

ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0006953, DeKalb County **OFFICE** Preconstruction
CSBRG-0006-00(953)
Flakes Mill Road over South River **DATE** June 27, 2005

FROM *Cybil Jurels*
Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO *ra-* SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
Jamie Simpson
Michael Henry
Keith Golden
Joe Palladi (file copy)
Paul Liles
Babs Abubakari
Bryant Poole
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0006953, DeKalb County **OFFICE** Preconstruction
 CSBRG-0006-00(953)
 Flakes Mill Road over South River **DATE** June 24, 2005

FROM *John Jank*
 Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO David E. Studstill, Jr., P.E., Chief Engineer

SUBJECT PROJECT CONCEPT REPORT

This project is the replacement of a functionally obsolete and structurally deficient bridge on CR 5186/Flakes Mill Road over South River, 8.25 miles southeast of Decatur, Georgia. The existing bridge, constructed in 1949, is 168' x 23.8' with a sufficiency rating of 48. The existing structure is considered historic. The existing approaches consist of two, 12' travel lanes with 10' rural shoulders on 100' of existing right-of-way. Flakes Mill Road/CR 5186 is functionally classified as a minor arterial street and is designated as a school bus route. Traffic is projected to be 8,163 VPD and 13,772 VPD in the years 2008 and 2028 respectively. The posted speed and the design speed are 45 MPH.

The construction proposes to relocate CR 5186/Flakes Mill Road west of its existing location, extending a total of 1.250 miles. The proposed new structure will consist of a 440' x 62.5' concrete bridge and will be located just west of the existing bridge structure. The existing bridge is listed as eligible for the National Register in the GABS and has preservation potential. The relocated CR 5186 will consist of two, 12' travel lanes, one, 12' turn lane, a 4' bike lane in each direction, and 12' shoulders that will include a 2' grass strip and a 5' sidewalk. Existing two-way traffic will be maintained on the existing bridge during construction of the proposed bridge on new alignment.

Environmental concerns include requiring a COE 404 Permit; a Programmatic Section 4(f) evaluation will be required; a public hearing open house is not required; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C and inflation)	\$2,884,000	\$2,884,000	Q11/Q24	LR
Right-of-Way & Utilities*	Local	Local		

David Studstill

Page 2

P. I. No. 0006953, DeKalb

June 22, 2005

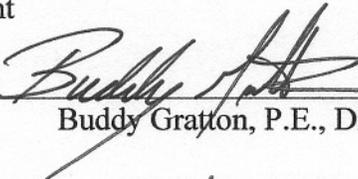
*LGPA will be sent.

I recommend this project concept be approved.

MBP:JDQ/cj

Attachment

CONCUR



Buddy Gratton, P.E., Director of Preconstruction

APPROVE



David E. Studstill, Jr., P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSBRG-0006-00(953) DeKalb
P.I. No. 0006953
CR 5186 @ South River

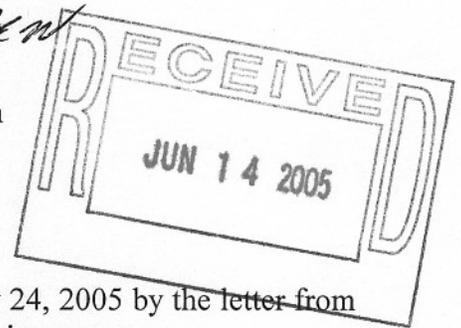
OFFICE: Engineering Services

DATE: June 13, 2005

FROM: Brian K. Summers, P.E., Project Review Engineer *REW*

TO: Meg Pirkle, P.E., Assistant Director of Preconstruction

SUBJECT: CONCEPT REPORT



We have reviewed the Concept Report submitted May 24, 2005 by the letter from Bryant Poole, dated May 23, 2005, and have the following comment:

- The status of the LGPA should be noted in the Concept Report.

