

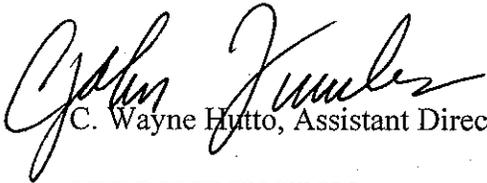
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRS LB-9075 (7) Fulton County
P.I. No. 742976

OFFICE Preconstruction

DATE November 27, 2001

FROM  C. Wayne Hutto, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your file(s) 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
Jimmy Chambers
Steve Henry

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRSLB-9075(7) Fulton County **OFFICE** Preconstruction
P.I. No. 742976

DATE October 26, 2001

FROM  C. Wayne Hutto, 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 1385/Bluffington Road over Morning Creek Tributary, east of Union City, Georgia. The existing bridge, constructed in 1966, is load limited with a sufficiency rating of 18. County Road 1385/Bluffington Road at this location is a rural two lane roadway with 11.5' travel lanes with rural shoulders. This section of CR 1385 is functionally classified as a urban minor arterial. Traffic is projected to be 3,750 VPD and 5,050 VPD in the years 2005 and 2025 respectively. The posted speed and the design speed are 45 MPH.

The construction proposes to construct a new 160' x 40' concrete bridge over Morning Creek Tributary at the existing bridge site. The approaches will consist of two, 12' lanes with 10' 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)	\$775,000	\$313,000	2003	02-12
Right-of-Way & Utilities*	Local	Local		

*LGPA sent 10-26-99 requesting Fulton County do right-of-way, utilities and detours.

Frank L. Danchetz
Page 2

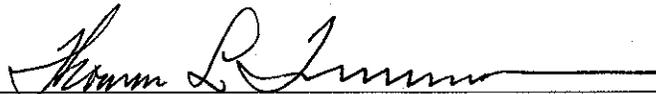
BRSRB-9075(7) Fulton
October 26, 2001

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: BRSLB-9075(7) Fulton
P.I. Number 742976-

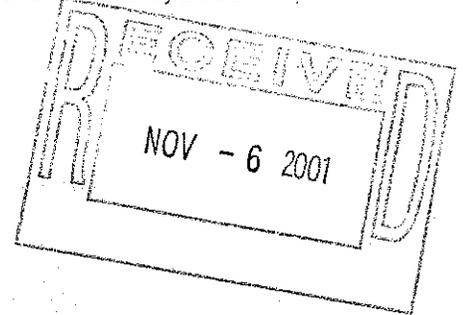
OFFICE: Engineering Services

DATE: November 5, 2001

FROM: David Mulling, ^{DTM} Project Review Engineer

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT



We have reviewed the concept report submitted October 18, 2001 by the letter from James R. Chambers dated October 17, 2001, and have no comment.

The costs for the project are:

Construction	\$671,000
Inflation	\$ 34,000
E&C	\$ 70,000
Reimbursable Utilities	\$ 10,000
Right of Way	\$ 50,000

DTM

c: Jim Chambers – Attention: Otis Clark

SCORING RESULTS AS PER MOG 2440-2

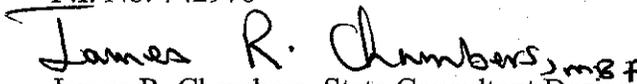
Project Number: BRSLB-9075(7)		County: FULTON		PI No.: 742976-	
Report Date: 10/17/01		Concept By: DOT Office: CONSULTANT DESIGN			
<input checked="" type="checkbox"/> CONCEPT		Consultant: J. B. TRIMBLE, INC.			
Project Type: Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input checked="" type="checkbox"/> Bridge <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%				
Judgement	100%				
Environmental	100%				
Right of Way	100%				
Utility	100%				
Constructability	100%				
Schedule	100%				

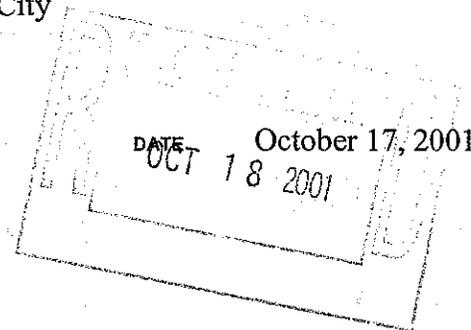
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE **BRSLB-9075(7) Fulton County**
CR 1385/Buffington Road @ Morning Creek Trib. East of Union City
P.I. No. 742976-

OFFICE Atlanta

FROM 
James R. Chambers, State Consultant Design Engineer



TO Wayne Hutto, 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 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
- Steve Henry, District Engineer – Chamblee
- Paul Liles, State Bridge & Structural Engineer

^{mba}
JRC: OC

cc: J.B. Trimble, Inc.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF CONSULTANT DESIGN**

PROJECT CONCEPT REPORT

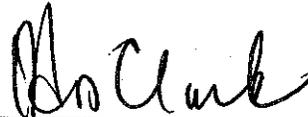
Project Number: BRSLB-9075(7)
County: Fulton
P.I. Number: 742976

