

ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRZLB-121(20) Fulton County **OFFICE** Preconstruction
P.I. No. 771273
DATE April 2, 2001
CWHutto
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
Marion Waters
Marta Rosen
Paul Liles
Jimmy Chambers (ATTN: Ted Cashin)
Steve Henry

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRZLB-121(20) Fulton County **OFFICE** Preconstruction
P.I. No. 771273 **DATE** March 20, 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 project is the replacement of a structurally deficient bridge on Johnson Road over Peeks Creek, 1.0 mile east of Palmetto, Georgia. The existing bridge, constructed in 1956, consists of a concrete bridge deck, concrete main support, timer and concrete substructure and timber pile foundation, with a sufficiency rating of 22. The existing approaches consist of two, 10' (3.0m) lanes with rural shoulders on 60' (18m) of existing right-of-way. This section of Johnson Road is functionally classified as a rural local street and is a future designated school bus route. Traffic is projected to be 745 VPD and 1,311 VPD in the years 2002 and 2022 respectively. The posted speed and the design speed are 35 MPH (60km/h).

The construction proposes to construct a new double 10' x 8' (3.0m x 2.4m) concrete bridge culvert over Peeks Creek at the existing bridge site. The travel lanes will consist of two, 12' (3.6m) lanes with 10' (3.0m) shoulders on a minimum of 80' (24.0m) right-of-way. The existing road will be closed and traffic detoured during construction utilizing existing roads.

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)	\$352,000	\$352,000	2002	02-03
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.

NOTE: Fulton County began preliminary design and surveys in "metric" with completed plans prior to concept approval.

Frank L. Danchetz

Page 2

BRZLB-121(20) Fulton

March 20, 2001

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

CWH:JDQ/cj

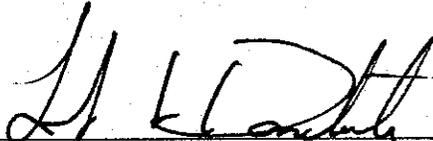
Attachment

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: BRZLB-121(20) Fulton
P.I. Number 771273-

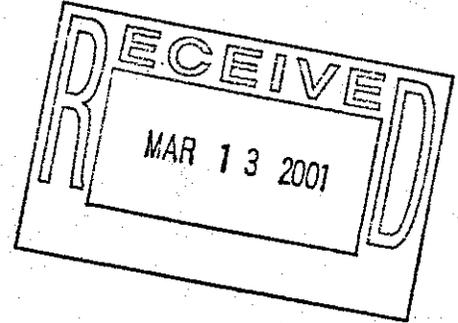
OFFICE: Engineering Services

DATE: March 12, 2001

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 March 12, 2001 by the letter from Stephen T. Henry dated March 9, 2001, and have the following comment:

1. Estimated costs for reimbursable utilities and right of way were not provided.

The costs for the project are:

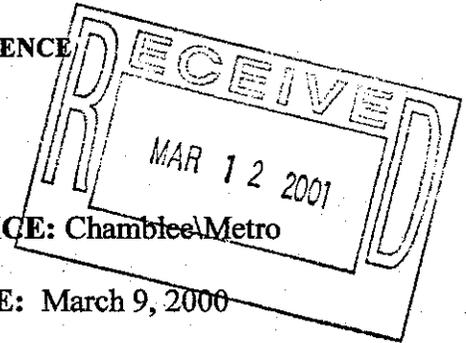
Construction	\$290,000
Inflation	\$ 29,000
E&C	\$ 32,000
Reimbursable Utilities	\$?
Right of Way	\$?

DTM

c: Steve Henry

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

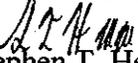
INTERDEPARTMENTAL CORRESPONDENCE



FILE: BRZLB-121(20), Fulton County
Johnson Rd @ Peeks Creek
P.I. # 771273

OFFICE: Chamblee Metro

DATE: March 9, 2000

FROM:  Stephen T. Henry, District 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 PDP.

If you have any questions in regards to this concept, please contact John Weingard at (770) 986-1050.

STHJKPj/w

cc: Marta Rosen
David Mulling
Harvey Keepler
Paul Liles
Marion Waters
File

PROJECT CONCEPT REPORT
PROJECT NUMBER BRZLB-121(20)

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

FULTON COUNTY

JOHNSON ROAD OVER PEEKS CREEK BRIDGE REPLACEMENT

Project No.: BRZLB-121(20)

P.I. No.: 771273

U.S. Route No.: N/A

State Route No.: N/A

Location Map: See Page 2

Date of Report: March 8, 2001

This project is contained in the Regional Transportation Plan (RTP) and/or in the Statewide 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.