The costs for this project are:

Construction	\$2,377,910
Inflation	\$243,736
E & C	\$262,165
Reimbursable Utilities	\$30,000 (LGPA)
Right of Way	\$60,000 (LGPA)

REW

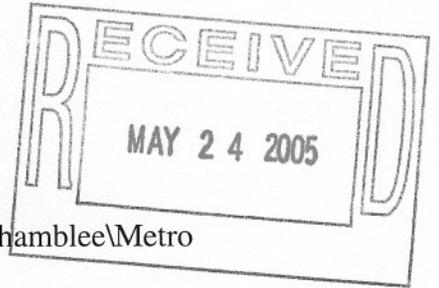
c: Bryant Poole, Attn.: Sam Woods

SCORING RESULTS AS PER MOG 2440-2

Project Number: CSBRG-0006-00(953))		County: DeKalb		PI No.: 0006953	
Report Date: May 23, 2005		Concept By: DOT Office: District 7			
<input checked="" type="checkbox"/> Concept Stage		Consultant: The LPA Group			
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 Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation	100	The status of the LGPA should be noted in the Concept Report.			
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE



FILE: CSBRG-0006-00(953), Dekalb County
CR 5186/Flakes Mill Road @
South River
P.I. # 0006953

OFFICE: Chamblee\Metro

DATE: May 23, 2005

FROM: Bryant Poole, District Engineer

TO: Meg Pirkle, P.E., 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 Sam Woods at (404) 463-4947.

BP\WSL\saw

cc: Keith Golden
David Mulling
Harvey Keepler
Joe Palladi
Jamie Simpson
Paul Liles
File

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT
Flakes Mill Road Bridge Replacement over South River**

Project Number: CSBRG-0006-00-953

County: DeKalb

P. I. Number: 0006953

Federal Route Number: N/A

State Route Number: N/A

County Road: 5186

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 5/23/05

Mark Allen
Project Manager

DATE 5/23/05

Ray Poole
District 7 Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

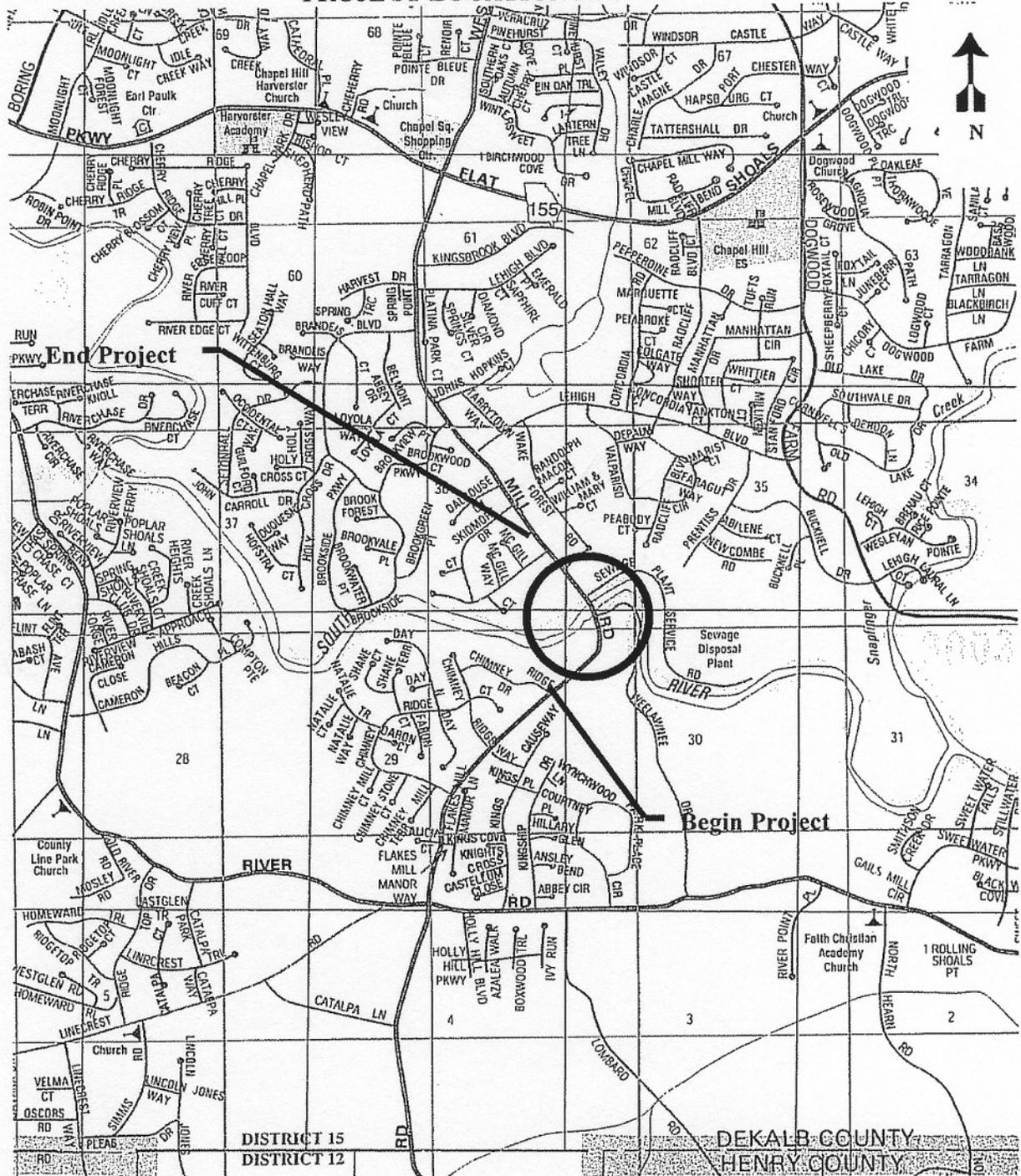
DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