Federal Route Number: N/A
State Route Number: N/A
County Route Number: 1385

Recommendation for approval:

DATE 10-17-01

DATE 10-17-01



Project Manager


State Consultant Design Engineer *mBA*

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

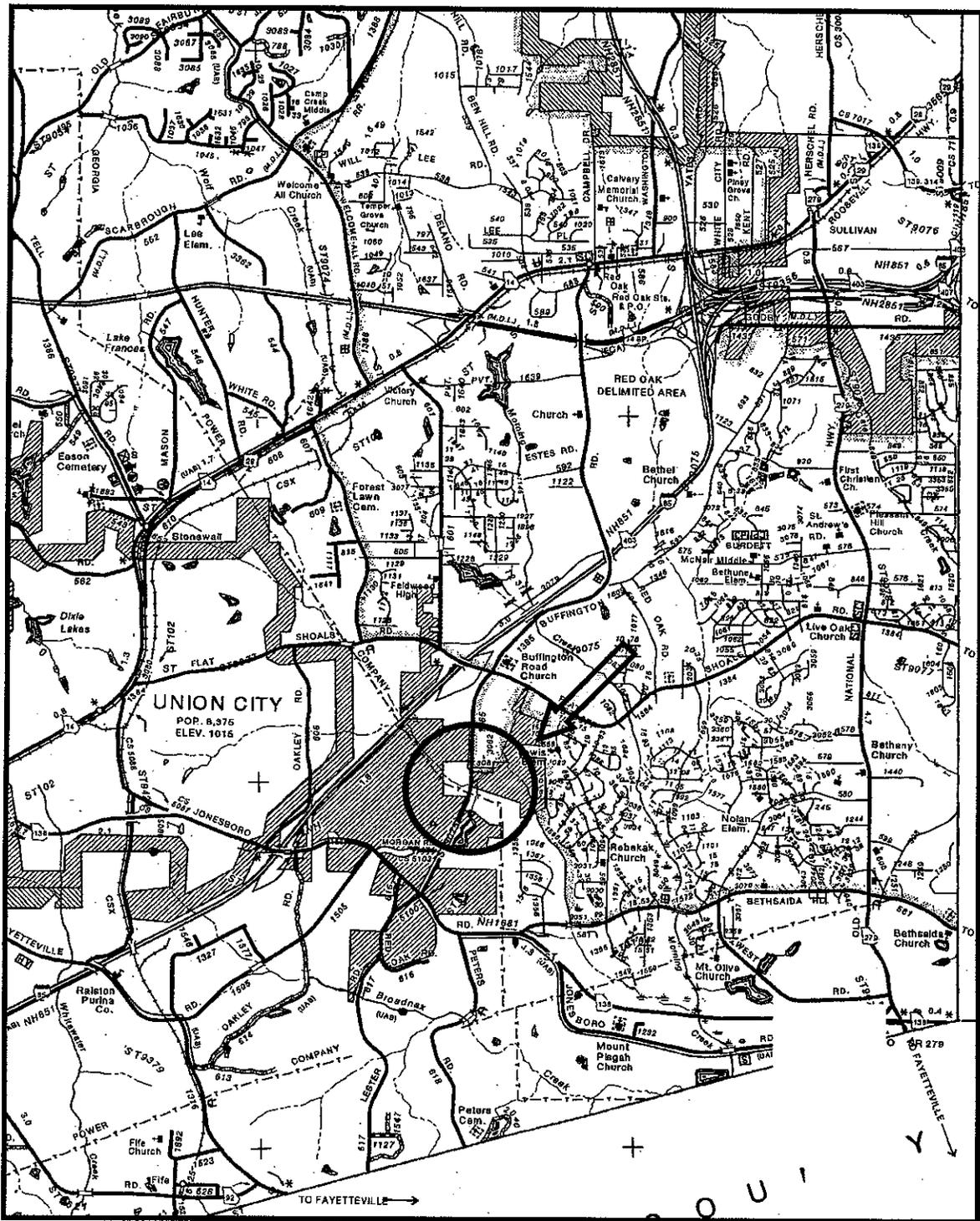
District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Engineer



Scale: 1 inch = 1 mile

Location Map

Project: BRSLB-9075(7) Fulton County PI No.: 742976-

Description: CR 1385/Buffington Road @ Morning Creek Trib. East of Union City

NEED AND PURPOSE
PROJECT BRSLB-9075 (7), FULTON COUNTY
PI No. 742976
BRIDGE REPLACEMENT

Bridge project BRSLB-9075 (7) will replace the structurally deficient bridge located on CR 1385/Bufington Road Bridge at Morning Creek. The bridge's sufficiency rating is 18.7. The sufficiency rating, a number from 0 to 100, is a method of evaluating data by calculating four separate factors to obtain a numeric value that is indicative of bridge sufficiency to remain in service. The resultant rating would range between zero, which represents an entirely insufficient or deficient bridge; and 100, which represents an entirely sufficient bridge. The Office of Bridge Maintenance has determined that any structure with a sufficiency rating less than 50 should be replaced rather than improved. This project will replace the existing bridge with a structurally adequate bridge.

