

ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** BRZLB-9373(1) Fulton County **OFFICE** Preconstruction  
P. I. No. 753220 **DATE** January 12, 2001  
*CWH*  
**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 Keeper  
Jerry Hobbs  
Herman Griffin  
Michael Henry  
Marion Waters  
Marta Rosen  
Paul Liles  
Jimmy Chambers (ATTN: Ted Cashin)  
Steve Henry

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BRZLB-9373(1) Fulton County **OFFICE** Preconstruction  
P.I. No. 753220

**DATE** December 7, 2000

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

**TO** J. Tom Coleman, Jr., Commissioner

**SUBJECT** PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on CR 1324/Bethany Road over Cooper Sandy Creek, 3.0 miles north of Alpharetta, Georgia. The existing bridge, constructed in 1951, is 60' x 22.7' with a sufficiency rating of 28. The existing approaches consist of two, 10' lanes with 6' rural shoulders on 60' of existing right-of-way. This project is located within a FEMA flood study area and lies within an ARC designated bike route. Traffic is projected to be 2,000 VPD and 3,999 VPD in the years 2001 and 2021 respectively. The posted speed and the design speed are 45 MPH.

The construction proposes to construct a new 90' x 44' concrete bridge over Cooper Sandy Creek at the existing bridge site. The approaches will consist of two, 12' travel lanes with 10' shoulders, including 7' Class II bicycle lanes. The existing road will be closed and traffic detoured during construction utilizing existing roads.

Environmental concerns include requiring a COE NW-23 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)	\$493,000	\$623,000	2002	01-07
Right-of-Way & Utilities*	Local	Local		

\*Fulton County signed LGPA on 5-31-00 for PE, right-of-way, utilities, and 20% of construction costs.

J. Tom Coleman, Jr.  
Page 2

BRZLB-9373(1) Fulton  
December 7, 2000

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

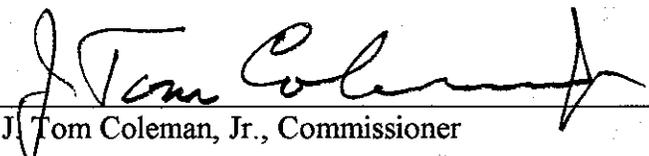
TLT:JDQ/cj

Attachment

CONCUR

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

APPROVE

  
\_\_\_\_\_  
J. Tom Coleman, Jr., Commissioner

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

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INTERDEPARTMENTAL CORRESPONDENCE

**FILE:** BRZLB-9373(1) Fulton  
P.I. Number 753220-

**OFFICE:** Atlanta, Georgia

**DATE:** November 28, 2000

**FROM:** David Mulling, Project Review Engineer *DTM*

**TO:** Wayne Hutto, Assistant Director of Pre-construction

**SUBJECT:** CONCEPT REPORT

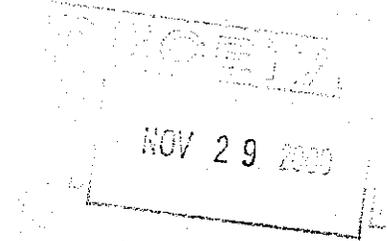
We have reviewed the concept report submitted November 14, 2000 by the letter from Stephen T. Henry dated November 9, 2000, and have no comment.

The costs for the project are:

Construction	\$407,000
Inflation	\$ 41,000
E&C	\$ 45,000
Reimbursable Utilities	\$ 0
Right of Way	\$ 14,000

DTM

c: Steve Henry -- Attention: John Weingard



DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
DISTRICT SEVEN

PROJECT CONCEPT REPORT

PROJECT NO. BRZLB-9373 (1)  
FULTON COUNTY

BETHANY ROAD OVER COOPER SANDY CREEK

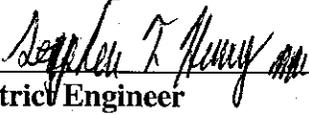
Federal Route No.: None  
State Route No.: None  
GaDOT P.I. No.: 753220  
County Route No.: 1324