RECOMMENDATION FOR APPROVAL

Date _____ Project Review Engineer _____

Date _____ State Environmental/Location Engineer _____

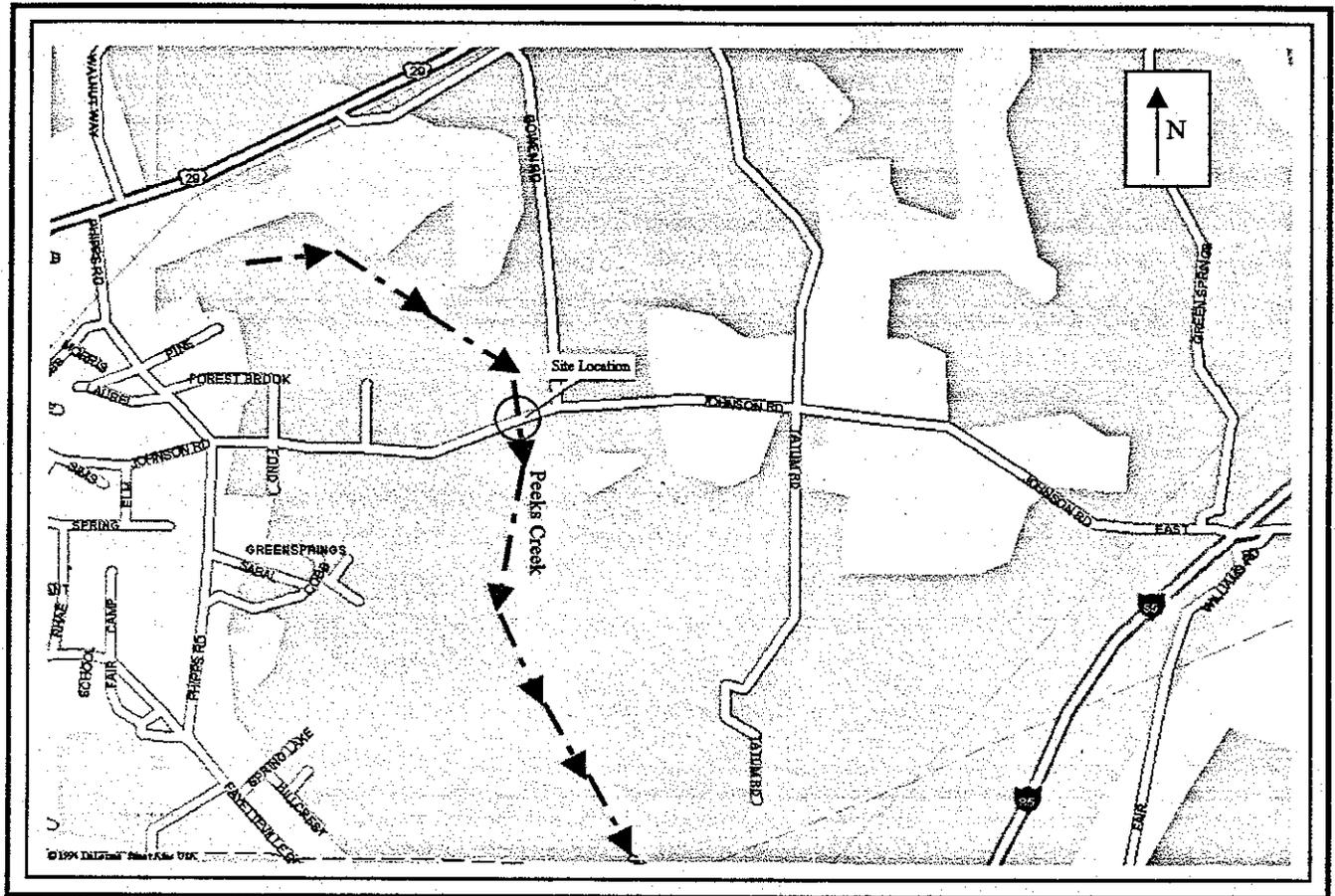
3-9-01
Date _____ *Deborah L. Henry*
District Engineer

Date _____ State Transportation Planning Administrator _____

Date _____ State Traffic Operations Engineer _____

Date _____ State Bridge & Structural Design Engineer _____

PROJECT CONCEPT REPORT
PROJECT NUMBER BRZLB-121(20)



PROJECT LOCATION MAP
Not to Scale

Project No. BRZLB-121(20)
P.I. No. 771273
Fulton County, Georgia

**PROJECT CONCEPT REPORT
PROJECT NUMBER BRZLB-121(20)**

DATE: March 8, 2001
 PROJECT NUMBER: BRZLB-121(20) COUNTY: Fulton
 DESCRIPTION: Johnson Road over Peeks Creek Bridge Replacement. LENGTH: 590 ft (180 m)
 P.I. NO.: 771273 U.S. ROUTE NO.: N/A STATE RT. NO. N/A
 LOCATION: Located in South Fulton County in Palmetto, GA approximately one half mile west of Tatum Rd on Johnson Road (CR 629) over Peeks Creek.