CR 1385/Bufington Bridge Road is 23' wide with 4' shoulders. The bridge on CR 1385/Bufington Bridge Road over Morning Creek is 31' wide, providing insufficient shoulder width on the bridge. The substructure has exposed pile and erosion under and behind cap at abutment on the left end. The superstructure has minor cracking and spalling in panels with minor cracking on the bottom of the deck. The asphalt overlay is cracked at the joints.

This section of CR 1385/Bufington Road is functionally classified as an urban minor arterial. The posted speed limit along this section of CR 1385 is 45 mph. The bridge is located 1 mile east of Union City and was constructed in 1966. The Average Daily Traffic (ADT) along this section of roadway was 3,550 in 2000 with 2.5 percent trucks. The projected 2005 and 2025 ADT for this section of roadway is 3,750 and 5,050 respectively. Providing a wider bridge will improve access to the area.

Project Concept Report Page 3
 Project Number: BRSLB-9075(7)
 P.I. Number: 742976
 County: Fulton

DESCRIPTION OF PROPOSED PROJECT

This project is located in Fulton County over Morning Creek Tributary, 1 mile east of Union City. This project consists of replacing a structurally deficient bridge on existing location. An offsite detour will be provided to accommodate traffic during construction of the proposed bridge. The beginning and ending mile logs for this county segment are 0.72 and 0.87 respectively. The proposed project length is 0.15 miles.

Is the project located in a Non-attainment area? Yes, it is located in a Non-attainment area. This project is in the RTP (FS 142) as a bridge replacement with no additional lanes being added, 2 lanes total now, and in the future.

PDP CLASSIFICATION: Major Minor
 Full Oversight () Exempt () State Funded () Other ()

FUNCTIONAL CLASSIFICATION: Urban Minor Arterial

U.S. ROUTE NUMBER: N/A

STATE ROUTE NUMBER: N/A

TRAFFIC (AADT)

CURRENT		DESIGN	
<u>YEAR</u>	<u>AADT</u>	<u>YEAR</u>	<u>AADT</u>
2005	3750	2025	5050

Project Concept Report Page 4
 Project Number: BRSLB-9075(7)
 P.I. Number: 742976
 County: Fulton

EXISTING DESIGN FEATURES		
TYPICAL SECTION: The existing roadway is 23' wide (11.5' lanes) with 4' shoulders.		
POSTED SPEED	MAX DEGREE OF CURVATURE	MAX GRADE
45 MPH	2°58'	5.94%
WIDTH OF RIGHT OF WAY: 60'		
MAJOR STRUCTURES: Bridge I.D. 121-5201-0; CR 1385/Buffington Road @ Morning Creek Tributary, East of Union City. The existing structure has 2 spans with concrete T beams on timber pile bents.		
Length 60'	Width Roadway: 23' Deck: 24.3'	Sufficiency Rating 18.7
MAJOR INTERCHANGES OR INTERSECTIONS: N/A		
EXISTING ROADWAY SEGMENT LENGTH: 0.15 miles BEGINNING MILE LOG FOR COUNTY SEGMENT: 0.72		

PROPOSED DESIGN FEATURES				
TYPICAL SECTION: 2, 12' lanes with 10' graded shoulder with side slopes.				
MAINLINE DESIGN SPEED	MAX DEGREE OF CURVE		MAX GRADE	
45 MPH	Proposed: 2°58' Allowable: 9°00'		Proposed: 5.94% Allowable: 6.0%	
RIGHT OF WAY WIDTH: 120'				
EASEMENTS:	Temporary (X)	Permanent (X)	Utility ()	Other ()
TYPE OF ACCESS CONTROL:	Full ()	Partial ()	By Permit (X)	Other ()
NUMBER OF PARCELS IMPACTED: 5				
DISPLACEMENTS:	Businesses ()	Residences ()	Mobile Homes ()	Other ()

STRUCTURES
BRIDGES: The proposed bridge will be 160' long, and 40' wide plus the width of the barriers. The new bridge will most likely consist of 4 -40' spans. It is anticipated that concrete bents will be used in the construction of this bridge.
RETAINING WALLS: N/A

MAJOR INTERSECTIONS AND INTERCHANGES
Description: N/A

TRAFFIC CONTROL DURING CONSTRUCTION
Description: A 2.5 mile offsite detour will be provided during construction. Approximately one mile of this detour will be traveled on I-85.

