hutto, Assistant Director of Preconstruction
TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

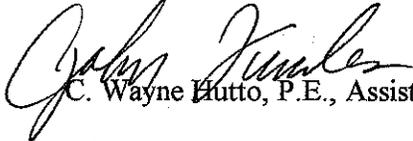
Tom Turner
David Mulling
Harvey Keepler
Jerry Hobbs
Herman Griffin
Michael Henry
Phillip Allen
Marta Rosen
Paul Liles
Ben Buchan
Glenn Durrence
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0746(7) Harris County **OFFICE** Preconstruction
P.I. No. 343371

DATE January 10, 2002

FROM  C. Wayne Kutto, 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 SR 116 over Palmetto Creek, 1.4 miles east of Hamilton, Georgia. The existing bridge, constructed in 1955, is load limited with a sufficiency rating of 25. State Route 116 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. This section of SR 116 is functionally classified as a rural minor collector and is a designated school bus route. Traffic is projected to be 4,800 VPD and 8,600 VPD in the years 2006 and 2026 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate SR 116 south of its present location, extending a total of 0.76 mile. The proposed new bridge will be 90' x 44' and will be located just south of the existing bridge structure. In addition, a new 7' x 7' single box culvert will replace the existing 72" corrugated metal arch culvert within the project limits. The relocated SR 116 will consist of two, 12' lanes with 10' rural shoulders (2' paved). Traffic will be maintained on the existing bridge while the proposed bridge is constructed.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; 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)	\$1,635,000	\$1,100,000	2003	03-06
Right-of-Way	\$ 85,000	\$ 10,000		
Utilities*	LGPA	LGPA		

*Harris County signed LGPA for utilities 8-3-99.

Frank L. Danchetz

Page 2

BRST-0746(7) Harris

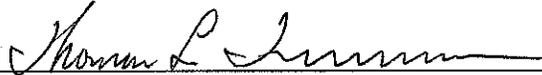
January 10, 2002

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

CWH:JDQ/cj

Attachment

CONCUR



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

APPROVE



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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRST-0746(7) Harris
P.I. Number 343371-

OFFICE: Engineering Services

DATE: January 7, 2002

FROM: David Mulling, *DM* Project Review Engineer

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT

JAN - 8 2002

We have reviewed the concept report submitted December 19, 2001 by the letter from James B. Buchan dated December 18, 2001, and have the following comment:

1. On Page 8 of 13 in the note for Alternate 4 the bridge sufficiency rating is shown as 38.7. The bridge sufficiency rating is 25.1.

The costs for the project are:

Construction	\$1,415,000
Inflation	\$ 71,000
E&C	\$ 149,000
Reimbursable Utilities	\$ 85,000
Right of Way	\$ 10,000

DTM

c: Ben Buchan

SCORING RESULTS AS PER MOG 2440-2

Project Number: BRST-0746(7)	County: Harris	PI No.: 343371-
Report Date: 12/18/01	Concept By: DOT Office: CONSULTANT DESIGN	
<input checked="" type="checkbox"/> CONCEPT	Consultant: J. B. Trimble	
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 <input type="checkbox"/> Building <input type="checkbox"/> Interchange <input type="checkbox"/> Intersection <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous
FOCUS AREAS	SCORE	RESULTS
Presentation	100%	Sufficiency rating in alternate 4 note on page 8 incorrect.
Judgement	100%	
Environmental	100%	
Right of Way	100%	
Utility	100%	
Constructability	100%	
Schedule	100%	

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0746(7) Harris County
SR 116 @ Palmetto Creek 1.4 mi E of SR 1
P.I. No. 343371-

James B. Buchan

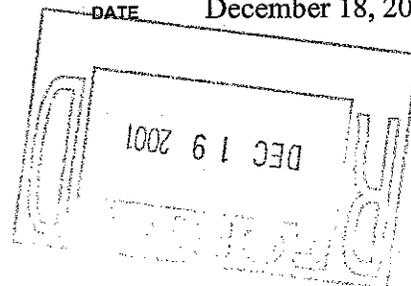
FROM James B. Buchan, State Consultant Design Engineer

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT PROJECT CONCEPT REPORT

OFFICE Atlanta

DATE December 18, 2001



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 Steve Tiedemann of J.B. Trimble, Inc. at (770) 952-1022.