TRAFFIC

<u>YEAR</u>	<u>CURRENT</u>	<u>AADT</u>	<u>YEAR</u>	<u>PROJECTED</u>	<u>AADT</u>
2002		745	2022		1311
<u>PDP CLASSIFICATION</u>	<u>NON-CA</u>	<u>CA</u>	<u>EXEMPT</u>	<u>SF</u>	<u>FUNCTION CLASSIFICATION</u>
Minor	()	()	(X)	()	Rural Local Street

EXISTING DESIGN

TYPICAL SECTION: 2 -10 ft (3.0 m) lanes with rural shoulders. Existing R/W 60 ft (18 m).

<u>POSTED SPEED</u>	<u>MIN. EXISTING RADIUS OF CURVE</u>	<u>MAX. EXISTING GRADE</u>
35 mph (60 km/hr)	1300 ft (400 m)	9.0 %

EXISTING MAJOR STRUCTURES

<u>FEATURES INTERSECTED</u>	<u>SUFFICIENCY RATING</u>	<u>LENGTH</u>	<u>WIDTH</u>
Peeks Creek	22.1	29.8 ft (9.08 m)	23.5 ft (7.15 m)

PROJECT NEED AND PURPOSE

See attached

PROJECT CONCEPT REPORT
PROJECT NUMBER BRZLB-121(20)

PROPOSED DESIGN

PROPOSED TYPICAL SECTION: Two 12 foot (3.6 m) lanes with 10 foot (3.0 m) shoulders.

Typical section enclosed.

RIGHT-OF-WAY WIDTH: 80 ft (24 m) – typical for roadway; right-of-way at culvert varies.

see attached

DESIGN SPEED: 35 mph (60 km/h)

MIN. RADIUS OF CURVE: ALLOWABLE: 705 ft (215 m) PROPOSED: 1312ft (400 m)

MAX. GRADE: ALLOWABLE: 8.00 % PROPOSED: 8.00 %

TYPE ACCESS: By County permit

TRAFFIC CONTROL DURING CONSTRUCTION: Road will be closed during construction.

LIMITS OF PROJECT: Project extends 332 feet (101.34m) West and 258 feet (78.66m) East along roadway from the centerline of proposed concrete bridge culvert.

PROPOSED STRUCTURES

Double 10 ft X 8 ft (3000 mm X 2400 mm) Concrete Bridge Culvert

PROJECT CONCEPT REPORT
PROJECT NUMBER BRZLB-121(20)

DESIGN EXCEPTIONS TO BE REQUIRED

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

PROJECT CONCEPT REPORT
PROJECT NUMBER BRZLB-121(20)

ESTIMATED COST

CONSTRUCTION:	<u>\$290,350</u>	RIGHT-OF-WAY:	<u>LGPA</u>
5% INFLATION for 2yrs:	<u>\$29,000</u>		
Subtotal:	<u>\$319,350</u>	UTILITIES:	<u>LGPA</u>
10% E&C:	<u>\$32,000</u>		
GRAND TOTAL COST:		<u>\$351,350</u>	

DISPLACEMENTS: None

LEVEL OF ENVIRONMENTAL ANALYSIS: Bridge Categorical Exclusion

PUBLIC INVOLVEMENT: No public meetings

PERMITS REQUIRED (COE 404, WATER QUALITY, TVA): Existing COE Nationwide Permit # 980017180

TIME SAVINGS PROCEDURES APPROPRIATE: X YES NO

LOCAL GOVERNMENT COMMENTS: Fulton County to provide P.E., R/W, and Utility relocation by LGPA

OTHER PROJECTS IN THE AREA: Cascade @ Wilkerson Mill Rd.

CONCEPT TEAM MEETING DATE: June 1, 2000 (See Attached)

CONFORMS TO TIP/STIP? Yes

MEETS LOGICAL TERMINI REQUIREMENTS? Yes

POSSIBLE LOCATIONS OF USTS: None known

PROBABLE LOCATION OF HAZARDOUS WASTE: None Known

OTHER ALTERNATIVES CONSIDERED: 1. Replacement with bridge 2. No construction

COMMENTS: Replacement with 31-foot (9.4m) wide by 42-foot (12.9m) long bridge with pre-cast superstructure and cast-in-place substructure supported on piles considered but not chosen due to bridge's 150% higher lifecycle cost and box culvert's lower maintenance cost, longer service life, and lower future cost to widen, if required.

NOTE: This project is located within a FEMA regulatory floodway zone X, base flood elevations not determined.