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 anticipated

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

TELEPHONE: Bell South

POWER: GA Power

GAS: Southern Natural, Atlanta Gas

CABLE TV: Broadband

WATER: Fulton County and/or City of Atlanta

SEWER: Fulton County

Project Concept Report Page 7
Project Number: BRSLB-9075(7)
P.I. Number: 742976
County: Fulton

PROJECT RESPONSIBILITIES

DESIGN: Earthtech

RIGHT OF WAY ACQUISITION: Fulton County

RELOCATION OF UTILITIES: Fulton County

LETTING TO CONTRACT: Georgia Department of Transportation

SUPERVISION OF CONSTRUCTION: Georgia Department of Transportation

PROVIDING MATERIAL PITS: Contractor

PROVIDING DETOURS: Fulton County

COORDINATION

CONCEPT TEAM MEETING DATE (Minutes Attached): October 4, 2001

MEETS LOGICAL TERMINI REQUIREMENTS: Yes

P.A.R. MEETING: None anticipated

FEMA, USCG AND/OR TVA: FEMA coordination is required

PUBLIC INVOLVEMENT: Detour meeting required

LOCAL GOVERNMENT COMMENTS: LGPA requested 10-26-99; Fulton County is required to handle right of way, utilities, and the detour.

OTHER PROJECTS IN THE AREA: Buffington Road widening project by Fulton County approximately 1 mile north of this project; Flat Shoals Road widening project by Fulton County approximately 1 mile north of this project.

OTHER COORDINATION TO DATE: None

SCHEDULING - Responsible Parties' Estimate		
TIME TO COMPLETE ENVIRONMENTAL PROCESS:	6	Months
TIME TO COMPLETE PRELIMINARY CONSTRUCTION PLANS:	4	Months
TIME TO COMPLETE RIGHT OF WAY PLANS	1	Month
TIME TO COMPLETE 404 PERMIT:	4	Months
TIME TO COMPLETE FINAL CONSTRUCTION PLANS:	3	Months
TIME TO PURCHASE RIGHT-OF-WAY:	6	Months
OTHER MAJOR ITEMS THAT WILL AFFECT PROJECT SCHEDULE:	None	

OTHER ALTERNATES CONSIDERED
<p>Alternate 1 – This alternate consists of replacing the existing bridge on existing location. A detour bridge will be constructed parallel the existing bridge to handle traffic. This alternate was not chosen because of the impacts to the properties and utilities and also because of the additional cost of approximately \$370,000 for the construction and removal of the detour.</p> <p>Alternate 2 – This alternate consists of the permanent relocation of the bridge. This alternate was not chosen because of the impacts that this alternative will have on adjacent properties. Utility impacts can be greatly reduced by choosing alternate 1.</p> <p>Alternate 3 – Rehabilitation of existing bridge was not chosen because FHWA has determined that any structure with a sufficiency rating less than 50 should be replaced. The sufficiency rating for this bridge is 18.7 and therefore requires replacement.</p>

COMMENTS: Cost of project including on-site detour (alternate not chosen) = \$1,141,585.

ATTACHMENTS:

- Detailed Cost Estimate
- Sketch Location Map
- Typical Sections
- Estimated traffic assignments
- Bridge inventory data
- Concept Team meeting minutes
- Location and Design Notice
- Flexible Pavement Design

ESTIMATED COST			
CONSTRUCTION:	\$670,944	RIGHT-OF-WAY:	\$50,000
INFLATION:	\$33,547	ACQUIRED BY :	Fulton County
E & C (10):	\$70,449	UTILITIES :	\$10,000
		ADJUSTED BY :	Fulton County
TOTAL CONSTRUCTION COST:		\$774,940	
TOTAL PROJECT COST:		\$774,940	

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: BRSLB-9075(7)

COUNTY: Fulton

DATE: August 1, 2001

ESTIMATED LETTING DATE: Dec-02

PREPARED BY: BWH

PROJECT LENGTH:

0.15

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

PROJECT COST			
A. RIGHT-OF-WAY:			
1. PROPERTY (LAND & EASEMENT) 1.01 AC		\$	50000
2. DISPLACEMENTS; RES: 0, BUS: 0, M.H.: 0		\$	
3. OTHER COST (ADM./COST, INFLATION)		\$	
SUBTOTAL: A			\$ 50,000
B. REIMBURSABLE UTILITIES:			
1. RAILROAD		\$	
2. TRANSMISSION LINES		\$	
3. SERVICES		\$	10000
SUBTOTAL: B			\$ 10,000
C. CONSTRUCTION:			
1. MAJOR STRUCTURES			
a. BRIDGES			
		\$	450000
SUBTOTAL: C-1.a			\$ 450,000
b. OTHER			
		\$	-
SUBTOTAL: C-1			\$ 450,000
2. GRADING AND DRAINAGE:			
a. EARTHWORK			
Borrow	1086	CY @ \$7.5	\$ 8,145
Excavation	1837	CY @ \$7.5	13,778
SUBTOTAL: C-2a			\$ 21,923