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, State Transportation Programming Engineer
Glenn Durrence, District Engineer - Thomaston
Paul Liles, State Bridge & Structural Engineer

JBB:MBA:OC

cc: J.B. Trimble, Inc.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF CONSULTANT DESIGN

PROJECT CONCEPT REPORT

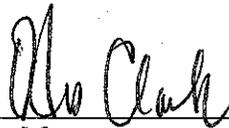
Project Number: BRST-0746(7)
County: HARRIS
P.I. Number: 343371

Federal Route Number: N/A
State Route Number: 116

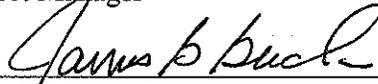
Recommendation for approval:

DATE 12-18-01

DATE 12-18-01



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 _____

State Transportation Programming Engineer

DATE _____

State Environmental / Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE _____

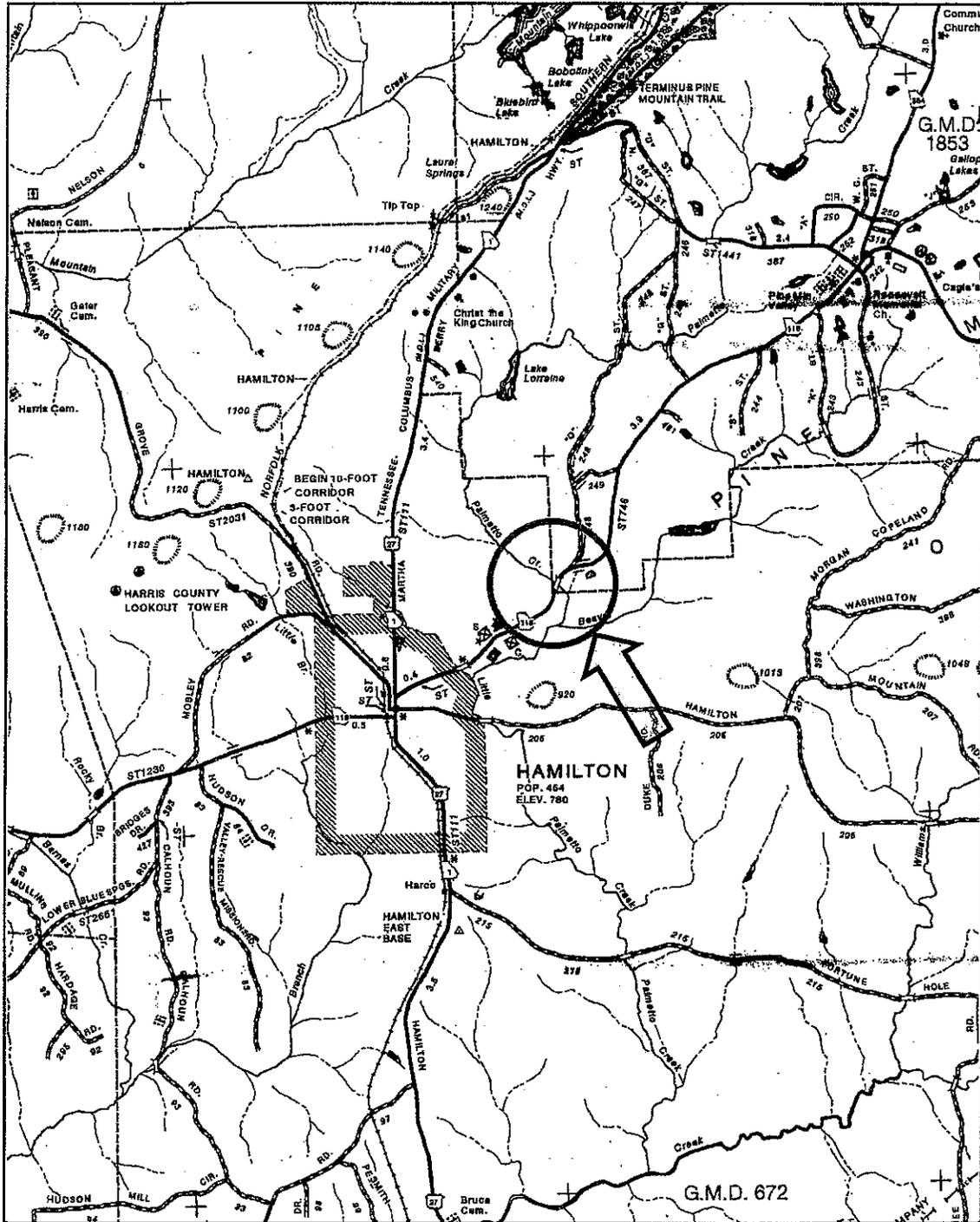
District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Design Engineer



Location Map

Project: BRST-0746(7) Harris County PI No.: 343371-

Description: SR 116 @ Palmetto Creek 1.4 mi E of SR 1

HAMILTON.

PROJECT CONCEPT REPORT

PROJECT: BRST-0746(7)

PROJECT NEED & PURPOSE

Bridge project BRST-0746 (7) would replace the structurally deficient bridge located on State Route (SR) 116 over Palmetto Creek. The bridge's sufficiency rating is 25.1. The Office of Bridge Maintenance has determined that any structure with a sufficiency rating less than 50 be replaced rather than improved. This project would replace the existing bridge with a structurally adequate bridge.

This section of SR 116 is functionally classified as a rural major collector and is designated as a school bus route. The posted speed along this section of SR 116 is 55 mph. The bridge is located 1.4 miles east of Hamilton and was constructed in 1955. The Average Daily Traffic (ADT) along this section of SR 116 is 4800 for 2006. The projected (2026) ADT is 8600 with 5% trucks.