PROJECT LOCATION MAP



Scale: 1 inch = 1 mile

Project: CSBRG-0006-00-953, DeKalb County
PI No.: 0006953

Project Concept Report page 3
Project Number: CSBRG-0006-00-953
P. I. Number: 0006953
County: DeKalb

Description: Flakes Mill Road/CR 5186 Bridge Replacement over South River

NEED AND PURPOSE
PROJECT CSBRG-0006-00-953
DEKALB COUNTY
P. I. NO 0006953
Bridge Replacement

Project Number CSBRG-0006-00-953 will replace the existing, structurally deficient bridge located on Flakes Mill Road/CR 5186 over South River in DeKalb County approximately 1.25 miles south of the intersection of Flakes Mill Road/CR 5186 and Flat Shoals Parkway.

This bridge was constructed in 1949 and its sufficiency rating is 48.59. The Office of Bridge and Structural Design has determined that any structure with a sufficiency rating of less than 50 should be replaced rather than improved. This project will replace the existing bridge with a structurally adequate bridge. Currently the bridge does not contain any pedestrian access.

Flakes Mill Road/CR5186 is functionally classified as a minor arterial street and is designated as a school bus route. The posted speed limit is 45 miles per hour. The Average Daily Traffic (ADT) along this section of roadway has been projected to be 8,163 in 2008 and 13,772 in 2028. Flakes Mill Road/CR 5186 is neither on the National Highway System nor in the Georgia Bicycle Statewide Network, but is included in the DeKalb County approved master plan for bicycle routes. Sidewalks and bike lanes are proposed for this bridge. The proposed sidewalks will provide a continuous ADA compliant path. Replacing this bridge will bring it up to current design standards and will improve the operation and safety of this roadway.

Project Concept Report page 4
Project Number: CSBRG-0006-00-953
P. I. Number: 0006953
County: DeKalb

Description of the proposed project:

This project proposes to replace the existing Flakes Mill Road/CR 5186 Bridge over South River located in DeKalb County approximately 1.25-miles south of the intersection of Flakes Mill Road/CR 5186 and Flat Shoals Parkway.

The proposed bridge will be constructed on new alignment with traffic maintained during construction on the existing bridge. The project will begin approximately 1100 feet north of South River and end approximately 1800 feet south of South River. The total length of the proposed project is approximately 0.55 miles.

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

The project proposes to replace the existing bridge with a structurally adequate bridge as well as add sidewalks and bike lanes and does meet the plan's model. The current lane configuration will not be altered and the road should be opened up to traffic in 2010. Existing traffic will be maintained during construction.

PDP Classification: Major Minor

Federal Oversight: Full Oversight (), Exempt(X), State Funded(), or Other ()

Functional Classification: Minor Arterial Street

U. S. Route Number(s): N/A

State Route Number(s): N/A

Traffic (AADT):

Current Year: (2008) 8,163 ADT Design Year: (2028) 13,772 ADT

Existing design features:

- **Typical Section:** The existing roadway has two 12-foot travel lanes with ten-foot grassed rural shoulders. The shoulders vary in two locations, the first location is along Narvie J. Harris Elementary School which contains curb and gutter and sidewalk and the second location is near Chimney Ridge Drive which contains curb and gutter.
- **Posted speed:** 45 mph **Minimum radius for curve:** 400 ft
- **Maximum super-elevation rate for curve:** 4.0%

new alignment.

Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	()	(X)	() (side road)
ROADWAY WIDTH:	()	()	(X)
SHOULDER WIDTH:	()	()	(X)
VERTICAL GRADES:	()	()	(X)
CROSS SLOPES:	()	()	(X)
STOPPING SIGHT DISTANCE:	()	()	(X)
SUPERELEVATION RATES:	()	()	(X)
HORIZONTAL CLEARANCE:	()	()	(X)
SPEED DESIGN:	()	(X)	() (side road)
VERTICAL CLEARANCE:	()	()	(X)
BRIDGE WIDTH:	()	()	(X)
BRIDGE STRUCTURAL CAPACITY:	()	()	(X)

In order to realign a side road and not impact the existing building, detention pond or parking and tie the side road into new mainline alignment, a design exception may be required for the speed design (35 mph to 25 mph) and minimum curve radius.

- **Design Variances:** None Anticipated
- **Environmental concerns:** Anticipate COE 404 Permit. Bridge was constructed in 1949 and will be studied for historic eligibility. A programmatic 4f will be required. Do not anticipate any UST, hazardous waste, archeological, etc. impacts.
- **Level of environmental analysis:** CE - Anticipated
 - Are Time Saving Procedures appropriate? Yes (X), No (),
 - Categorical exclusion (X),
 - Environmental Assessment/Finding of No Significant Impact (FONSI) (), or
 - Environmental Impact Statement (EIS) ().
- **Utility involvement:**
 - Bell South
 - Snapping Shoals EMC
 - Georgia Power
 - Atlanta Gas Light
 - Comcast
 - MCI
 - DeKalb County Water and Sewer
 - DeKalb County Traffic

Project responsibilities:

- o Design – DeKalb County
- o Right of Way Acquisition – DeKalb County
- o Relocation of Utilities – DeKalb County
- o Letting to contract – GDOT
- o Supervision of construction – GDOT
- o Providing material pits – Contractor
- o Providing detours – Contractor

Coordination

- Concept meeting date and brief summary – 3/24/05 (See the attached meeting Minutes).
- P. A. R. meetings, dates and results – Not Applicable
- FEMA, USCG, and/or TVA – FEMA coordination required
- Public involvement – P.I.O.H. will be conducted by DeKalb County
- Local government comments – PMA has not been submitted to DeKalb County
- Other projects in the area –.
- Railroads – Not Applicable
- Other Coordination – COE 404 Permit will be required.

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 6-9 Months
- Time to complete preliminary construction plans: 3 Months
- Time to complete right of way plans: 3 Months
- Time to complete the Section 404 Permit: 3 Months
- Time to complete final construction plans: 3 Months
- Time to complete to purchase right of way: 8 Months
- List other major items that will affect the project schedule: N/A

Alternates Considered: (1) Build proposed bridge on the same alignment as the existing bridge by using an onsite temporary detour to maintain existing traffic. (2) Shift roadway alignment and construct proposed bridge approximately 100 feet to the west of the existing structure. (3) Build proposed bridge on the same alignment as the existing bridge by using an offsite detour to maintain existing traffic. (4) No Build

Comments: Alternate (2) was chosen as the preferred Alternate due to its overall improved safety and desirable horizontal geometry (see attached Alternate 2 Cost Estimate). Alternate (1) was not chosen due to the length and cost of the additional

Project Concept Report page 8
Project Number: CSBRG-0006-00-953
P. I. Number: 0006953
County: DeKalb

approach work and this alternate would not achieve a desirable horizontal geometry. Alternate (3) was not chosen due to the shortest available detour route using County Routes was approximately 6 miles in length and would require improvements to be made to bring the routes up to current State Route standards and also this alternate would not achieve a desirable horizontal geometry. Alternate (4) was not chosen due to the substandard condition of the existing bridge, undesirable horizontal alignment and the long-term maintenance costs in retaining the structurally deficient bridge.

Attachments:

1. Cost Estimates
2. Typical sections
3. Bridge Inventory
4. Concept Team Meeting Minutes
5. Location and Design Notice

**PRELIMINARY COST ESTIMATE
 (ALTERNATE 2)**

DATE: April 4, 2005

PREPARED BY: The LPA Group, Inc.