b. DRAINAGE			
1) Side Drain Pipe	100	LF @ \$21	\$ 2,100
2) Storm drain pipe		LF @ \$44	\$ -
3) Longitudinal System (incl. catch basins)		LF @ \$0	\$ -
4) Safety End Sections	4	EA @ \$280	\$ 1,120
5) Perforated Underdrain	180	LF @ \$6	\$ 1,080
6) Temporary Pipe Slope Drain	150	LF @ \$24	\$ 3,600
SUBTOTAL: C-2.b			\$ 7,900
SUBTOTAL: C-2			\$ 29,823
3. BASE AND PAVING:			
a. AGGREGATE BASE	2465	SY @ \$10	\$ 24,650
b. ASPHALT PAVING (Mainline & Cross-Roads):			
19 mm Superpave	215	Tons @ \$43	\$ 9,245
25 mm Superpave	285	Tons @ \$37	\$ 10,545
9.5 mm Superpave	210	Tons @ \$42	\$ 8,820
SUBTOTAL: C-3.b			\$ 28,610
c. CLASS "B" CONCRETE	10	CY @ \$146	\$ 1,460
d. OTHER (Leveling, Tack Coat, Milling)			\$ 1000
e. AGGREGATE SURFACE COURSE	50	Tons @ \$19	\$ 950
SUBTOTAL: C-3			\$ 56,670

4. EROSION CONTROL				
a. SILT FENCE				
1. TYPE A	1590	LF @ \$3.5	\$	5,565
2. TYPE B		LF @ \$2.6	\$	-
3. TYPE C	320	LF @ \$5.3	\$	1,696
				\$ 7,261
b. RIP RAP	300	SF @ \$30	\$	9,000
c. PLASTIC FILTER FABRIC	300	SF @ \$5.8	\$	1,740
d. PERMANENT SOIL REINFORCING MAT	1500	SY @ \$5	\$	7,500
SUBTOTAL: C-4			\$	25,501
5. LUMP ITEMS				
a. GRASSING			\$	3200
b. CLEARING AND GRUBBING			\$	5000
c. EROSION CONTROL			\$	2500
d. TRAFFIC CONTROL			\$	8000
SUBTOTAL: C-5			\$	18,700
6. MISCELLANEOUS:				
a. LIGHTING				\$
b. SIGNING - MARKING				\$ 2000
c. GUARDRAIL				
W Beam	200	LF @ \$12	\$	2,400
T Beam	105	LF @ \$40	\$	4,200
Anchors	TYPE 12	2 @ \$1600	\$	3,200
	TYPE 1	2 @ \$450	\$	900
SUBTOTAL: C-6.c			\$	10,700
d. SIDEWALK				\$
e. MEDIAN / SIDE BARRIER				\$
f. APPROACH SLABS	195	SY @ \$90	\$	17,550
g. REMOVAL				
Bridges			\$	60000
SUBTOTAL: C-6.g			\$	60,000
h. OTHER				\$
SUBTOTAL: C-6			\$	90,250
7. SPECIAL FEATURES				
SUBTOTAL: C-7			\$	

SUMMARY	
A. RIGHT-OF-WAY	\$ 50,000
B. REIMBURSABLE UTILITIES	\$ 10,000
C. CONSTRUCTION	
1. MAJOR STRUCTURES	\$ 450,000
2. GRADING AND DRAINAGE	\$ 29,823
3. BASE AND PAVING	\$ 56,670
4. EROSION CONTROL	\$ 25,501
5. LUMP ITEMS	\$ 18,700
6. MISCELLANEOUS	\$ 90,250
7. SPECIAL FEATURES	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 670,944
INFLATION (5% PER YEAR)	\$ 33,547
NUMBER OF YEARS	1
E. & C. (10%)	\$ 70,449
TOTAL CONSTRUCTION COST	\$ 774,940
GRAND TOTAL PROJECT COST	\$ 774,940

ε

Earthtech
2110 Newmarket Parkway, Suite 205
Marietta, Georgia 30067
(770) 956-5340 Fax (770) 956-5345

CONCEPT TEAM MEETING

BRSRB-9075(7), Fulton County

P.I. No. 742976

CR 1385/Bufington Road @ Morning Creek Tributary

Earthtech Project No. : 42011

DATE: October 4, 2001

PROJECT: BRSRB-9075(7) Fulton County
P.I. No. 742976
CR 1385/Bufington Road@ Morning Creek Tributary

SUBJECT: Concept Team Meeting Minutes

ATTENDEES:	Steve Tiedemann	JB Trimble	(770) 952-1022
	Britt Hennessey	Earthtech	(770) 956-2984
	Otis Clark	GDOT (OCD)	(404) 463-6265
	Robert Crawford	GDOT	(770) 986-1050
	Jerome Jackson	GDOT	(404) 559-6657
	Ken Lancaster	GDOT	(770) 986-1114
	Mike Mancom	GDOT	(770) 986-1050
	Key Phillips	GDOT Dist. 7 Design Eng.	(770) 986-1050
	Melvin Robinson	RMJ Const. Management	(404) 893-0886
	Eleanor Smith	GDOT -Dist. 7	(770) 986-1118
	Kevin Vinson	GDOT Dist. 7 Area Engineer	(404) 559-6658
	Wade Woodard	GDOT Utilities	(770) 986-1090

Notes prepared by: Brittain Hennessey, Earthtech

A Concept Team Meeting was held on the above project on October 4, 2001 at the District 7 Office in Chamblee. Steve Tiedemann (J.B. Trimble) called the meeting to order at 9:00 AM and then presented the highlights of the project concept. The following comments/discussions were noted:

Steve Tiedemann posed the question of making this an urban project since some other projects in the area were using an urban typical section. Otis Clark noted that the 40' proposed bridge will be wide enough to handle any future widening projects, but that currently the design should reflect a rural section.