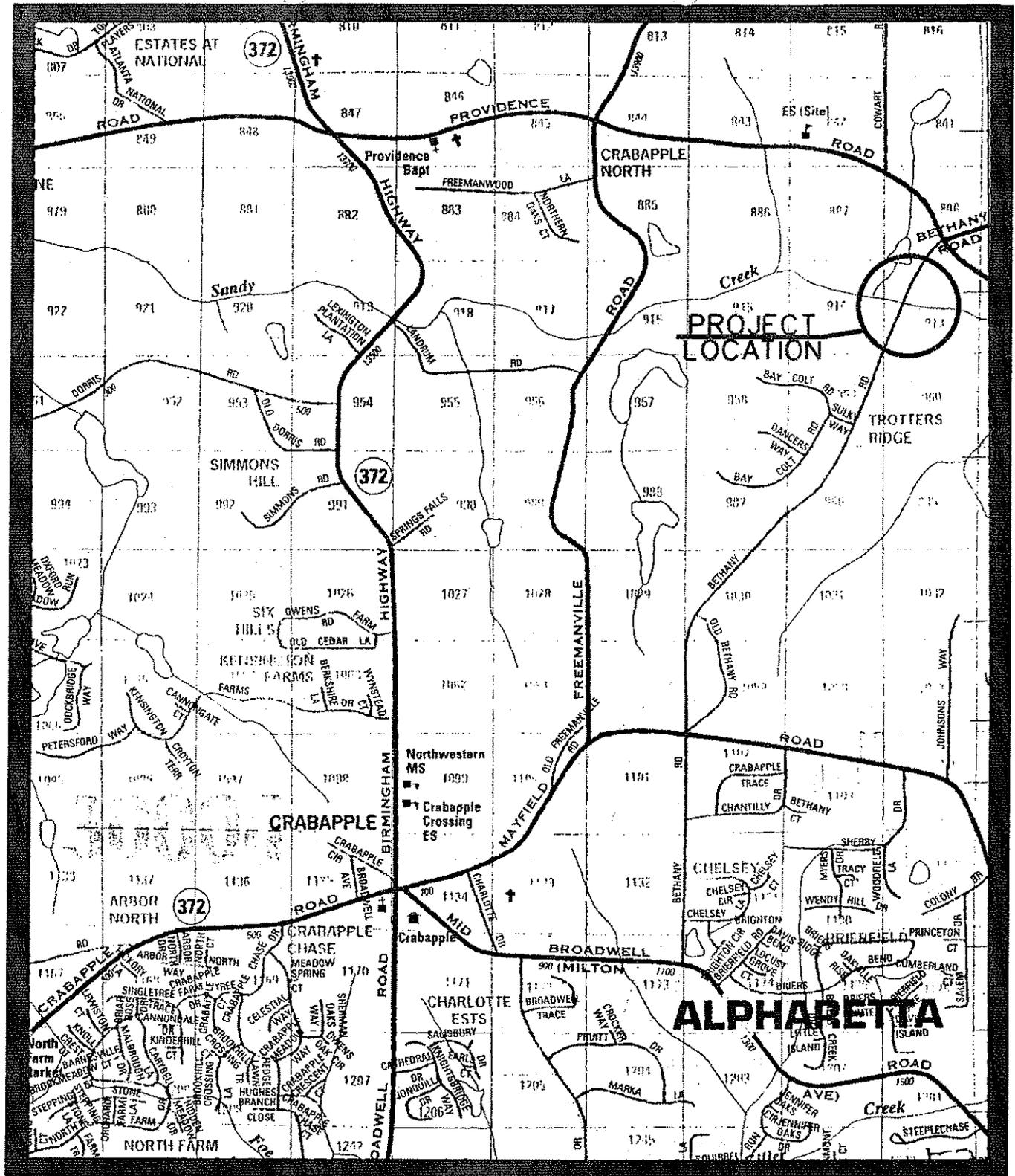
Location Map: See Page 2

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

Date of Report: November 8, 2000

RECOMMENDATION FOR APPROVAL

Date	State Bridge & Structural Engineer
Date	State Environmental/Location Engineer
Date	State Transportation Planning Administrator
<u>11-13-00</u> Date	 District Engineer
Date	Project Review Engineer
Date	State Traffic Operations Engineer



**ROSSER CIVIL ENGINEERING**  
A DIVISION OF  
ROSSER INTERNATIONAL, INC

BETHANY ROAD  
BRIDGE REPLACEMENT  
OVER COOPER SANDY CREEK

PROJECT NO.  
BRZLB-9373(1)  
P.I. NO 753220

**LOCATION MAP**

SOURCE: ADC STREET MAP OF ATLANTA METRO AREA  
9TH EDITION

**PROJECT CONCEPT REPORT**

**PROJECT NO.:** BRZLB-9373(1), Fulton County

**P.I. No.:** 753220

<b>PROJECT LOCATION &amp; DESCRIPTION</b>
Located in the Northern portion of Fulton County, on Bethany Road at its crossing of Cooper Sandy Creek, approximately two tenths of a mile south west from the intersection of Bethany Road and Providence Road, and approximately 1.3 miles north from the intersection of Bethany Road and Mayfield Road. The project consists of replacing the existing bridge over Cooper Sandy Creek with a new bridge and making the necessary adjustments to the approaches.
<b>PROJECT LENGTH:</b> 0.133 miles

<b>TRAFFIC</b>				
<b>CURRENT</b>		<b>PROJECTED</b>		
<b>YEAR</b>	<b>AADT</b>	<b>YEAR</b>	<b>AADT</b>	
2001	2000	2021	3999	

<b>PDP CLASSIFICATION</b>	<b>FUNCTIONAL CLASSIFICATION</b>
Minor	Urban Minor Arterial

<b>NON-CA</b> ( )	<b>CA</b> ( )	<b>EXEMPT</b> (X)	<b>N/A</b> ( )
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<b>PROJECT NEED &amp; PURPOSE</b>
<p>This project is located on CR 1324 / Bethany Road in Fulton County. CR 1324 / Bethany Road is an urban local street that runs from the Fulton/Forsyth county line to Mayfield Road near the Alpharetta city limits. This project is located within a FEMA flood study area and lies within an ARC designated bike route. This project consists of replacing the existing structurally deficient and functionally obsolete bridge over Cooper Sandy Creek. The existing bridge is a narrow 22.7' wide x 60' long structure that carries two lanes of traffic. The existing bridge was constructed in 1951 and is located on a designated school bus route. The bridge has a sufficiency rating of 28.5 and is currently posted with a nine-ton weight limit restriction. The existing bridge and guardrail do not meet current construction standards and are a potential safety hazard to the traveling public and to the school children who use this for their school bus route.</p> <p>This project proposes to replace the existing bridge with a new 90' long x 44' structure. The new bridge will be constructed on the existing alignment and will require existing traffic to be detoured during construction. The proposed structure will have a design load of HS-20 and will carry two 12' lanes with 10' shoulders and 1'-6" barriers. This replacement structure will be designed to result in 'No-Rise' to the existing 100-year base flood. The proposed new roadway approaches to the bridge will consist of two 12' travel lanes with 10' shoulders containing 8' paved bike lanes. The approximate total length of this project will be 0.133 miles.</p>