PROJECT NO.: CSBRG-0006-00-953

P.I. NO.: 0006953

LENGTH: 0.55 Miles

PROJECT DESCRIPTION: Flakes Mill Road/CR 5186 over South River – DeKalb County

PROJECT COSTS

A. RIGHT OF WAY

1. Property (Land & Easement)	<u>\$50,000</u>
2. Displacements; Res: 0, Bus: 0, M.H.: 0	<u>\$0</u>
3. Other Cost (Adm./Cost, Inflation)	<u>\$10,000</u>
4. Detour (Temp. Easement)	<u>\$0</u>
Subtotal: A	<u>\$60,000</u>

B. REIMBURSEABLE UTILITIES

1. Railroad; (None)	<u>\$0</u>
2. Transmission Lines;	<u>\$0</u>
3. Services:	<u>\$30,000</u>
Subtotal: B	<u>\$30,000</u>

C. CONSTRUCTION

1. Major Structures			
a. Retaining Walls; (None)			<u>\$0</u>
b. Bridges; 27,464 sft @ \$65 sft			<u>\$1,785,160</u>
c. Box Culverts; (None)			<u>\$0</u>
d. Removal of existing 4,000 sft @ \$20 sft			<u>\$80,000</u>
Subtotal: C-1			<u>\$1,865,160</u>
2. Grading and Drainage:			
a. Earthwork; 15,000 cy @ \$4 cy			<u>\$60,000</u>
b. Drainage;			
1) Cross Drain Pipe (exclude box culverts) (None)			<u>\$0</u>
2) Curb and Gutter 3,300 ft @ \$15 ft			<u>\$49,500</u>
3) Longitudinal System (include catch basins 2,500 ft @ \$35 ft			<u>\$87,500</u>
Subtotal: C-2			<u>\$197,000</u>

3. Base and Paving

a. Aggregate Base;	(	1,650 tons	@ \$25 tn)	\$41,250
b. Asphalt Paving;				
1) Surface	(	800 tons	@ \$50 tn)	\$40,000
2) Binder	(	400 tons	@ \$50 tn)	\$20,000
3) Base	(	600 tons	@ \$45 tn)	\$27,000
c. Concrete Paving;	(	400 syd	@ \$100 syd)	\$40,000
d. Other;		(None)		\$0
Subtotal: C-3				\$168,250

4. Lump Items:

a. Traffic Control;				\$50,000
b. Clearing & Grubbing;				\$5,000
c. Grassing;				\$5,000
d. Erosion Control;				\$10,000
Subtotal: C-4				\$70,000

5. Miscellaneous:

a. Lighting;		(None)		\$0
b. Striping - (5 in yellow);	6500 ft	@ \$0.50 ft		\$3,250
c. Striping - (5 in white);	8500 ft	@ \$0.50 ft		\$4,250
d. Guardrail				\$20,000
e. Sidewalk	1250 sy	@ \$40.00 sy		\$50,000
Subtotal: C-5				\$77,500

6. Special Features (None)

Subtotal: C-6 \$0

7. Detour

a. Detour Bridge	0 sft	@ \$40 sft		\$0
b. Earthwork	0 cy	@ \$4 cy		\$0
c. Surface	0 tons	@ \$47 tn		\$0
d. Binder	0 tons	@ \$47 tn		\$0
e. Aggregate Base	0 tons	@ \$12 tn		\$0
f. Clearing & Grubbing	(Lump)			
g. Grassing	(Lump)			
h. Erosion Control	(Lump)			
i. Signing & Marking	0 ft	@ \$0.50 ft		\$0
Subtotal: C-7				\$0

Project Concept Report page 11
Project Number: CSBRG-0006-00-953
P. I. Number: 0006953
County: DeKalb

ESTIMATE SUMMARY

(Alternate 2)

A. Right-of-Way		<u>\$60,000</u>
B. Reimbursable Utilities		<u>\$30,000</u>
C. Construction		
1. Major Structures	<u>\$1,865,160</u>	
2. Grading and Drainage	<u>\$197,000</u>	
3. Base and Paving	<u>\$168,250</u>	
4. Lump Items	<u>\$70,000</u>	
5. Miscellaneous	<u>\$77,500</u>	
6. Special Features	<u>\$0</u>	
7. Detour	<u>\$0</u>	
Subtotal Construction Cost	<u>\$2,377,910</u>	
Inflation (5% per year for 2 years)	<u>\$243,736</u>	
E & C (10%)	<u>\$262,165</u>	
Total Construction Cost		<u>\$2,883,810</u>
GRAND TOTAL PROJECT COST	<u>\$2,973,810</u>	

Project Concept Report page 12
Project Number: CSBRG-0006-00-953
P. I. Number: 0006953
County: DeKalb

NOTICE OF LOCATION AND DESIGN APPROVAL

**Project No. CSBRG-0006-00-953, DeKalb County
P.I. No. 0006953**

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

Date of Location Approval: *JUNE 27, 2005*

This project is located on Flakes Mill Road/CR 5186 at South River, located in DeKalb County, 15th Land District, Land Lots 29,30,35 and 36.