Replacing this bridge will bring it up to current design standards and in doing so will improve the operation and safety of this roadway.

DESCRIPTION OF PROPOSED PROJECT

This project is located in Harris County on SR 116 at Palmetto Creek, approximately 1.4 miles east of city of Hamilton. It consists of replacing the existing structurally deficient bridge on SR 116 over Palmetto Creek. Traffic will be maintained on existing alignment and the proposed bridge will be constructed on a new alignment to the south.

Project Length: 0.76 miles
Is the project located in a Non-attainment area? No

PDP CLASSIFICATION

Full Oversight () Exempt (X) State Funded ()

FUNCTIONAL CLASSIFICATION
 RURAL MAJOR COLLECTOR

TRAFFIC				
CURRENT		PROJECTED		
<u>YEAR</u>	<u>AADT</u>	<u>YEAR</u>	<u>AADT</u>	
2006	4,800	2026	8,600	

PROJECT CONCEPT REPORT

EXISTING DESIGN FEATURES				
TYPICAL SECTION: The existing roadway is a two lane rural section with 12-foot travel lanes, shoulders and side ditches.				
R/W WIDTH: 60'				
POSTED SPEED	MAX DEGREE OF CURVATURE		MAX GRADE	
55 mph	≈8°00'00"		≈7.0%	
STRUCTURES:	Length	Width	Priority Rating	Sufficiency Rating
Structure No. 145-0022-0 Bridge At Palmetto Creek	120'	24'	1-35S	25.1
Metal arch culvert at Palmetto Creek tributary	40'	72"	NA	NA
EXISTING ROADWAY SEGMENT LENGTH: 0.41 miles				
BEGINNING MILE LOG FOR COUNTY SEGMENT: 10.43				

PROPOSED DESIGN FEATURES		
TYPICAL SECTION: The proposed roadway will consist of two 12-foot travel lanes, 2 foot paved shoulders, 8 foot unpaved shoulders and rural side ditch sections.		
MAINLINE DESIGN SPEED	MAX DEGREE OF CURVE	MAX GRADE
55 mph	Proposed: 5°00'00" Allowable: 5°15'00"	Proposed: 3.65% Allowable: 6.5%

PROJECT CONCEPT REPORT

PROPOSED RIGHT OF WAY				
R/W WIDTH: Varies 75' min. 100' max.?				
EASEMENTS:	Temporary (X)	Permanent (X)	Utility ()	Other ()
TYPE OF ACCESS CONTROL:	Full ()	Partial ()	By Permit (X)	Other ()
NUMBER OF PARCELS IMPACTED: 6				
DISPLACEMENTS:	Businesses ()	Residences ()	Mobile Homes ()	Other ()

PROPOSED STRUCTURES		
	LENGTH	WIDTH
Bridge	90'	44'
Description: The proposed structure will be a single span prestressed concrete bridge on concrete end bents.		
Culvert: A 7'x7' single concrete box culvert will replace a 72" existing corrugated metal arch culvert.		

MAJOR INTERSECTIONS AND INTERCHANGES
Description: None

TRAFFIC CONTROL DURING CONSTRUCTION
Description: The proposed structure will be constructed while traffic is maintained on the existing bridge and roadway.

PROJECT CONCEPT REPORT

DESIGN EXCEPTIONS TO CONTROLLING CRITERIA ANTICIPATED:

	YES	NO	UNDETERMINED
HORIZ ALIGNMENT	()	(X)	()
ROADWAY WIDTH	()	(X)	()
SHOULDER WIDTH	()	(X)	()
VERT GRADES	()	(X)	()
CROSS SLOPES	()	(X)	()
STOPPING SIGHT DIST	()	(X)	()
SUPERELEV RATES	()	(X)	()
HORIZ CLEARANCE	()	(X)	()
SPEED DESIGN	()	(X)	()
VERTICAL CLEARANCE	()	(X)	()
BRIDGE WIDTH	()	(X)	()
BR STRUCT CAPACITY	()	(X)	()

Design Variances: NONE

Environmental Concerns: NWP 23 with PCN anticipated.

LEVEL OF ENVIRONMENTAL ANALYSIS

Are Time Saving Procedures Appropriate? Yes (X) No ()

Categorical Exclusion (X) Anticipated	Environmental Assessment / Finding of No Significant Impact (FONSI) ()	Environmental Impact Statement ()
--	---	---------------------------------------

UTILITY INVOLVEMENTS

WATER:

TELEPHONE:

POWER:

GAS:

CABLE TV:

PROJECT CONCEPT REPORT

PROJECT RESPONSIBILITIES

DESIGN: J.B. Trimble, Inc.