**PROJECT CONCEPT REPORT**

**PROJECT NO.:** BRZLB-9373(1), Fulton County

**P.I. No.:** 753220

<b>EXISTING ROADWAY</b>		
<b>TYPICAL SECTION:</b> Two 10-ft lanes with 6' rural shoulders.		<b>R/W WIDTH</b> 60 ft
<b>POSTED SPEED</b> 45 mph	<b>MIN DEGREE OF CURVE</b> 3°00'	<b>MAXIMUM GRADE</b> 4.80 %
<b>MAJOR STRUCTURES:</b>		
1. Two span bridge is approximately 60 feet, long precast concrete plank superstructure supported on concrete end abutments, and a timber pipe intermediate bent with guardrail mounted on the sides.		
2. Existing Bridge Width 22.7'		
3. Sufficiency Rating 28.5		

<b>PROPOSED ROADWAY</b>			
<b>TYPICAL SECTION:</b> Two 12-ft lanes with 7' class II bike lanes included in a 10-ft rural shoulder in both directions. The required bike lane shall comply with the current AASHTO Guide for the Development of Bicycle Facilities.			
<b>DESIGN SPEED</b> 45 mph	<b>MIN DEGREE OF CURVE</b> ALLOWABLE: 8°00' PROPOSED: 3°00'	<b>MAX GRADE</b> ALLOWABLE: 6.00 % PROPOSED: 4.80 %	
<b>MAJOR STRUCTURES:</b>			
1. The proposed bridge consists of two 12' lanes with two 7' shoulders and two 1'-6" barriers. The bridge is proposed to be 90' long with three equal spans of AASHTO Type I Modified PSC Beams with a 8" Concrete Deck.			
2.			
3.			

<b>PROPOSED RIGHT OF WAY</b>			
<b>R/W WIDTH</b> 80 ft	<b>DISPLACEMENTS</b>		
	RES: 0	BUS: 0	M.H.: 0
<b>TYPE OF ACCESS CONTROL:</b> BY COUNTY PERMIT			
<b>NUMBER OF PARCELS:</b> 4			

**PROJECT CONCEPT REPORT**

**PROJECT NO.:** BRZLB-9373 (1), Fulton County

**P.I. No.:** 753220

<b>COORDINATION</b>	
CONFORMS TO STIP/TIP: YES	
MEETS LOGICAL TERMINI REQUIREMENTS: YES	
CONCEPT TEAM MEETING DATE: MARCH 30, 2000 (MEETING MINUTES ATTACHED)	
LOCATION INSPECTION DATE: To be held	
PERMITS REQUIRED (4f, COE, 404, etc.): No-Rise Certification, COE (Nationwide) NW-23	
LEVEL OF PUBLIC INVOLVEMENT: None	
TIME SAVING PROCEDURES APPROPRIATE: Yes	
OTHER PROJECTS IN AREA:	1. New Providence Rd @ Cooper Sandy Creek – Bridge Replacement 2. Birmingham Rd @ Chicken Creek Trib. – Bridge Replacement. 3. Cogburn Rd @ Cooper Sandy Creek – Bridge Replacement. 4. Cogburn Rd @ Chicken Creek Tributary – Bridge Replacement.

<b>MISCELLANEOUS</b>	
TRAFFIC CONTROL DURING CONSTRUCTION: CLOSE ROAD AND DETOUR TRAFFIC ON EXISTING ROADS	
LEVEL OF ENVIRONMENTAL ANALYSIS: Categorical Exclusion	
DESIGN VARIATIONS REQUIRED: None	

<b>DESIGN EXCEPTIONS</b>			
CONTROLLING CRITERIA	YES	NO	UNDETERMINED
SUBST HORIZONTAL ALIGNMENT	( )	( X )	( )
SUBST ROADWAY WIDTH	( )	( X )	( )
SUBST SHOULDER WIDTH	( )	( X )	( )
SUBST VERT GRADES	( )	( X )	( )
SUBST CROSS SLOPES	( )	( X )	( )
SUBST STOPPING SIGHT DISTANCE	( )	( X )	( )
SUBST SUPERELEV RATES	( )	( X )	( )
SUBST HORIZ CLEARANCE	( )	( X )	( )
SUBST SPEED DESIGN	( )	( X )	( )
SUBST VERTICAL CLEARANCE	( )	( X )	( )
SUBST BRIDGE WIDTH	( )	( X )	( )
SUBST BR STUCT CAPACITY	( )	( X )	( )

UNDERGROUND STORAGE TANKS:	None
HAZARDOUS SITES:	None

# PROJECT CONCEPT REPORT

PROJECT NO.: BRZLB-9373 (1), Fulton County

P.I. No.: 753220

ALTERNATIVES CONSIDERED	
1. No Build	
2. Box Culvert	

ESTIMATED COST			
CONSTRUCTION:	\$407,000	RIGHT-OF-WAY:	\$14,207
E & C (10):	\$40,700	ACQUIRED BY:	Locals
INFLATION:	\$44,770	UTILITIES:	LGPA
		ADJUSTED BY:	
TOTAL CONSTRUCTION COST:		\$506,677	

### COMMENTS:

1. This project must be constructed prior to the construction of the New Providence Bridge Project because it is load limited. The existing bridge has a sufficiency rating which requires a minimum traffic volume and should not be used until the rating is improved. Project staging must also be coordinated with the New Providence Bridge Project because that project is being used as a detour.
2. The no build alternate was not chosen because the existing bridge has inadequate shoulders and does not meet current construction standards.
3. A box culvert large enough to handle the stream flow with "no-rise" in the 100-year flood elevation would result in adverse impacts to the existing stream and banks.