Steve Tiedemann discussed the plans for the bridge to be replaced on existing location while traffic is detoured on 2.5 miles of roadway, included a segment of Interstate 85. The detour route would be via Flat Shoals Road to I-85 to SR 138. There was no opposition to this proposal.

Otis Clark stated the Need and Purpose Statement and the bridge inventory showed two different sufficiency ratings. The need and purpose statement will be revised to state the sufficiency rating as 18.7 rather than 12.7.

Earthtech will revise the concept report to show permanent easement will be required as well as temporary easement.

Otis Clark will discuss the project let date with GDOT Programming.

Earthtech will revise the construction cost estimate to add inflation before E&C is added.

ε

Earthtech
2110 Newmarket Parkway, Suite 205
Marietta, Georgia 30067
(770) 956-5340 Fax (770) 956-5345

CONCEPT TEAM MEETING

BRSLB-9075(7), Fulton County

P.I. No. 742976

CR 1385/Bufington Road @ Morning Creek Tributary

Earthtech Project No. : 42011

Kevin Vinson does not anticipate needing a Field Engineer's trailer. However, this will be discussed further at the PFPR.

Melvin Robinson was present to represent Fulton County since this project is on County Route 1385. There was some initial confusion because several members of the concept team believed this project to be on a segment of CR 1385 currently under design as a widening project by Fulton County. However, it was determined that the active project runs from Flat Shoals Road to I-85, which is approximately ½ mile north of this project. The only other project in the area is the widening of Flat Shoals Road from I-85 and running east. Both of these projects are out of the limits of this bridge replacement.

Melvin confirmed that this portion of CR 1385 is not on the county's bike route and the typical section will not have to accommodate it.

The typical section for the road currently shows 2' of shoulder paving in addition to 12' lanes. Since this project is on a county road that does not have shoulder paving, this will be converted to a grassed shoulder.

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. BRSLB-9075(7)
P.I. No. 742976

Notice is hereby given in compliance with Georgia code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

The date of location approval is NOVEMBER 27, 2001

This project is located entirely in Fulton County on CR 1385 over Morning Creek, 1.0 mile east of Union City. The project is located within Land District 9f, Land Lot numbers 60 and 81.

This project consists of the replacement of the structurally deficient bridge on CR 1385/Bufington Road over Morning Creek. The proposed bridge structure will be built on the existing location. An offsite detour will be provided.

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

Mr. Kevin Vinson
kevin.vinson@dot.state.ga.us
940 Virginia Avenue
Hapeville, Georgia, 30354
(404) 559-6655

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 Project and P.I. Numbers as noted at the top of this notice.

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BRSLB-9075(7), Fulton County
P.I. # 742976

OFFICE Environment/ Location

DATE April 6, 2001

FROM Harvey D. Keepler, State Environment/ Location Engineer

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

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

2000 ADT = 3550
2005 ADT = 3750
2025 ADT = 5050
K = 11%
D = 60%
T = 1%
24 HOUR T. = 2.5%
S.U. = 2%
COMB. = 0.5%

If you have any questions concerning this information please
contact Abby Ebodaghe at (404) 699-4461.

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 121-5201-0

Fulton Area 7 County

SUFF. RATING: 18.7

Programming Data

201 Project No: COUNTY DESIGN
 202 Plans Available: 0
 249 Prop. Proj No: BRSLB-9075 (7)
 250 Approval Status: 0000
 251 P.I. No: 742976
 252 Contract Date: 02/01/2002
 260 Seismic No: 00000
 75 Type Work: 311
 94 Bridge Imp. Cost: \$ 96
 95 Roadway Imp. Cost: \$ 59
 96 Total Imp. Cost: \$ 180
 76 Imp. Length: 000271
 97 Imp. Year: 1990
 114 Future ADT: 008100 Year: 2019

Measurements

* 29 ADT: 005400 Year: 1999
 109 % Trucks: 4
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0030
 * 49 Structure Length: 60
 51 Br. Rdwy. Width: 23.0
 52 Deck Width: 24.3
 * 47 Tot. Horz. Cl: 23.0
 50 Curb/Sidewlk Width: 0.0/0.0
 32 Approach Rdwy Width: 020
 * 229 Shlder Width:
 Rear Lt: 4.0 Type: 8 Rt: 4.0
 Fwrd Lt: 6.0 Type: 8 Rt: 6.0
 Pvmnt Width:
 Rear: 20.5 Type: 2
 Fwrd: 20.5 Type: 2
 Intersection Rear: 0 Fwrd: 1
 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: 4.0
 Deck Thick Approach: 0.0
 246 Overlay Thickness: 3.0
 211 Tons Structural Steel: 0.0
 212 Year Last Painted: Sup: 0000 Sub: 0000