RIGHT OF WAY ACQUISITION: Georgia Department of Transportation

RELOCATION OF UTILITIES: Harris County via LGPA

LETTING TO CONTRACT: Georgia Department of Transportation

SUPERVISION OF CONSTRUCTION: Georgia Department of Transportation

PROVIDING MATERIAL PITS: Contractor

PROVIDING DETOURS: N/A

COORDINATION

CONCEPT TEAM MEETING DATE (Minutes Attached): October 11, 2001

MEETS LOGICAL TERMINI REQUIREMENTS: Yes

P.A.R. MEETING: None

LOCATION INSPECTION DATE: August 20, 2000

FEMA, USCG AND/OR TVA: None

LEVEL OF PUBLIC INVOLVEMENT: None required

LOCAL GOVERNMENT COMMITMENTS: Utility Relocation; LGPA signed by Harris County 8-3-99

OTHER PROJECTS IN THE AREA: BRST-0746(8), BRST-0746(6)

OTHER COORDINATION TO DATE: City of Hamilton coordination

PROJECT CONCEPT REPORT

SCHEDULING (Responsible Parties' Estimate)

TIME TO COMPLETE ENVIRONMENTAL PROCESS:	4	Months
TIME TO COMPLETE PRELIMINARY RD/RW PLANS:	3	Months
TIME TO COMPLETE 404 PERMIT:	3	Months
TIME TO COMPLETE FINAL CONSTRUCTION PLANS:	3	Months
TIME TO PURCHASE RIGHT-OF-WAY:	12	Months
OTHER MAJOR ITEMS THAT WILL AFFECT PROJECT SCHEDULE:		

ALTERNATIVES CONSIDERED

Alternate 1 - Close SR 116 and route traffic to an off-site detour. This was considered impractical since the detour would be 15-20 miles long and would require vehicles to travel SR 354 to SR 190 to SR 85 Alt.

Alternate 2 - Permanently realign SR 116 to the north. A steep slope on the north side of the road at the beginning of the project would require large cuts if the alignment were to go in this direction. Further, an S-curve would have to be introduced because the road curves to the south after crossing the bridge. For these reasons this alternative was determined to be impractical.

Alternate 3 - Temporarily maintain traffic via an on-site detour and construct the bridge in the existing location. Because of the fill required, it is estimated that a temporary detour on the east side would cost approximately \$539,000. The existing horizontal and vertical alignments are substandard, offering limited sight distance in an area that periodically has a substantial amount of cross street traffic. The existing alignment would require a substantial amount of relocation. Therefore, this alternative was determined to be impractical.

Alternate 4 - Rehabilitate the existing structure. The FHWA has mandated that any structure with a sufficiency rating less than 50 should be replaced. Since this bridge has a sufficiency rating of 38.7, a full replacement is required and this alternative was discarded.

Alternate 5 - Permanently realign SR 116 mostly to the east and cross the existing alignment on the east end of the project to flatten the horizontal curves. Since there are no structures close to the road and the terrain is largely open pasture, this alternative was considered to be the most practical.

PROJECT CONCEPT REPORT

COMMENTS: For comparison purposes, the total cost for the alternative selected is approximately \$1,719,222. The total project cost of the alternative utilizing an on-site detour would have been \$2,258,222. The cost of the alternative with an on-site detour takes in to account the fact that less right of way would be required.

ATTACHMENTS:

- Detailed Cost Estimate
- Typical Sections
- Estimated traffic assignments
- Concept Team meeting minutes
- Notice of Location and Design Approval
- Bridge inventory data

PREPARED BY: J.B. Trimble, Inc.

**PROJECT CONCEPT REPORT
PRELIMINARY COST ESTIMATE**

PROJECT NUMBER: BRST-0746(7)

COUNTY: HARRIS

DATE: September 26, 2001

ESTIMATED LETTING DATE: FY 2003

PREPARED BY: J.B. Trimble, Inc.

PROJECT LENGTH (MILES): 0.76 Mi

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

PROJECT COST	
A. RIGHT-OF-WAY: (LGPA)	
1. PROPERTY (LAND & EASEMENT)	\$75,000.00
2. DISPLACEMENTS; RES:0, BUS:0, M.H.:0	\$0.00
3. OTHER COST (ADM./COST, INFLATION)	\$10,000.00
SUBTOTAL: A	\$85,000.00
B. REIMBURSABLE UTILITIES: (LGPA)	
1. RAILROAD	\$0.00
2. TRANSMISSION LINES	\$0.00
3. SERVICES (by Local Government)	\$10,000.00
SUBTOTAL: B	\$10,000.00
CONSTRUCTION	
C. MAJOR STRUCTURES	
1. RETAINING WALLS	\$0.00
2. BRIDGES (90' X 44' bridge)	\$297,000.00
3. DETOUR BRIDGES	\$0.00
4. CULVERTS (7'x7' box)	\$34,150.00
SUBTOTAL: C	\$331,150.00