SCHEDULING CONSIDERATIONS	
TIME TO COMPLETE ENVIRONMENTAL	<u>2</u> MONTHS
TIME TO COMPLETE PRELIMINARY RD/RW PLANS:	<u>1</u> MONTHS
TIME TO COMPLETE 404 PERMIT:	<u>3</u> MONTHS
TIME TO COMPLETE FINAL CONSTRUCTION PLANS:	<u>2</u> MONTHS
TIME TO BUY RIGHTS-OF-WAY:	<u>4</u> MONTHS

ATTACHMENTS: Cost Estimate, Location & Design Approval, Typical Sections, Detour Map, Concept Team Meeting Minutes, and Bridge Inventory Sheet.

# PRELIMINARY COST ESTIMATE

GaDOT P.I. NUMBER: 753220

DATE: August 17, 1999

PROJECT NUMBER: BRZLB-9373 (1), Fulton County

PREPARED BY: A. Schorstein

PROJECT LENGTH: 0.133 miles

( ) PROGRAMMING PROCESS      (X) CONCEPT      ( ) PROJECT DEVELOP.

## PROJECT COST

**A. RIGHT-OF-WAY**

**1. PROPERTY**

a) Construction Easement	(33734 SF x \$0.35 per SF)	\$ 11,807
2. DISPLACEMENTS	RES: 0, BUS: 0, M.H.: 0	\$ 0
3. OTHER COSTS		\$ 2,400

**TOTAL**      \$ 14,207

**B. REIMBURSABLE UTILITIES**

1. RAILROAD	\$ 0
2. TRANSMISSION LINE	\$ 0
3. SERVICES	\$ 0

**TOTAL**      \$ 0

**C. CONSTRUCTION**

**1. MAJOR STRUCTURES**

a) WALLS		\$ 0
b) BRIDGE STREAM CROSSING	(90' x 41.25') @ \$55/SF	\$ 204,187
c) BRIDGE OVER/UNDERPASS		\$ 0
*d) BOX CULVERTS (ALTERNATE)		\$ 126,000

**SUBTOTAL**      \$ 204,187

**2. GRADING AND DRAINAGE**

a) EARTHWORK		
1) In Place Embankment Soil	1,386 CY @ 6.28/CY	\$ 8,705
b) DRAINAGE		
1) Cross Drain Pipe		\$ 0
2) Curb and Gutter		\$ 0
3) Longitudinal System, including Catch Basins		\$ 0

**SUBTOTAL**      \$ 8,705

**3. BASE AND PAVING**

a) AGGREGATE BASE	5,175 SY	\$ 43,830
b) ASPHALTIC PAVING		
1) Surface	442 TN	\$ 14,215
2) Binder	590 TN	\$ 19,030
3) Base	1,180 TN	\$ 37,865
c) CONCRETE PAVING		
1) Driveways	48 SY	\$ 1,360
d) OTHER PAVING	10 TN	\$ 360

**SUBTOTAL**      \$ 117,000

**PROJECT COST (continued)**

<b>4. LUMP SUM ITEMS</b>		
a) TRAFFIC CONTROL	\$	25,000
b) CLEARING AND GRUBBING	\$	6,000
c) LANDSCAPING	\$	5,000
d) EROSION CONTROL	\$	17,500
e) DETOURS, INCL TEMP BRIDGES	\$	0
	<b>SUBTOTAL</b>	<b>\$ 53,500</b>
<b>5. MISCELLANEOUS</b>		
a) SIGNING/STRIPING/SIGNAL	\$	500
b) GUARDRAIL		
720 LF @ \$24/lf, 3-TP 12 ANCH @ \$1630/ea, 2-TP 1 ANCH @ \$430/ea	\$	23,030
c) SIDEWALK	\$	0
	<b>SUBTOTAL</b>	<b>\$ 23,530</b>
<b>6. SPECIAL FEATURES</b>	\$	0
	<b>SUBTOTAL</b>	<b>\$ 0</b>