This project consists of replacing the existing 24 feet X 168 feet structurally deficient Flakes Mill Road/CR 5186 CR 5186 Bridge at South River with a new structure. The new bridge will be 62 feet 5 inches wide and approximately 440 feet in length.

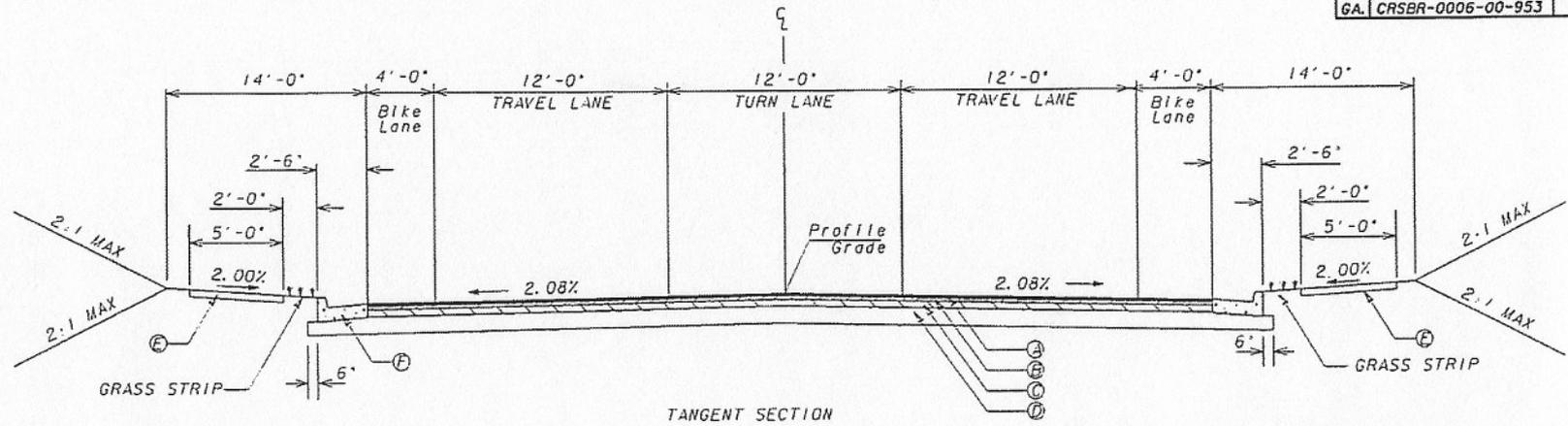
Drawings and/or maps, and/or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Thomas C. Parker
District 7 – Area 1 Engineer
thom.parker@dot.state.ga.us
805 George Luther Drive
Decatur, Georgia 30032
(404) 299-4386

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:

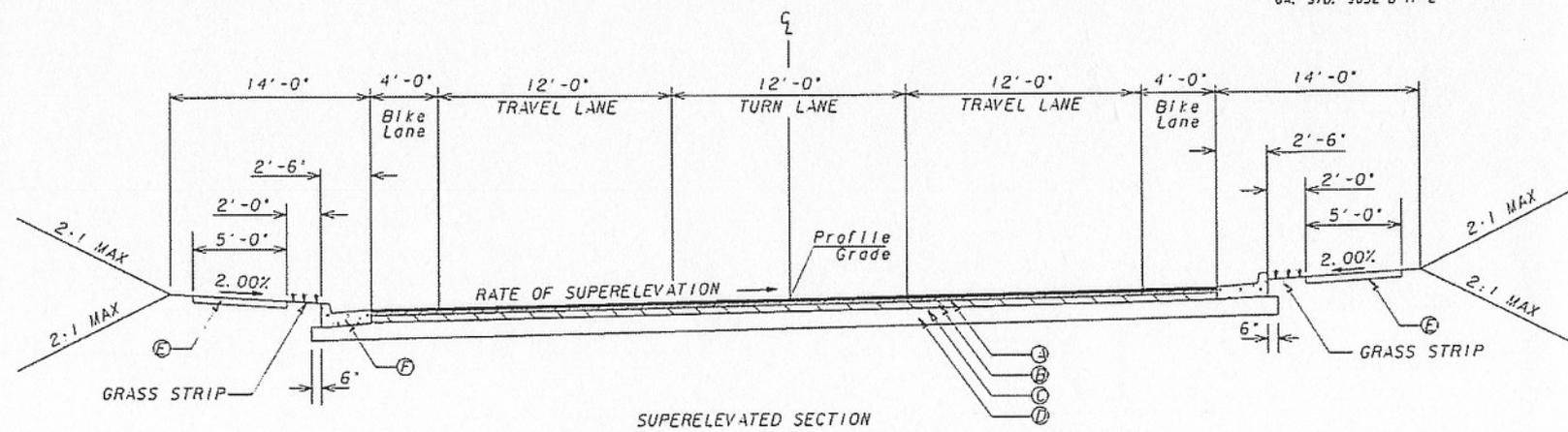
Mike Lobdell, PE
District 7 Preconstruction Engineer
mike.lobdell@dot.state.ga.us
District Office
5025 New Peachtree Road
Chamblee, GA 30341
(404) 463-4947