PROJECT CONCEPT REPORT

D. GRADING AND DRAINAGE	
1. EARTHWORK	
a. BORROW: (71,000 cu. yd. @ \$6.00)	\$426,000.00
b. EXCAVATION: (16,000 cu. yd. @ \$4.00)	\$64,000.00
SUBTOTAL: D-1	\$490,000.00
2. DRAINAGE	
a. SIDE DRAIN PIPE (250 ft of 15 in @) \$18)	\$4,500.00
b. FES (12 ea @ \$2,200)	\$2,400.00
c. 24" TYPE I RIPRAP (65 SY @ \$40)	\$2,600.00
SUBTOTAL: D-2	\$9,500.00
SUBTOTAL: D	\$499,500.00
E. BASE AND PAVING	
1. AGGREGATE BASE (9,650 sq. yd. of 12" @ \$12)	\$115,800.00
2. SURFACE AGGREGATE (200 tons @ \$15)	\$3,000.00
3. ASPHALT PAVING	
a. Surface - 19 mm Superpave (870 tons @ \$34.50)	\$30,015.00
b. Binder - 25 mm Superpave (3,020 tons @ \$37)	\$111,740.00
c. Base - 12.5 mm Superpave (3,360 tons @ \$33)	\$110,880.00
d. Leveling (150 tons @ \$36.50)	\$5,475.00
e. Tack Coat (1,810 gals @ \$1)	\$1,810.00
SUBTOTAL: E-3	\$259,920.00
4. CONCRETE PAVING -- Approach Slabs (230 sq. yd. @ \$90)	\$20,700.00
SUBTOTAL: E	\$399,420.00

PROJECT CONCEPT REPORT

F. LUMP ITEMS	
1. TRAFFIC CONTROL	\$35,000.00
2. CLEARING AND GRUBBING	\$30,000.00
3. GRASSING	\$10,000.00
4. EROSION CONTROL	\$50,000.00
5. REMOVAL OF EXISTING BRIDGE	\$40,000.00
SUBTOTAL: F	\$165,000.00
G. MISCELLANEOUS	
1. SIGNING	
a. SIGNS	\$500.00
b. POSTS	\$500.00
SUBTOTAL: G-1	\$1,000.00
2. STRIPING	
1. 5 IN WHITE SOLID (4000 ft @ \$0.50)	\$2,000.00
2. 5 IN YELLOW SOLID (4000 ft @ \$0.50)	\$2,000.00
SUBTOTAL: G-2	\$4,000.00
3. GUARDRAIL	
a. TYPE W (650 ft @ \$12)	\$7,800.00
b. TYPE T (84 ft @ \$35)	\$2,940.00
c. TYPE 12 ANCHORS (2 @ \$1600)	\$3,200.00
d. TYPE 1 ANCHORS (2 @ \$450)	\$900.00
SUBTOTAL: G-3	\$14,840.00
SUBTOTAL: G	\$19,840.00

PROJECT CONCEPT REPORT

ESTIMATE SUMMARY	
A. RIGHT-OF-WAY	\$ 85,000.00 (LGPA)
B. REIMBURSABLE UTILITIES	\$ 10,000.00 (LGPA)
CONSTRUCTION	
C. MAJOR STRUCTURES	\$331,150.00
D. GRADING AND DRAINAGE	\$499,500.00
E. BASE AND PAVING	\$399,420.00
F. LUMP ITEMS	\$165,000.00
G. MISCELLANEOUS	\$19,840.00
SUBTOTAL CONSTRUCTION COST	\$1,414,910.00
INFLATION (5% PER YEAR)	\$70,746.00
NUMBER OF YEARS - 1	
E. & C. (10%)	\$148,566.00
TOTAL CONSTRUCTION COST	\$1,634,222.00
GRAND TOTAL PROJECT COST	\$1,719,222.00

October 11, 2001
GDOT Office of Consultant Design
PI 343371 – Concept Mtg.

PI 343371
Concept Team Meeting Notes

Attendees:

Bill Patrick – Harris County Engineer	706-628-4958
Scott Parker – GDOT District #3 Traffic & Operations	706-646-6561
Otis Clark – GDOT Office of Consultant Design	404-463-6265
Ronny Stubbs – GDOT District #3 Right-of-Way	706-646-6540
Kim Brown – GDOT District #3 Utilities	706-646-6548
Lamar Pruitt Jr. – GDOT District #3 Construction	706-646-6569
Steve Linley – J.B. Trimble	770-952-1022

Steve Linley of J.B. Trimble, the consultant firm providing the design services for the project, gave a brief overview of the project including a discussion of how the alignment was developed. Primarily, the proposed alignment was developed to eliminate substandard horizontal and vertical curvature while maintaining the integrity of the county park along the south side of SR 116 and keeping the state route open to traffic. An off-site detour isn't feasible due to the long detour route (approximately 15 - 20 miles). An on site detour was considered impractical due to the fact that it would leave in place the substandard horizontal and vertical geometrics.

Items of discussion included:

There was a general discussion about the project. Team members generally agreed that the proposed improvements would greatly improve the safety of this section of SR 116. One item of discussion was the access to the county park on the north side of the proposed alignment, and if it might be practical to use the old SR 116 as an access road to the park. Mr. Clark stated that because the existing bridge has a substandard sufficiency rating it would have to be removed. Mr. Linley left a roll plot of the proposed improvements with Mr. Patrick for the County's input into access to the park and County Route "O".