**ESTIMATED SUMMARY**

<b>A. RIGHT-OF-WAY.</b> . . . . .	\$	14,207
<b>B. REIMBURSABLE UTILITIES.</b> . . . . .	\$	
<b>C. CONSTRUCTION:</b>		
<b>1. MAJOR STRUCTURES.</b> . . . . .	\$	204,187
<b>2. GRADING AND DRAINAGE.</b> . . . . .	\$	8,705
<b>3. BASE AND PAVING.</b> . . . . .	\$	117,000
<b>4. LUMP SUM ITEMS.</b> . . . . .	\$	53,500
<b>5. MISCELLANEOUS.</b> . . . . .	\$	23,530
<b>6. SPECIAL FEATURES.</b> . . . . .	\$	0
	<b>SUBTOTAL CONSTRUCTION COST.</b> . . . . .	<b>\$ 407,000</b>
	<b>INFLATION - 5%/YR x 2 YR.</b> . . . . .	<b>\$ 44,770</b>
	<b>E. &amp; C. (10%).</b> . . . . .	<b>\$40,700</b>
	<b>TOTAL CONSTRUCTION COST.</b> . . . . .	<b>\$ 492,470</b>
<b>PROJECT GRAND TOTAL.</b> . . . . .	<b>\$</b>	<b>506,677</b>
<b>*PROJECT GRAND TOTAL (ALTERNATE).</b> . . . . .	<b>\$</b>	<b>428,490</b>

**Notice of Location and Design Approval**

**BRZLB-9373(1)**

**PI # 753220**

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

This project is a proposed bridge replacement of the existing bridge over Cooper Sandy Creek. The proposed construction and the adjacent properties are located in unincorporated Fulton County, Land Lots 913 and 914 of the 2nd District of the 2nd Section.

Date of Location and Design Approval: 12 - JANUARY - 2001

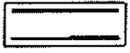
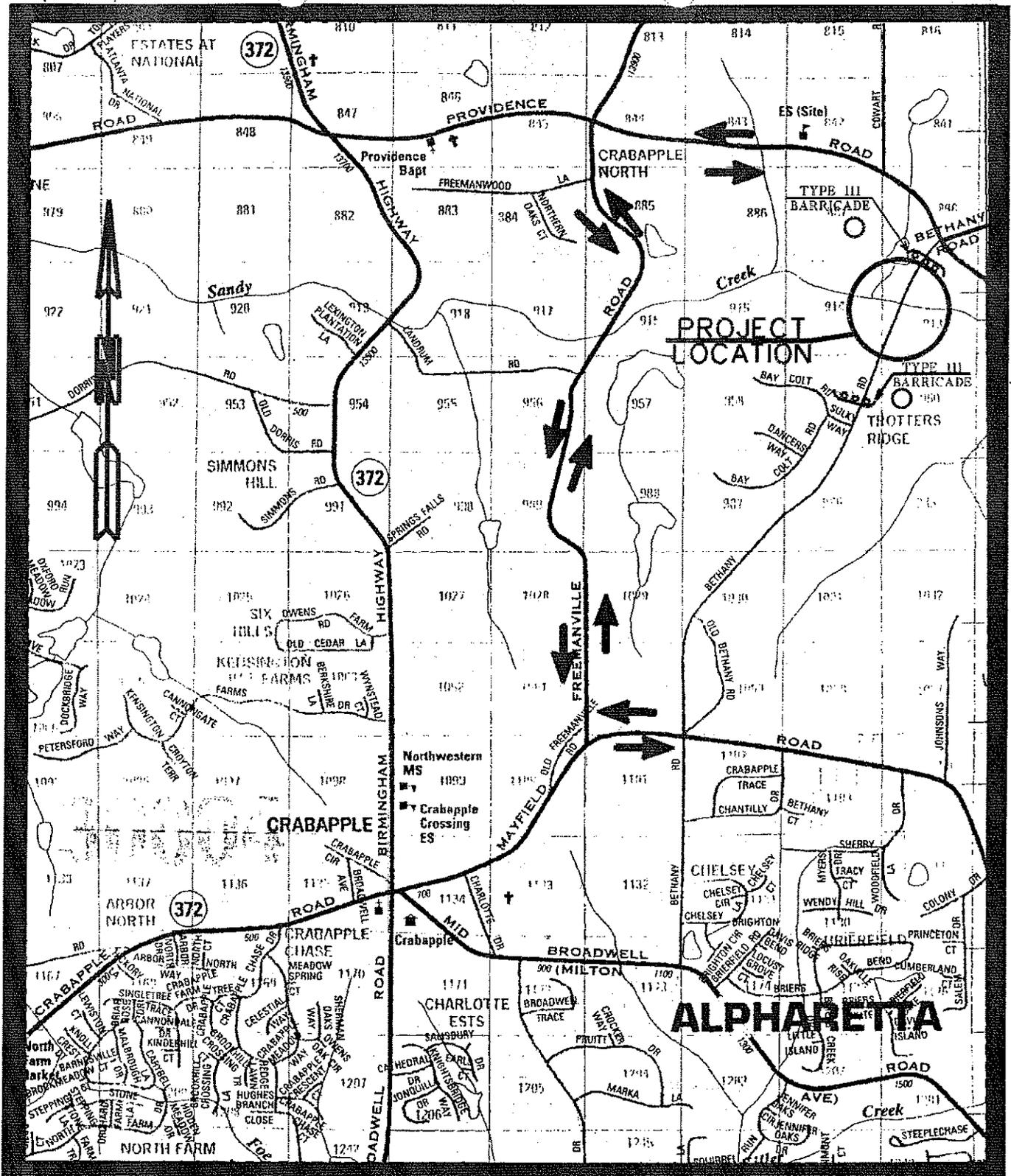
The proposed construction of the new bridge will be 90' in length and 41' in width. This will consist of two through lanes with barriers and sidewalk on both sides. The approaches from both directions will be two 12' lanes with 10' rural shoulders which will incorporate a 7' bike lane.