Any written request or communication in reference to this Notice SHOULD include the PROJECT and P.I. NUMBERS as noted at the top of this notice.



TANGENT SECTION

- REQUIRED PAVEMENT**
- (A) 12.5mm SUPERPAVE @ 165 LB/SY
 - (B) 19mm SUPERPAVE @ 220 LB/SY
 - (C) 25mm SUPERPAVE @ 440 LB/SY
 - (D) GRADED AGGREGATE BASE, 10'
 - (E) 4" CONCRETE SIDEWALK DETAIL
 - (F) 6" x 30" CONC. CURB & GUTTER
G.I. STD. 9032-B TP 2



SUPERELEVATED SECTION

REF TO SCALE

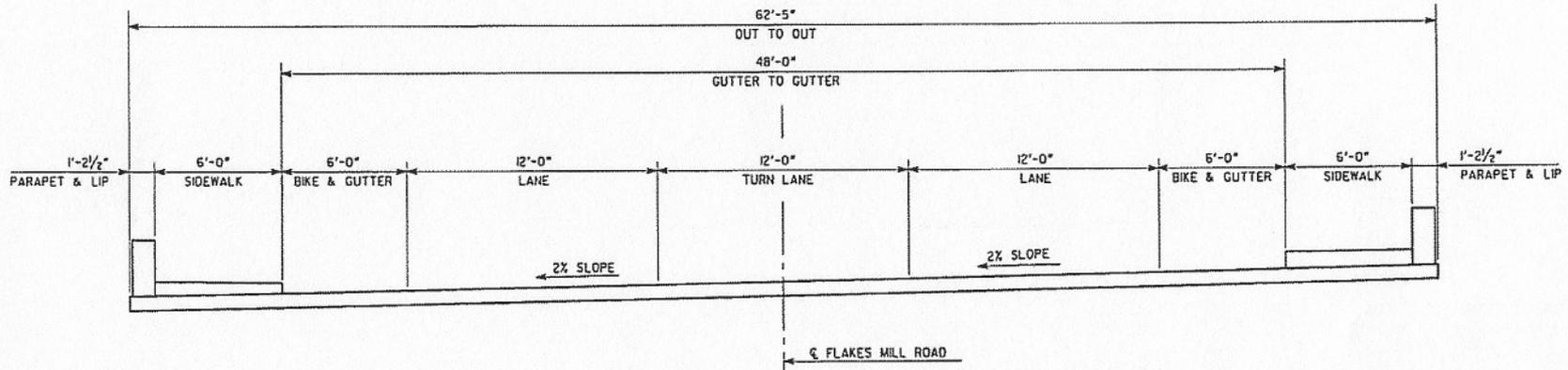
Y:\Reserve\04\AT374012\Concept\Tps.dgn
 05/19/2005

THE LPA GROUP
TRANSPORTATION CONSULTANTS
 3093 CUMBERLAND DRIVE
 NORCROSS, GEORGIA 30092
 (770) 282-8788

DATE	REVISIONS	DATE	REVISIONS

GEORGIA
 DEPARTMENT OF TRANSPORTATION
 CONCEPT TYPICAL SECTION
 FLAKES MILL ROAD BRIDGE
 REPLACEMENT OVER SOUTH RIVER

STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	DEKALB	0006953		



BRIDGE TYPICAL SECTION
NO SCALE

PROJECT NO. .	AT374012	DATE	
DESIGNED BY:	AWB	1/05	
DRAWN BY:	AWB	1/05	
CHECKED BY:	AWB	1/05	
SUPERVISED BY:	ALBERT W. BOWMAN, P. E.		