Mr. Pruitt questioned whether or not a culvert could be utilized at this location reducing the construction cost substantially. Mr. Linley stated that he believed that a box culvert did not meet GDOT hydraulic design criteria.

Mr. Pruitt stated that it is now the contractor's responsibility to provide material pits.

Mr. Pruitt requested that the proposed vertical grade be reduced below 7% to increase the safety of the roadway. Mr. Parker also expressed concerns that straightening out the alignment and maintaining such a steep grade will increase travel speeds through a heavily used recreational area.

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0746(7), Harris County
OFFICE Environment/ Location
P.I. # 343371
DATE March 22, 2000

FROM David E. Studstill, P.E., State Environment/ Location

TO Jimmy Chamber, Office Of Consultant Management
Attn. Ted Cashin

SUBJECT SR 116 @ Palmetto Creek 1.4 mi E of SR 1 in Harris County.

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

2006 AADT = 4800
2026 AADT = 8600
K = 10%
D = 60%
T = 5%
24 HR. T = 7%
S.U. = 4%
COMB. = 3%

If you have any questions concerning this information please contact Dan Funk at (404) 699-3474.

NOTICE OF LOCATION AND DESIGN APPROVAL

**BRST-0746(7), Harris County
P. I. NUMBER 343371**

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 this project.

The date of location approval is JANUARY 16, 2002.

The project is located in Harris County on SR 116 at Palmetto Creek approximately 1.4 miles east of the city of Hamilton. The project is located in Land District 21 in Land Lots 155, 156 and 166.

The project consists of the replacement of the structurally deficient bridge on SR 116 over Palmetto Creek. The proposed bridge structure will be built on new alignment to the south of the existing bridge.

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

Mr. Dewayne Meacham – Area Engineer
Email address: dewayne.meacham@dot.state.ga.us
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
Otis.Clark@dot.state.ga.us
No. 2 Capital Square
Atlanta, Georgia 30334
404-463-6265

Any written request or communication in reference to this project or notice MUST include the Project and P. I. Numbers as noted at the top of this notice.

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 145-0022-0

Harris County

SUFF. RATING: 25.1

Programming Data

201 Project No: STATE MAINT. FORCES
 202 Plans Available: 0
 249 Prop. Proj No: BRST-0746 (7)
 250 Approval Status: 0000
 251 P.I. No: 343371
 252 Contract Date: 02/01/2002
 260 Seismic No: 00000
 75 Type Work: 34 1
 94 Bridge Imp. Cost: \$ 154
 95 Roadway Imp. Cost: \$ 233
 96 Total Imp. Cost: \$ 465
 76 Imp. Length: 001440
 97 Imp. Year: 1990
 114 Future ADT: 005250 Year: 2018

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0000.0 Year: 0000
 Flood Elev: 0000.0 Freq: 00
 Avg. Streambed Elev: 0000.0
 Drainage Area: 00000
 Area of Opening: 6
 113 Scour Critical:
 216 Water Depth: 01.4 Br Height: 13.4
 222 Slope Protection: 6
 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: 145-00116D-010.79E
 * XReferen I.D. No: 000-0000000-000.000

Measurements

* 29 ADT: 003500 Year: 1998
 109 % Trucks: 16
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0015
 * 49 Structure Length: 120
 51 Br. Rdwy. Width: 23.9
 52 Deck Width: 26.0
 * 47 Tot. Horz. Cl: 23.9
 50 Curb/Sdewlk Width: 0.5/0.5
 32 Approach Rdwy Width: 23
 * 229 Shlder Width:
 Rear Lt: 2.0 Type: 8 Rt: 2.0
 Fwd Lt: 2.0 Type: 8 Rt: 2.0
 Pvmnt Width:
 Rear: 23.0 Type: 2
 Fwd: 23.0 Type: 2
 Intersection Rear: 0 Fwd: 0
 36 Safety Features Br. Rail: 3
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 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 Mam: 12.0
 Deck Thick Approach: 0.0
 246 Overlay Thickness: 3.0
 211 Tons Structural Steel: 0.0
 212 Year Last Painted: Sup: 0000 Sub: 1955

Ratings

66 Inventory Type: 2 Rating: 13
 64 Operating Type: 2 Rating: 29
 231 Calculated Loads
 H-Modified: 14 1
 HS-Modified: 22 1
 Type 3: 18 1
 Type 3s2: 33 1
 Timber: 25 1
 Piggyback: 00 0
 261 H Inventory Rating: 10
 262 H Operating Rating: 15
 67 Structural Evaluation: 2
 58 Deck Condition: 5
 59 Superstructure Condition: 5
 * 227 Collision Damage: 0
 60A Substructure Condition: 5
 60B Scour Condition: 8
 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: 5
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 3
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: T
 232 Posted Loads H-Modified: 14
 HS-Modified: 22
 Type 3: 18
 Type 3S2: 33
 Timber: 25
 Piggyback: 00
 253 Notification Date: 0000
 253 Fed Notify Date: 0000 2