SCHEDULING CONSIDERATIONS:

Time to Complete Environmental:	<u>6 Month</u>
Time to Complete Preliminary Plans:	<u>3 Month</u>
Time to Complete 404 Permit:	<u>3 Month</u>
Time to Complete Final Construction Plans:	<u>3 Months</u>
Time to Complete Right of Way:	<u>3 Months</u>

ATTACHMENTS: Cost Estimate, Need & Purpose Statement, Concept Team Meeting Minutes, Typical Section, Detour Plan, Bridge Reports, & Notice of Location & Design Approval

PROJECT CONCEPT REPORT
PROJECT NUMBER BRZLB-121(20)

Construction Cost Estimate Johnson Road over Peeks Creek Fulton County Project No. T - 039					
Item No.	Description	Unity	Quantity	Unit Price	Cost
150-1000	Traffic Control	Lump	1	10500.00	10,500.00
208-0100	In Place embankment	Cu. M.	1800	5.25	9,450.00
210-0100	Grading Complete	Lump	1	26250.00	26,250.00
700-0200	Grassing	Lump	1	5250.00	5,250.00
603-2024	Stone Dump Rip Rap, TP 1, 600 mm	Sq. m	75	42.00	3,150.00
603-7000	Plastic Filter Fabric	Sq. m	40	4.75	189.00
716-2000	Erosion Control Mats, Slopes	Sq. m	50	4.50	236.25
310-5080	Gr Aggr. Base Crs, 200 mm, incl. Material	Cu M	260	31.50	8,190.00
402-3112	Recycled Asph Conc. 6.5 mm Superpave, GP 1 or 2, incl. Bitum Matl & H. Lime	Mg	706	49.35	34,841.10
402-3131	Recycled Asph Conc. 19 mm Superpave, GP 1 or 2, incl. Bitum Matl & H. Lime	Mg	410	53.16	21,796.22
402-3121	Recycled Asph Conc. 25 mm Superpave, GP 1 or 2, incl. Bitum Matl & H. Lime	Mg	375	43.58	16,340.63
413-1000	Bitum Tack Coat	Liter	3700	.26	656.25
161-1000	Erosion Control	Lump	1	5250.00	5,250.00
171-0010	Temporary Silt Fence, Type A	Lin. m.	50	17.85	892.50
171-0030	Temporary Silt Fence, Type C	Lin. m.	360	16.66	5,998.86
702-7501	Tree Protection Barrier	Lin. m.	50	17.05	852.60
653-1501	Thermoplastic Solid Traffic Stripe, 125 mm. White	Lin. m.	360	1.47	529.20
653-1502	Thermoplastic Solid Traffic Stripe, 125 mm. Yellow	Lin. m.	360	1.47	529.20
654-1001	Raised Pvmt Markers TP1	Each	30	4.20	126.00
636-1020	Highway Signs, TP 2 Matl, Refl Sheeting, TP 2	Sq. m	1.3	451.61	587.09
636-2020	Galv Steel Posts, TP 2	Lin. m.	17.2	19.36	333.03
207-0203	Foundation Backfill Matl, TP11	Cu. M.	140	40.80	5,712.42
500-3101	Class A Concrete	Cu. M.	156	468.79	73,131.79
511-1000	Bar Reinf Steel	Kg	9041	1.14	10,347.42
641-1200	Guardrail, TP W	Lin m	50	42.00	2,100.00
641-5001	Guardrail Anchorage, TP 1	Each	2	420.00	840.00
641-5012	Guardrail Anchorage, TP 12	Each	2	1,682.63	3,365.25
634-1200	Right of Way Marker	Each	8	68.44	547.51
540-1101	Removal of Existing Bridge	Each	1	42000.00	42,000.00
				Total Cost	290,307.30

NEED & PURPOSE STATEMENT

Project BRZLB-121(20) consists of the replacement of the bridge on Johnson Road, over Peeks Creek in Fulton County. Johnson Road is located between US 29 and SR 74 in the southeast section of Fulton County. This area of Fulton County is located northwest of the city of Palmetto, which is west of I-85. The bridge was constructed in 1956 and has a sufficiency rating of 22.1. The Office of Bridge Design has determined that any structure with a sufficiency rating less than 50 should be replaced rather than improved.

Johnson Road is 20' wide with narrow grassed shoulders. The existing bridge over Peeks Creek on Johnson Road has a weight limit of only three tons, is narrow, has no guardrail protecting the approaches, and the two-bar metal pipe handrails represent a potential traffic safety hazard and do not meet current construction standards. There is extensive erosion at the end bents that is undermining the approaches around the piles. Replacing the bridge with a box culvert will provide for safer travel for the traveling public and will accommodate two 12' travel lanes in each direction. The speed limit is posted at 35 mph (60 km/h) and the bridge is not located on the National Highway System. The road is not on a school bus route. However, the County would like to use this road for school bus routes in the future. The Averaged Daily Traffic (ADT) in this area is projected to be 745 in year 2002 and 1311 in year 2022.