Ratings

66 Inventory Type: 2 Rating: 15
 64 Operating Type: 2 Rating: 20
 231 Calculated Loads
 H-Modified: 09 1
 HS-Modified: 15 1
 Type 3: 12 1
 Type 3s2: 22 1
 Timber: 16 1
 Piggyback: 00 0
 261 H Inventory Rating: 09
 262 H Operating Rating: 12
 67 Structural Evaluation: 2
 58 Deck Condition: 6
 59 Superstructure Condition: 6
 * 227 Collision Damage: 0
 60A Substructure Condition: 4
 60B Scour Condition: 6
 60C Underwater Condition: N
 71 Waterway Adequacy: 9
 61 Channel Protection Cond: 7
 68 Deck Geometry: 0
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 6
 62 Culvert: N

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0000.0 Year: 0000
 Flood Elev: 0000.0 Freq: 00
 Avg. Streambed Elev: 0000.0
 Drainage Area: 00000
 Area of Opening: 000000
 113 Scour Critical: 6
 216 Water Depth: 03.0 Br Height: 11.8
 222 Slope Protection: 0
 221 Spar Dikes Rear: 0 Fwrd: 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

Posting Data

70 Bridge Posting Required: 1
 41 Struct Open, Posted, Cl: K
 * 103 Temporary Structure: 0
 232 Posted Loads H-Modified: 09
 HS-Modified: 15
 Type 3: 12
 Type 3S2: 22
 Timber: 16
 Piggyback: 00
 253 Notification Date: 06/14/1995
 253 Fed Notify Date: 0000 0

* Location I.D. No: 121-09075M-000.80N
 * XReferen I.D. No: 000-000000-000.000

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 121-5201-0

Fulton Area 7 County

SUFF. RATING: 18.7

Location & Geography

* Structure I.D. No.: 121-5201-0
 * 200 Bridge Information: 91
 * 6A Feature Int.: MORNING CREEK TRIB.
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: CR01385
 * 7B Facility Carried: BUFFINGTON ROAD
 * 9 Location: 1 MILE OF UNION CITY
 * 2 DOT District: 7
 * 207 Year Photo: 1999
 * 91 Inspection Frequency: 24 Date: 02/01/1999
 * 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: 09075
 Direction: 0

* 16 Latitude: 33-34.5
 * 17 Longitude: 84-30.9

* 98 Border Bridge: 000 %Shared: 00
 * 99 ID Number: 000000000000000

* 100 Defense Highway: 0
 * 101 Parallel Structure: N
 * 102 Direction of Traffic: 2
 * 264 Road Inventory Mile Post: 000.80

* 208 Inspection Area: 09 Initials: JMC
 Location I.D. No: 121-09075M-000.80N
 XReferen I.D. No: 000-000000-000.000

Signs & Attachments

* 104 Highway System: 0
 * 26 Functional Classification: 16
 * 204 Federal Route Type: M No: 09075
 * 110 Truck Route: 0
 * 206 School Bus Route: 1
 * 217 Benchmark Elevation: 0.00
 * 218 Datum: 0
 * 19 Bypass Length: 2
 * 20 Toll: 3
 * 21 Maintenance: 02
 * 22 Owner: 02
 * 31 Design Load: 2
 * 37 Historical Significance: 5
 * 205 Congressional District: 06
 * 27 Year Constructed: 1966
 * 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: 0
 * 42 Type Service On: 1 Under: 5
 * 214 Movable Bridge: 00
 * 203 Type Bridge: C-K-O-O
 * 259 Pile Encasement: 3
 * 43 Structure Type Main: 1 01
 * 45 No. Spans Main: 002
 * 44 Structure Type Appr: 0 0
 * 46 No. Spans Appr: 0000
 * 226 Bridge Curve Horz: 0 Vert: 0
 * 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: 0.41
 * 239 Handrail: 2 2
 * 240 Median Barrier Rail: 0
 * 241 Bridge Median Height: 0 Width: 0
 * 230 Guardrail Loc Dir Rear: 0 Fwrd: 0
 * Oppo Dir Rear: 0 Fwrd: 0
 * 244 Approach Slab: 0
 * 224 Retaining Wall: 0
 * 233 Posted Speed Limit: 45
 * 236 Warning Sign: 0
 * 234 Delineator: 0
 * 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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF CONSULTANT DESIGN

PROJECT CONCEPT REPORT

Project Number: BRSLB-9075(7)

County: Fulton

P.I. Number: 742976

Federal Route Number: N/A

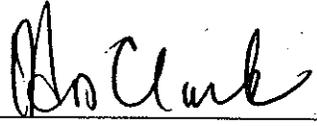
State Route Number: N/A

County Route Number: 1385

Recommendation for approval:

DATE 10-17-01

DATE 10-17-01



Project Manager

James R. Chambers, MSA
State Consultant Design Engineer

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

DATE 10/17/01

DATE

DATE

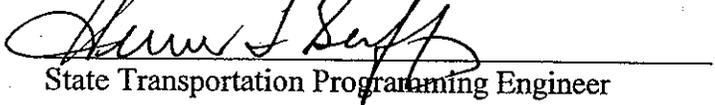
DATE

DATE

DATE

DATE

State Transportation Planning Administrator



State Transportation Programming Engineer

State Environmental / Location Engineer

State Traffic Safety & Design Engineer

District Engineer

Project Review Engineer

State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF CONSULTANT DESIGN

PROJECT CONCEPT REPORT

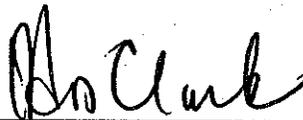
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Project Manager



State Consultant Design Engineer

MBA

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DATE 10-23-01



State Transportation Planning Administrator

DATE

State Transportation Programming Engineer

DATE

State Environmental / Location Engineer

DATE

State Traffic Safety & Design Engineer

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District Engineer

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Project Review Engineer

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State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF CONSULTANT DESIGN

PROJECT CONCEPT REPORT

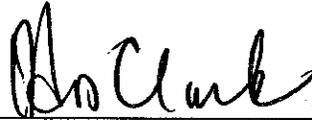
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Project Manager


State Consultant Design Engineer *MBA*

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DATE _____

State Transportation Programming Engineer

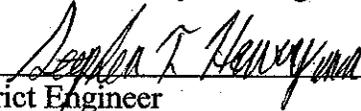
DATE _____

State Environmental / Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE 10-30-01


District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF CONSULTANT DESIGN

PROJECT CONCEPT REPORT

Project Number: BRSLB-9075(7)
County: Fulton
P.I. Number: 742976

Federal Route Number: N/A
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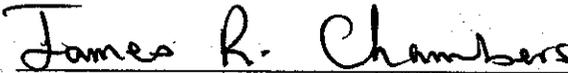
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Project Manager


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State Transportation Planning Administrator

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State Transportation Programming Engineer

DATE _____

State Environmental / Location Engineer

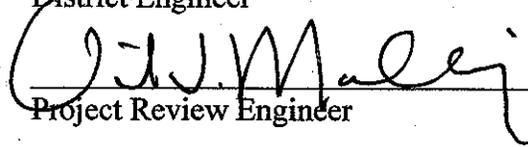
DATE _____

State Traffic Safety & Design Engineer

DATE _____

District Engineer

DATE 11/5/01


Project Review Engineer

DATE _____

State Bridge & Structural Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF CONSULTANT DESIGN**

PROJECT CONCEPT REPORT

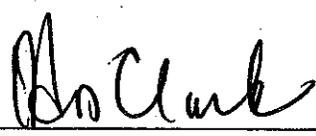
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County: Fulton
P.I. Number: 742976

Federal Route Number: N/A
State Route Number: N/A
County Route Number: 1385

Recommendation for approval:

DATE 10-17-01

DATE 10-17-01



Project Manager


State Consultant Design Engineer *mBA*

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State Transportation Planning Administrator

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State Transportation Programming Engineer

DATE _____

State Environmental / Location Engineer

DATE _____

State Traffic Safety & Design Engineer

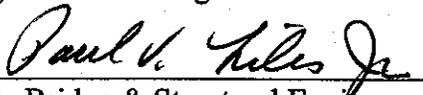
DATE _____

District Engineer

DATE _____

Project Review Engineer

DATE 11/7/01


State Bridge & Structural Engineer

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRSRB - 9075 (7) / Fulton County
P.I. No. 742976

Office: Traffic Safety & Design
Atlanta, Georgia

Date: October 23, 2001

From: *PMA* 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 replacement of the structurally deficient bridge on CR 1385/Bufington Road over Morning Creek. This project is located east of Union City.

The existing structure is 24 feet wide with a sufficiency rating of 18.7. The concept proposes to construct a new structure 40 feet wide for the two-lane roadway. The current ADT is 3750 vehicles and the design year ADT is projected to be 5050 vehicles. The proposed bridge width is in accordance with MOG 4265-09 for this type of roadway.

We believe this concept will improve safety and traffic operations within this area, therefore find this report satisfactory for approval.

PMA/bm

Attachment (signature page)

Cc: Harvey Kepler, State Environment/Location Engineer
James Chambers, State Consultant Design Engineer
Attention: Otis Clark
David Mulling, State Review Engineer, 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

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County Route Number: 1385

Recommendation for approval:

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Project Manager

James R. Chambers
State Consultant Design Engineer *mga*

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DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental / Location Engineer

10-22-01
DATE

Phillip M. Allen
State Traffic Safety & Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Engineer