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

SUFF. RATING: 25.1

Harris County

Structure ID: 145-0022-0 Location & Geography

* Structure I.D. No.: 145-0022-0
 * 200 Bridge Information: 07
 * 6A Feature Int.: PALMETTO CREEK
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: SR001116
 * 7B Facility Carried: SR 116
 * 9 Location: 1.4 MILES EAST OF HAMILTON
 * 2 DOT District: 3
 * 207 Year Photo: 1997

* 91 Inspection Frequency: 24 Date: 12/15/1999
 * 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: 3
 Designator: 1
 Number: 00116
 Direction: 0

* 16 Latitude: 32-46.2
 * 17 Longitude: 84 -51.4

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: 010.58

* 208 Inspection Area: 08 Initials: JLA

* Location I.D. No: 145-00116D-010.79E
 * XReferen I.D. No: 000-0000000-000.000

Signs & Attachments

* 104 Highway System: 0
 * 26 Functional Classification: 07
 * 204 Federal Route Type: S No: 00746
 * 110 Truck Route: 0
 * 206 School Bus Route: 1
 * 217 Benchmark Elevation: 0.00
 * 19 Bypass Length: 8
 * 20 Toll: 3
 * 21 Maintenance: 01
 * 22 Owner: 01
 * 31 Design Load: 2
 * 37 Historical Significance: 5
 * 205 Congressional District: 03
 * 27 Year Constructed: 1955
 * 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: 3
 * 42 Type Service On: 1 Under: 5
 * 214 Movable Bridge: 00
 * 203 Type Bridge: E-N-A-O
 * 259 Pile Encasement: 1
 * 43 Structure Type Main: 1 01
 * 45 No. Spans Main: 008
 * 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: 2
 * 108 Wearing Surface Type: 6
 * Membrane: 0
 * Protection: 0

223 Expansion Joint Type: 02
 242 Deck Drains: 1
 243 Parapet Location: 0
 Height: 0
 Width: 0
 238 Curb: 1.2 1
 239 Handrail: 2 2
 * 240 Median Barrier Rail: 0
 241 Bridge Median Height: 0
 Width: 0
 * 230 Guardrail Loc Dir Rear: 6
 Fwrd: 6
 Oppo Dir Rear: 0
 Fwrd: 0
 244 Approach Slab: 3
 224 Retaining Wall: 0
 233 Posted Speed Limit: 55
 236 Warning Sign: 0
 234 Delinicator: 1
 235 Hazard Boards: 1

237 Utilities Gas: 00
 Water: 00
 Electric: 00
 Telephone: 00
 Sewer: 00

247 Lighting Street: 0
 Navigation: 0
 Aerial: 0
 * 248 County Continuity No: 00

P.I. NUMBER : 343371-

HARRIS CO.

SCHED. LET: 04-07

DESCRIPTION : SR 116 @ PALMETTO CREEK 1.4 MI E OF SR 1
 PROJECT NO. : BRST-0746(7)
 P.E. PROJECT: BRST-0746(7)
 PROJ. LENGTH: .22 MI.

CONCEPT:

ASST. HD: JRC
 SQUAD LDR: T. CASHIN

BIKE:
 METRIC:
 CONSULTANT: C
 P.E. DATE: 10/26/99

ACTIVITY	SCHED START	SCHED FINISH	ACTUAL START	ACT/EST FINISH	PCT	NOTES	PROGRAM ESTIMATES
CONCEPT PHOTOS			NO RPT	NO RPT	N/R		PE : \$5,000
DRAFT CONCEPT/RPT			NO RPT	NO RPT	0%		R/W : \$10,000
CONCEPT MTG				NO RPT			CNST: \$786,000
SUB RPT TO ENG SERV				NO RPT			EST DATE: 4/15/99
RECV ENG SERV APPRV				NO RPT			
MGMT APPRV REPORT			NO RPT	NO RPT	0%		LOC TAX N
ENVIRONMENTAL			1-Jul-2000	31-Dec-2000	0%		
HOLD HEARING				NO RPT			STIP: Y
MAPPING			NO RPT	NO RPT	N/R		PE PROG DATE: 9910
PHOTO X-SECTIONS			NO RPT	NO RPT	N/R		R/W PROG DATE: 2001
FIELD SURVEYS			NO RPT	NO RPT	0%		CST PROG DATE: 2002
FINAL ALT. APPROVAL				NO RPT			
L & D APPROVAL			NO RPT	NO RPT	0%		
HOLD PREL. FPR				NO RPT			EXEMPT: Y
PREL RD/RW PLANS			NO RPT	NO RPT	0%		
APPROVE R/W PLANS			NO RPT	NO RPT	0%		R/W DATA
SECURE 404 PERMIT			NO RPT	NO RPT	0%		SCHED R/W AUTH: 20-03
PREL BRIDGE/HYDRAU			NO RPT	NO RPT	0%		ACT. R/W AUTH: 20-03
BRIDGE PLANS			NO RPT	NO RPT	0%		R/W ACQD. BY: DOT
RECV SOIL SURVEYS				NO RPT			# PARCELS: 0
U.S.T.'S			NO RPT	NO RPT	0%		# APPR. TO DATE: 0
HOLD FINAL FPR				NO RPT			# ACQD. TO DATE: 0
FINAL CST. PLANS			NO RPT	NO RPT	0%		