The proposed box culvert will be a double 10 ft X 8 ft (3000 X 2400 mm) concrete box culvert. Replacing this bridge with a box culvert will bring it up to current design standards and will improve the operation and safety of this roadway.

July 31, 2000

Mr. George Osborne, P.E.
Project Manager
RMJ Joint Venture
141 Pryor Street, S. W.
Suite 3077
Atlanta, GA 30303

Subject: Meeting Minutes for June 1, 2000 Concept Team Meeting

The following represents the general discussions that ensued during the June 1, 2000 Concept Team Meeting held at the District 7 Georgia DOT Office from 9:00 a.m. to 10:30a.m. The meeting was opened and directed by Mr. James Key Philips, District Design Engineer with the Georgia DOT District 7. Mr. Philips then requested introductions from the attendees.

Following introductions, Mr. Boehm gave a general description of the Rico Road / Moss Creek Project noting that the weight limit posted is 3 tons, structural condition and capacity is reported to be poor. The critically low capacity does not allow for school bus traffic. The existing rails are also substandard for highway traffic. The plans were developed as a county project, so the hydraulic analysis is complete and available. The alignment of the bridge to the stream is a problem and one abutment has been heavily eroded and undermined with evidence of repeated maintenance and asphalt repairs. A R.O.W. width of 60 ft was initially planned.

The following represents comments on the concept report for Rico Road over Moss Creek. Mr. John Weingard, District Design Squad Leader, provided a hard copy of his report comments for both projects.

- The GADOT minimum is 80ft of R.O.W.
- The triple 10 ft X 10 ft culvert opening seems large for such a small stream. The overall width is in question relative to concerns about siltation in the barrels as a maintenance problem.
- The detour length is relatively long, but no better route is available; so the route shown should be acceptable. GADOT concurred that the detour is approved; however, a letter is needed from the County to GADOT concurring that the detour is approved.
- Signing plans for the detour will be needed. Striping plans may also be needed depending on the need for pavement markings.
- It appears that three or four parcels of property are affected.
- English units are preferred by GADOT, but an exemption has been approved for this project which is currently in metric units.
- A Southern Bell representative stated there were no expected problems and no known utility conflicts. Utilities in the area are all overhead from best information.
- Erosion control will be a major item of coordination on the plans. New (updated) guidelines and pay items are coming in July. No significant problems are expected with the erosion control.
- The final concept report should show consistent dual units throughout.

- A dozen copies of the final report are to be delivered to Mr. Osborne for distribution. Color maps will be provided in each for clarity.
- ET needs to follow the standard format for project need and purpose. Copies of the GADOT standard for Purpose and Need were distributed during the meeting.
- Follow ASTM E 380 for metric formats.
- Correct the functional class, which GADOT has listed as a rural minor collector (not a local street).
- Show speeds in metric, thus 70kmh instead of 72kmh for 45 mph.
- Show the bridge's sufficiency rating (20.5%). (copy of bridge data sheet furnished at the meeting). Show shoulder widths.
- Add bridge data sheet as an attachment to the report.
- Indicate in the narrative that this is a school bus route (suspended) when the bridge has sufficient capacity. Confirm the status with the County.
- Remove the statement about the proposed typical guardrail from the description.
- Change to triple 10x10 in the culvert description.
- Change the team meeting date to today's date and indicate "minutes attached"
- Under "meets logical termini requirements" indicate the other active projects such as Cochran Road.
- The project schedule seems optimistic. It should be moved up into the body of the report. GADOT will provide input from their schedule engineer.
- The L&D notice is OK. However, land lot numbers and districts are needed.
- Typical section is OK.
- Station application of the typical sections on the sketch should be checked or removed.
- Show as "Overlay Section" and "Typical Section" on the sketch.

Comments on the Johnson Road over Peeks Creek Concept Report were essentially the same with the addition of the following:

- Show dual units consistently in soft metric and English.
- The functional class is a rural local street.
- The state's road inventory indicates a 35mph speed limit, but no posting was found. George will confirm with the County.
- The lower speed would probably eliminate the grade design exception sought in the draft Concept Report. (Needs to be verified.)
- The ADT's should be change to current year 2002 (construction year) and design year 2022 projections.
- The minimum radius shown of 238 feet appears incorrect for a 45 mph design speed (check green book value) and will change for a 35 mph design speed.
- Sufficiency rating should be shown (22.1%), and the bridge data sheet attached (copy furnished at the meeting).
- All three alternates should be shown, and the preferred alternate is generally listed as number 1 under "considered alternates", thus: 1. Culvert, 2. Bridge, and 3. No-build.