Drawings or maps or plats of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation (5025 New Peachtree Rd, Chamblee, GA 30341). Or, any interested party may obtain a copy of the drawings or maps or plats by writing to the Georgia Department of Transportation, No.2 Capitol Square, Atlanta, Georgia 30334 and paying a nominal cost therefore.

Any written request to this notice SHOULD include the PROJECT AND PI NUMBERS AS NOTED AT THE TOP OF THIS NOTICE AND may be referred to:

Stephen T. Henry  
Georgia Department of Transportation  
District 7  
5025 New Peachtree Road, Chamblee, GA 30341  
(770) 986-1050





**ROSSER CIVIL ENGINEERING**  
A DIVISION OF  
ROSSER INTERNATIONAL, INC

BETHANY ROAD  
BRIDGE REPLACEMENT  
OVER COOPER SANDY CREEK  
PROJECT NO.  
BRZLB-9373(1)  
P.I. NO 753220

TRAFFIC DETOUR MAP  
SOURCE: ADC STREET MAP OF ATLANTA METRO AREA  
9TH EDITION

**CONCEPT TEAM MEETING MINUTES**

**MEETING DATE:** 9:00 a.m., March 30, 2000  
**MEETING LOCATION:** Georgia Department of Transportation (GDOT)  
District 7 Office in Chamblee, GA  
**PROJECT:** Bethany Road Bridge Replacement  
**ATTENDEES:** Key Phillips, GDOT Dist. 7 Preconstruction  
John Weingard, GDOT Dist. 7 Preconstruction  
Jonathan Cox, GDOT Environmental/Location  
Darby Beach, GDOT Environmental/Location  
Clyde Cunningham, GDOT Utilities  
Kalanos V. Johnson, Fulton County  
Carla McClendon, Fulton County  
Douglas Smith, RMJ Construction Managers  
Robert Lindsey, RMJ Construction Managers  
Paul Butler, P.E., Rosser Civil Engineering

**Project Description:** 700' Bridge and Roadway Replacement Along  
Bethany Road @ Cooper Sandy Creek

**Discussions:**

**GDOT General Remarks:**

1. Mr. John Weingard will coordinate for GDOT
2. Since Bethany Road is a load limited project, it should be constructed prior to construction of New Providence Bridge Project.
3. Report indicates using New Providence Road as a detour. Since New Providence Road also has a Bridge Replacement project, project staging must be coordinated.
4. The New Providence Project should also be added to the "List of other Projects in Area" section, located on page 5.
5. A Detour Map should also be included.
6. Right-of-Way (R.O.W.) and Programming Departments were not in attendance.
7. Existing water and gas utilities are along the bridge.
8. All references of CONSPAN or Triple Sided Culverts should be removed from report.
9. Alternates should specify bridge or culvert.
10. Plans show little impact on area wetlands, but may require mitigation.
11. Location indicate possible beaver dams.
12. Although beavers are not an endangered list, project must protect habitat.
13. A side channel may also be an issue due to new small channel regulations.

## Concept Team Meeting Minutes (Continued)

14. GDOT Environmental will coordinate with Rosser Environmental, Mr. Eric Martin.
15. No Public Meeting is planned, but consultant will provide local residence with a Notice of Construction Letter.
16. GDOT provided Rosser with existing Bridge Data Sheet.

### Cover Page

1. Need to include County Route #1324
2. Programming Administrator should be removed.

### Page 2

1. Location sketch was not provided.
2. GDOT provided location maps for GDOT personnel.

### Page 3

1. Change traffic projection years to 2001 – 2021.
2. Remove the word existing from PDP Classification.
3. Change Functional Classification from Rural to Urban Minor Arterial.
4. Attendees questioned the classification, from GDOT Road inventory. Rosser will call John Weingard to verify classification.
5. GDOT provided existing Bridge Data Sheet.

### Page 4

1. Need to indicate shoulder width and existing bridge information.
2. Bridge has 28.5 sufficiency rating.
3. GDOT questions the existing 8.3% roadway grade and requires a design exception if grades exceed allowable 6.0% grade.
4. Grade requirements may extend project limits.
5. Extend proposed R.O.W. from 60 feet to 80 feet at bridge.
6. Change type of access control from "none" to "By County Permit".

### Page 5

1. Need to add March 30, 2000 (Meeting Minutes attached) as concept Team Meeting Date.
2. The preliminary field plan review (PFPR) will be held after concept report approval and environmental acceptance.
3. The No Rise, Corps of Engineers (COE), and Nationwide 23 Permits are required.
4. There is no public involvement.
5. The County will hold a public information meeting, but GDOT does not require one.
6. The New Providence Road Bridge project should be included as other projects in area.

## Concept Team Meeting Minutes (Continued)

7. The Level of Environmental Analysis is Categorical Exclusion.
8. Either Change Design Variations to Design Exceptions, or separate lists. The list provided are design exceptions.
9. Add two (2) items to coordination section. Include conforms to STIP/TIP: and meets Logical Termini requirements:
10. Add a section to report to add scheduling considerations.
11. GDOT provided Consultant with example of Concept Report.

### Page 6

1. Remove all reference to Con Span use.
2. Only use Bridge or culvert size.
3. GDOT indicates \$802,000 programmed for this project. GDOT is providing 80%.
4. LGPA has been requested by GDOT, but has not been signed by Fulton County. Kalanos Johnson will investigate status.
5. GDOT accepts cost estimate.
6. GDOT (utilities) indicates no reimbursable on cost estimate and appears valid.
7. Include coordination with New Providence Road Project in comments section.