COMMENTS

>PDD : [01R] APRIL BOARD ADDITION: ASSIGNED CONSULTANT TASK FORCE 4/30/99
 >DZN :
 >PLAN:
 >DIST:
 >T&S : NO SIGN & MKG PLANS REQ'D KRA 4/29/99 #
 >BR : 1-35s BRIDGE REQUIRED
 >UT :
 >RR :
 >LGPA: HARRIS SGN UTILITIES 8-3-99.

>LOC : BRIDGE
 >EIS : MITCHELL - CONS TASK FORCE
 >404 : NW 23 EXPECTED - CONSULTANT TASK FORCE
 >UST :
 >PITS:
 >R/W :

HARRIS CO.
 P.I. NUMBER : 343371-

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF CONSULTANT DESIGN

PROJECT CONCEPT REPORT

Project Number: BRST-0746(7)
County: HARRIS
P.I. Number: 343371

Federal Route Number: N/A
State Route Number: 116

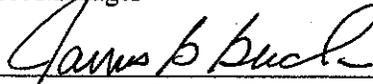
Recommendation for approval:

DATE 12-18-01

DATE 12-18-01



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 12/28/01



State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental / Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Design Engineer

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Alto Clark

Project Manager

James B. Buch

State Consultant Design Engineer

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Heavenly J. Suffer

State Transportation Programming Engineer

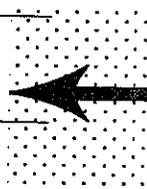
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State Traffic Safety & Design Engineer

District Engineer

Project Review Engineer

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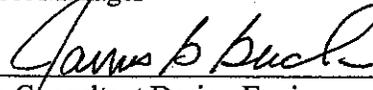
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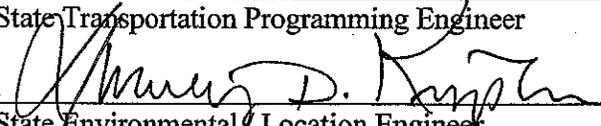
DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE 1/02/02


State Environmental Location Engineer

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State Traffic Safety & Design Engineer

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State Bridge & Structural Design Engineer

Department of Transportation
State of Georgia

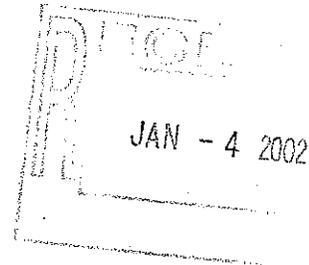
INTERDEPARTMENTAL CORRESPONDENCE

File: BRST-0746(7) / Harris County
P.I. No. 343371

Office: Traffic Safety & Design
Atlanta, Georgia
Date: December 27, 2001

From: ^{PMA/acc} Phillip M. Allen, State Traffic Safety and Design Engineer
To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review



We have reviewed the above referenced concept report for the proposed bridge replacement along State Route 116 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 Keepler, Environment/Location Engineer
Glenn Durrence, District Engineer – Thomaston
Attention: David Millen, District Preconstruction Engineer
David Mulling, Engineer Services, w/ attachment
Marta Rosen, State Transportation Planning Administrator
Chuck Hasty, TMC
General Files
Office Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF CONSULTANT DESIGN

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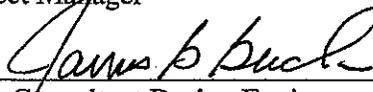
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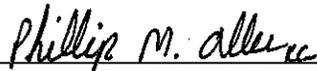
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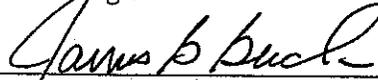
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State Traffic Safety & Design Engineer

1-2-02

DATE _____

District Engineer



DATE _____

Project Review Engineer

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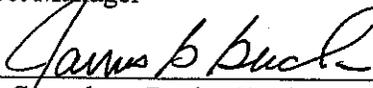
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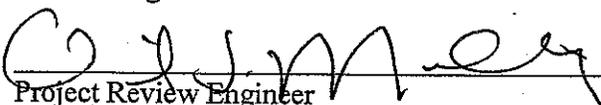
DATE _____

State Traffic Safety & Design Engineer

DATE _____

District Engineer

DATE 1/7/02



Project Review Engineer

DATE _____

State Bridge & Structural Design Engineer

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STATE OF GEORGIA
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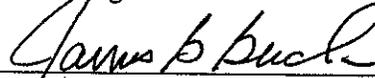
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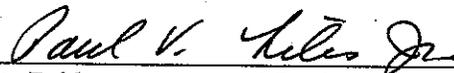
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State Bridge & Structural Design Engineer