Mr. Boehm asked Mr. Weingard to review the Georgia DOT standard schedule and milestones for this project. Mr. Weingard indicated that there were several steps necessary over the next year or so. Mr. Weingard indicated that he would provide Mr. Boehm with some documents that would be helpful in understanding the DOT process. These documents include a checklist for Right of Way plans, NPDES Phase 1 Erosion, Sedimentation and Pollution Control Plan and Comprehensive Monitoring Program packet, and others.

Mr. Osborne suggested that the draft meeting minutes be provided by email for review prior to finalizing.

The meeting was then concluded.

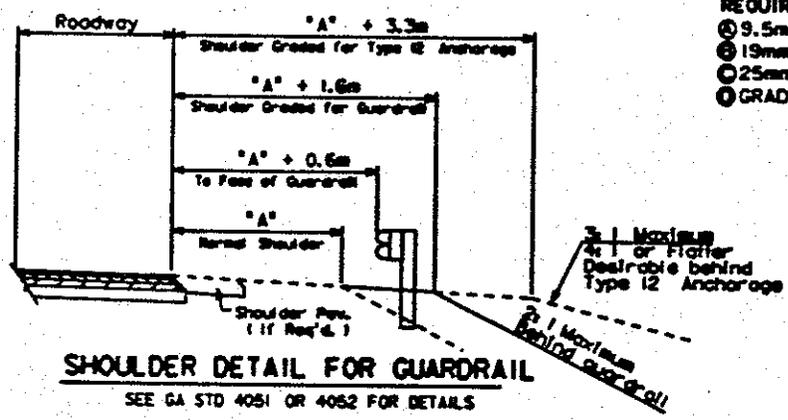
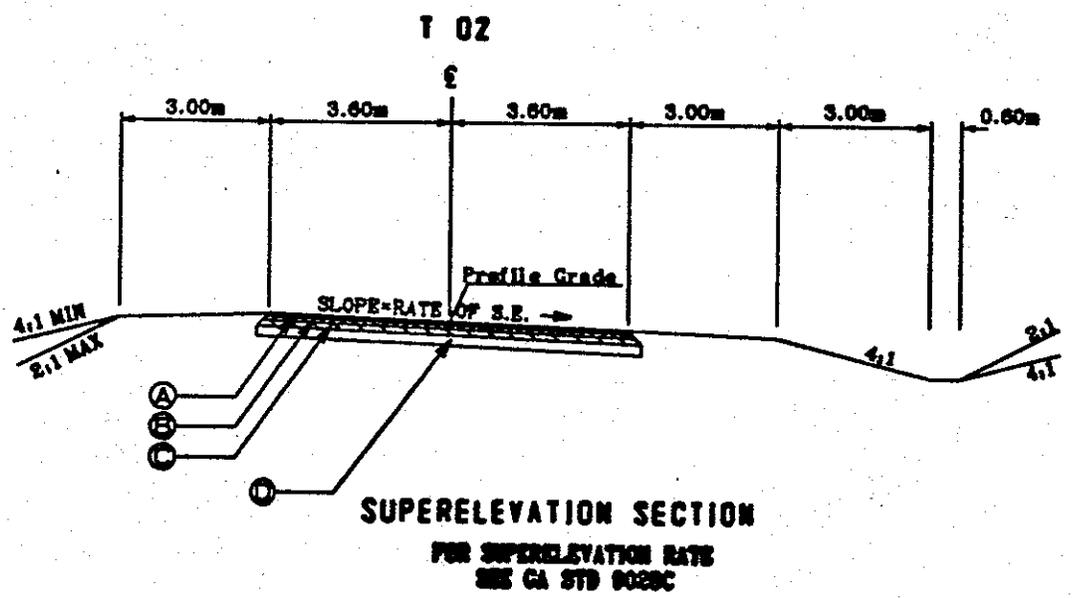
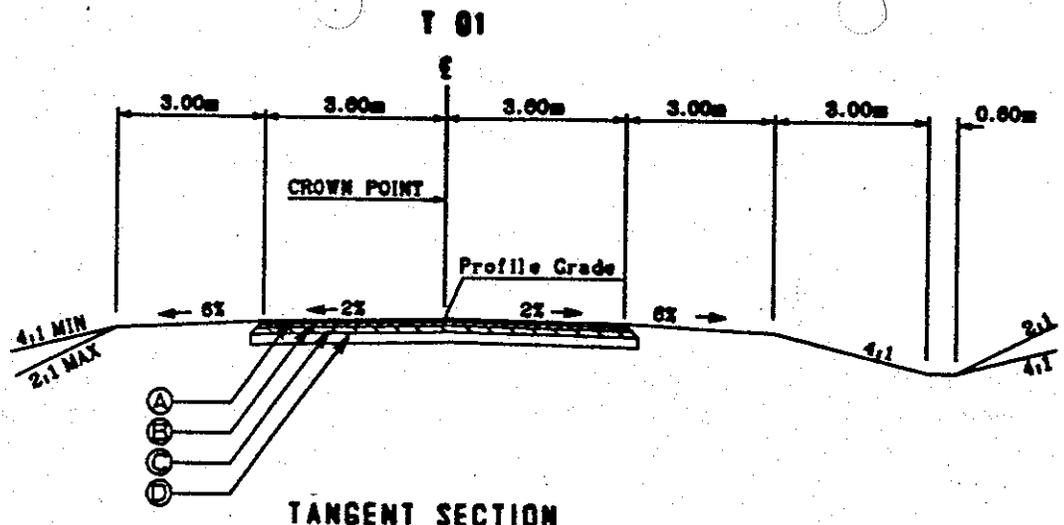
Any revisions or corrections should be provided by to me by email at chuck_boehm@earthtech.com or by fax at (414) 225-5111 with the appropriate corrections to ensure proper updating of any changes. Please call me at (414) 225-5102 if you have any questions or comments.