### Page 7

1. The Letting Date needs to be removed.

### General Discussion:

1. Add to the attachments; Typical Section, Detour Map, Location and Design Approval, and Concept Team Meeting Minutes. Key Phillips will provide Rosser with Location and Design Approval form.
2. The typical section should include clear zone requirements.
3. A cost estimate for culvert should also be provided.
4. Project will not need to be advertised in the paper.
5. RMJ expressed desire to expedite the plans and requested a field trip in next couple of weeks. The informal field trip will be scheduled after concept report approval.
6. Vertical and Horizontal Alignment concerns need to be addressed prior to PFPR.
7. GDOT Utilities provided a list of utilities in the project area.

### Important Notice

1. RMJ Construction Managers discovered after this meeting that this project also requires a bicycle lane.

Concept Team Meeting Minutes (Continued)

If there are any questions, comments, or revisions call me at (404) 876-3800, ext. 7171.

Sincerely,



Paul Butler, P.E.  
Rosser Civil Engineering  
Transportation Director

cc: Key Phillips, GDOT (District 7)  
John Weingard, GDOT (District 7)  
Darby Beach, GDOT (Environmental/Location)  
Clyde Cunningham, GDOT (Utilities)  
Kalanos Johnson, Fulton County  
Doug Smith, RMJ Construction Managers  
Robert Lindsey, RMJ  
Ernest Slaughter, P.E., Pounds Harris MHR  
Files

8-NOV-2000

1---- 1: LOCATION AND GEOMETRIC DATA

BRIDGE IN FULTON COUNTY  
 ----- FACILITY CARRIED -----  
 BETHANY ROAD  
 ----- LOCATION -----  
 3.0 MI N OF ALPHARETTA  
 ----- FEATURES INTERSECTED -----  
 COOPER SANDY CREEK

SERIAL NUMBER : 0281-0  
 YEAR CONSTRUCTED : 1951  
 YEAR RECONSTRUCTED: None  
 DATE INSEPECTED : February 1999  
 DESIGN LOAD : Other or Unknown  
 NATIONAL TRUCK RTE: OFF NETWORK  
 SCHOOL BUS ROUTE : YES

TYPE SERVICE ON : Highway  
 TYPE SERVICE UNDER: Waterway.  
 STRUCTURE : Concrete Slab  
 SURFACE : Bituminous.  
 DECK : Concrete  
 MAIN SUPPORT: Concrete  
 SUBSTRUCTURE: Timber; Concrete  
 FOUNDATION : Timber pile.

---- 2: SIGNS AND ATTACHMENT DATA

GUARDRAIL REAR : None.  
 GUARDRAIL FORWARD : None.  
 GUARDRAIL REAR OPP DIR: None.  
 GUARDRAIL FOR. OPP DIR: None.

---- 3: PROGRAMMING DATA

CONTRACT DATE : 02/01/02  
 RANKING NUMBER : 0 Priority rating  
 TOTAL PROJECT COST: \$439,000 (1990 IMPROVEMENT COST ESTIMATE)  
 LAST PROJECT # : COUNTY DESIGN  
 PROPOSED PROJECT #: BRSLB-9373 (1)  
 PROPOSED WORK : Replace; substandard load capacity or geometry.  
 RECONSTRCT. STATUS: Not eligible for Federal Bridge Replacement Funds.

---- 4: HYDRAULIC DATA

SCOUR CRITICAL: Scour calculations not yet made

---- 5: MEASUREMENT DATA

NUMBER OF LANES ON: 2 UNDER: 0  
 STRUCTURE LENGTH : 60 FT BRIDGE ROADWAY WIDTH: 22.7 FT  
 CLEARANCE (FT-IN) : OVER: 99-99 UNDER: 00-00 HORIZONTAL: 22.7 FT  
 SIDEWALK OR CURB : None found.  
 BRIDGE RAILING : Does not meet current or construction date standards.  
 APPROACH GUARDRAIL: Safety feature required; none provided.

---- 6: RATING DATA

INVENTORY : Indefinite safe use HS loading of 16 tons.  
 OPERATING : 30 to 39.9% below legal load limit.  
 SUFFICIENCY : 28.3  
 STRUCTURE : Minimum tolerable limits to be left in place as is.  
 DECK : SATISFACTORY, structural elements show minor deterioration.  
 MAIN SUPPORT: SATISFACTORY, structural elements show minor deterioration.  
 SUBSTRUCTURE: POOR, advanced section loss, deterioration, spalling, scour.  
 SCOUR : TRIVIAL - small and almost unnoticable scoure.  
 CHANNEL PROT: Banks slump, widespread minor damage.

---- 7: POSTING DATA

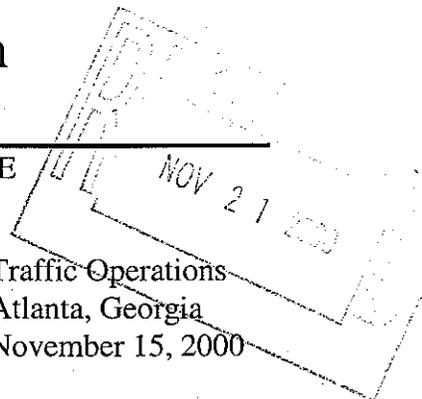
STRUCTURE POSTED : Posted for load.  
 TEMPORARY POSTING: No temporary conditions exist.  
 ACTUAL POSTINGS : [H: 10 TONS] [TRI: NP TONS] [3S2: 25 TONS]

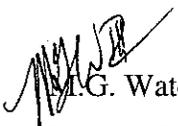
Department of Transportation  
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRZLB-9373(1)/Fulton County  
P.I. No. 753220

Office: Traffic Operations  
Atlanta, Georgia  
Date: November 15, 2000



From:  M.G. Waters, III, P.E., State Traffic Operations Engineer  
To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review

We have reviewed the concept report on the above project for the replacement of a functionally obsolete and structurally deficient bridge on Bethany Road (CR 1324) over Cooper Sandy Creek, located in north Fulton County.

Bethany Road is a rural two lane bi-directional roadway consisting of 10 foot lanes, 6 foot shoulders and a posted speed limit of 45mph. The existing bridge is 22.7 feet wide and has a sufficiency rating of 28.5. This facility is also a school bus route.

This project will replace the existing bridge with a structure 44 feet in width consisting of two 12 foot travel lanes with 10 foot shoulders, including 7 foot Class II bicycle lanes. This roadway is located within an ARC designated bicycle route. The existing road will be closed and traffic detoured during construction, utilizing existing roads.

We believe this concept will improve safety and traffic operations along this section of roadway.

We therefore find this report satisfactory for approval.

MGW:TWS

Attachment (signature page)

c: Harvey Keepler  
Stephen T. Henry, District Engineer, Chamblee  
Attention: John Weingard  
David Mulling, w/ attachment  
Marta Rosen  
Chuck Hasty, TMC  
General Files

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
DISTRICT SEVEN

PROJECT CONCEPT REPORT

PROJECT NO. BRZLB-9373 (1)  
FULTON COUNTY

BETHANY ROAD OVER COOPER SANDY CREEK

Federal Route No.: None  
State Route No.: None  
GaDOT P.I. No.: 753220  
County Route No.: 1324

Location Map: See Page 2

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

Date of Report: November 8, 2000

RECOMMENDATION FOR APPROVAL

Date \_\_\_\_\_ State Bridge & Structural Engineer

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

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

11-13-00

Date \_\_\_\_\_ District Engineer

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

Date \_\_\_\_\_ State Traffic Operations Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
DISTRICT SEVEN

PROJECT CONCEPT REPORT

PROJECT NO. BRZLB-9373 (1)  
FULTON COUNTY

BETHANY ROAD OVER COOPER SANDY CREEK

Federal Route No.: None  
State Route No.: None  
GaDOT P.I. No.: 753220  
County Route No.: 1324

Location Map: See Page 2

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

Date of Report: November 8, 2000

RECOMMENDATION FOR APPROVAL

11/23/00  
Date

*Paul V. Telle Jr.*

State Bridge & Structural Engineer

Date

State Environmental/Location Engineer

Date

State Transportation Planning Administrator

11-13-00  
Date

*Stephen T. Henry III*

District Engineer

Date

Project Review Engineer

Date

State Traffic Operations Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
DISTRICT SEVEN

PROJECT CONCEPT REPORT

PROJECT NO. BRZLB-9373 (1)  
FULTON COUNTY

BETHANY ROAD OVER COOPER SANDY CREEK

Federal Route No.: None  
State Route No.: None  
GaDOT P.I. No.: 753220  
County Route No.: 1324

Location Map: See Page 2

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

Date of Report: November 8, 2000

**RECOMMENDATION FOR APPROVAL**

Date \_\_\_\_\_ State Bridge & Structural Engineer \_\_\_\_\_

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

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

11-13-00 \_\_\_\_\_  
Date \_\_\_\_\_ District Engineer

11/28/00 \_\_\_\_\_  
Date \_\_\_\_\_ Project Review Engineer

Date \_\_\_\_\_ State Traffic Operations Engineer \_\_\_\_\_

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
DISTRICT SEVEN

PROJECT CONCEPT REPORT

PROJECT NO. BRZLB-9373 (1)  
FULTON COUNTY

BETHANY ROAD OVER COOPER SANDY CREEK

Federal Route No.: None  
State Route No.: None  
GaDOT P.I. No.: 753220  
County Route No.: 1324

Location Map: See Page 2

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

Date of Report: November 8, 2000

RECOMMENDATION FOR APPROVAL

Date \_\_\_\_\_ State Bridge & Structural Engineer

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

11/28/00 \_\_\_\_\_  
Date State Transportation Planning Administrator

11-13-00 \_\_\_\_\_  
Date District Engineer

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

Date \_\_\_\_\_ State Traffic Operations Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
DISTRICT SEVEN

PROJECT CONCEPT REPORT

PROJECT NO. BRZLB-9373 (1)  
FULTON COUNTY

BETHANY ROAD OVER COOPER SANDY CREEK

Federal Route No.: None  
State Route No.: None  
GaDOT P.I. No.: 753220  
County Route No.: 1324

Location Map: See Page 2

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

Date of Report: November 8, 2000

RECOMMENDATION FOR APPROVAL

Date

State Bridge & Structural Engineer

12/7

Date

State Environmental/Location Engineer

Date

State Transportation Planning Administrator

11-13-00

Date

District Engineer

Date

Project Review Engineer

Date

State Traffic Operations Engineer