Very truly yours,

Earth Tech, Inc.



Charles G. Boehm, P.E.
Project Manager



- REQUIRED PAVEMENT**
- ⊙ 9.5mm SUPERPAVE - 90 kg/sq m
 - ⊙ 19mm SUPERPAVE - 120 kg/sq m
 - ⊙ 25mm SUPERPAVE - 180 kg/sq m
 - ⊙ GRADED AGG. BASE, 250 mm

SLOPE CONTROLS		
SLOPE	CUT	FILL
4:1	0-3m	0-3m
3:1	---	---
2:1	> 3m	> 3m

\$\$\$DATE\$\$\$

\$\$\$DGN\$\$\$



5/1/00

FIGURE 1
TYPICAL SECTION
JOHNSON ROAD
FULTON COUNTY
BRIDGE REPLACEMENT

32520

1----- 1: LOCATION AND GEOMETRIC DATA 31-MAY-2000
 BRIDGE IN FULTON COUNTY | SERIAL NUMBER : 5083-0
 ----- FACILITY CARRIED ----- | YEAR CONSTRUCTED : 1956
 JOHNSON ROAD | YEAR RECONSTRUCTED: None
 ----- LOCATION ----- | DATE INSEPECTED : March 2000
 1 MI E OF PALMETTO | DESIGN LOAD : H-15
 ----- FEATURES INTERSECTED ----- | NATIONAL TRUCK RTE: OFF NETWORK
 PEEKS CREEK | 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
 CONTACT DATE : 02/01/02
 RANKING NUMBER : 0 Priority rating
 TOTAL PROJECT COST: \$107,000 (1990 IMPROVEMENT COST ESTIMATE)
 LAST PROJECT # : COUNTY DESIGN
 PROPOSED PROJECT #: BRZLB-121 (20)
 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: MEASURMENT DATA
 NUMBER OF LANES ON: 2 UNDER: 0
 STRUCTURE LENGTH : 30 FT BRIDGE ROADWAY WIDTH: 22.0 FT
 CLEARANCE (FT-IN) : OVER: 99-99 UNDER: 00-00 HORIZONTAL: 22.0 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 14 tons.
 OPERATING : Over 39.9% below legal load limit.
 SUFFICIENCY : 22.1
 STRUCTURE : Intolerable requiring high priority of corrective action.
 DECK : SATISFACTORY, structural elements show minor deterioration.
 MAIN SUPPORT: SATISFACTORY, structural elements show minor deterioration.
 SUBSTRUCTURE: SERIOUS, seriously affected primary structural sections.
 SCOUR : MODERATE - starting to affect function of members.
 CHANNEL PROT: Banks slump, widespread minor damage.
 ----- 7: POSTING DATA
 STRUCTURE POSTED : Posted for load.
 TEMPORARY POSTING: No temporary conditions exist.
 ACTUAL POSTINGS : [H: 09 TONS] [TRI: NP TONS] [3S2: 18 TONS]

Notice of Location and Design Approval

BRZLB-121 (20)

P.I. #771273

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 located in South Fulton County and lies entirely within the 7th Land District, Land Lot 100. This project proposes to replace the existing structurally deficient bridge on CR 629/Johnson Road over Peeks Creek with a new Double 10-ft X 8-ft (3000 mm X 2400 mm) Concrete Bridge Culvert. The approaches to the new culvert will consist of two 3.6 m lanes with 3.0 m shoulders.

Date of Location and Design Approval: APRIL 2, 2001

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, Chamblee, GA 30341). Or, any interested party may obtain a copy of the drawings or maps and plats by writing to the Georgia Department of transportation, No. 2 Capitol Square, Atlanta, Georgia 30334 and paying a nominal cost there for.

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

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

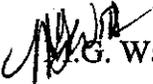
Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRZLB-121(20)/Fulton County
P.I. No. 771273

Office: Traffic Operations
Atlanta, Georgia

Date: March 13, 2001

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 referenced project, for the replacement of the structurally deficient bridge on Johnson Road over Peeks Creek. This project is located northwest of Palmetto.

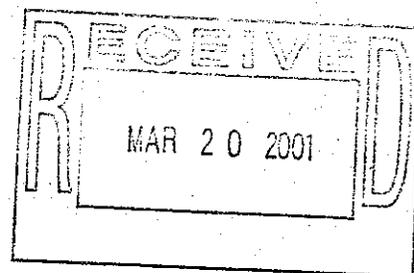
The existing structure is 23.5 feet wide with a sufficiency rating of 22.1. The concept proposes to construct a double 10'X8' box culvert to replace the existing structure. The current ADT is 745 with a design year, 2022, ADT estimated at 1311. The proposed roadway will be 24-feet wide with 10-foot grassed shoulders.

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

MGW/BM

Attachment (signature page)

Cc: Harvey Keepler, Environmental Location Office
Stephen T. Henry, District Engineer-Chamblee
Attention: John Weingard, District Design
David Mulling, w/ attachment
Marta Rosen, Planning Office
Paul Liles, State Bridge & Structural Design Engineer
Chuck Hasty, TMC
General Files



PROJECT CONCEPT REPORT
PROJECT NUMBER BRZLB-121(20)

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

FULTON COUNTY

JOHNSON ROAD OVER PEEKS CREEK BRIDGE REPLACEMENT

Project No.: BRZLB-121(20)

P.I. No.: 771273

U.S. Route No.: N/A

State Route No.: N/A

Location Map: See Page 2

Date of Report: March 8, 2001

This project is contained in the Regional Transportation Plan (RTP) and/or in the Statewide 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.

RECOMMENDATION FOR APPROVAL

Date _____ Project Review Engineer _____

Date _____ State Environmental/Location Engineer _____

3-9-01

Date

Stephen T. Henry
District Engineer

Date _____ State Transportation Planning Administrator _____

3/16/01

Date

Merion Hudson
State Traffic Operations Engineer

Date _____

State Bridge & Structural Design Engineer _____

PROJECT CONCEPT REPORT
PROJECT NUMBER BRZLB-121(20)

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

FULTON COUNTY

JOHNSON ROAD OVER PEEKS CREEK BRIDGE REPLACEMENT

Project No.: BRZLB-121(20)

P.I. No.: 771273

U.S. Route No.: N/A

State Route No.: N/A

Location Map: See Page 2

Date of Report: March 8, 2001

This project is contained in the Regional Transportation Plan (RTP) and/or in the Statewide 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.

RECOMMENDATION FOR APPROVAL

Date _____ Project Review Engineer _____

Date _____ State Environmental/Location Engineer _____

3-9-01

Date

Deborah T. Henry
District Engineer

Date _____

State Transportation Planning Administrator _____

Date _____

State Traffic Operations Engineer _____

3-18-01

Date

Paul V. Tiller Jr.
State Bridge & Structural Design Engineer

PROJECT CONCEPT REPORT
PROJECT NUMBER BRZLB-121(20)

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

FULTON COUNTY

JOHNSON ROAD OVER PEEKS CREEK BRIDGE REPLACEMENT

Project No.: BRZLB-121(20)

P.I. No.: 771273

U.S. Route No.: N/A

State Route No.: N/A

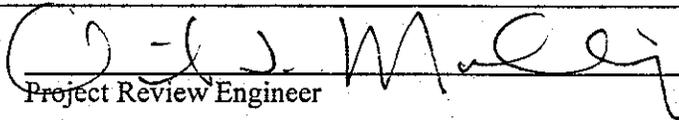
Location Map: See Page 2

Date of Report: March 8, 2001

This project is contained in the Regional Transportation Plan (RTP) and/or in the Statewide 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.

RECOMMENDATION FOR APPROVAL

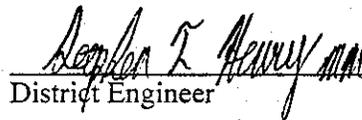
3/12/01
Date


Project Review Engineer

Date

State Environmental/Location Engineer

3-9-01
Date


District Engineer

Date

State Transportation Planning Administrator

Date

State Traffic Operations Engineer

Date

State Bridge & Structural Design Engineer