05/19/2005 07:12:12 PM



THE LPA GROUP INCORPORATED
TRANSPORTATION CONSULTANTS
3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9118

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
FLAKES MILL ROAD OVER SOUTH RIVER
DEKALB CO. CSBRG-0006-00-953

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 089-0223-0

DeKalb

SUFF. RATING

48.59

Location & Geography

* Structure I.D.No: 089-0223-0
 200 Bridge Information 06
 * 6A Feature Int: SOUTH RIVER
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: CR05186
 * 7B Facility Carried: FLAKES MILL ROAD
 * 9 Location: 8.25 MI SE OF DECATUR
 2 DOT District: 7
 207 Year Photo: 2004
 * 91 Inspection Frequency: 24 Date: 03/22/2004
 92A Fract Crit Insp Freq: 00 Date: 02/01/1901
 92B Underwater Insp Freq: 00 Date: 02/01/1901
 92C Other Spc. Insp Freq: 00 Date: 02/01/1901
 * 4 Place Code: 00000
 * 5 Inventory Route (O/U): 1
 Type: 5
 Designation: 1
 Number: 09304
 Direction: 0
 * 16 Latitude: 33-40.0 MMS Prefix:
 * 17 Longitude: 84-13.4 MMS Suffix: MP: 0.00
 98 Border Bridge: 000 %Shared: 00
 99 ID Number: 0000000000000000
 * 100 STRAHNET: 0
 12 Base Highway Network: 1
 13A LRS Inventory Route: 892518600
 13B Sub Inventory Route: 0
 * 101 Parallel Structure: N
 * 102 Direction of Traffic: 2
 * 264 Road Inventory Mile Post: 003.10
 * 208 Inspection Area: 07 Initials: DAS
 Engineer's Initial: SGM
 * Location I.D. No.: 089-09304M-002.97N

* 104 Highway System: 0
 * 26 Functional Classification: 16
 * 204 Federal Route Type: M No.: 09304
 105 Federal Lands Highway: 0
 * 110 Truck Route: 0
 206 School Bus Route: 1
 217 Benchmark Elevation: 0000.00
 218 Datum: 0
 * 19 Bypass Length: 04
 * 20 Toll: 3
 * 21 Maintenance: 02
 * 22 Owner: 02
 * 31 Design Load: 2
 37 Historical Significance: 2
 205 Congressional District: 04
 27 Year Constructed: 1949
 106 Year Reconstructed: 0000
 33 Bridge Median: 0
 34 Skew: 00
 35 Structure Flared: 0
 38 Navigation Control: 0
 213 Special Steel Design: 0
 267 Type of Paint: 3
 * 42 Type of Service on: 1
 5
 214 Movable Bridge: 0
 203 Type Bridge: A-N-O-O
 259 Pile Encasement: 3
 * 43 Structure Type Main: 2 04
 45 No. Spans Main: 003
 44 Structure Type Appr: 1 04
 46 No. Spans Appr: 0001
 226 Bridge Curve Horz: 0 Vert: 0
 111 Pier Protection: 0
 107 Deck Structure Type: 1
 108 Wearing Surface Type: 6
 M 0
 F 0

Signs & Attachments

225 Expansion Joint Type: 02
 242 Deck Drains: 1
 243 Parapet Location: 0
 Height: 0.00
 Width: 0.00
 238 Curb: 1.00 1
 239 Handrail: 1 1
 * 240 Median Barrier Rail: 0
 241 Bridge Median Height: 0.00
 Width: 0.00
 * 230 Guardrail Loc Dir Rear: 3
 Fwrd: 3
 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: 31
 W 32
 Ele: 00
 Telephone: 00
 St 31
 247 Lighting Street: 0
 Navigtion: 0
 Aerial: 0
 * 248 County Continuity No.: 00

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 089-0223-0

DeKalb

SUFF. RATING

48.59

Programming Data

201 Project No.: UNKNOWN
 202 Plans Available: 0
 249 Prop. Proj. No. 0000000000000000
 250 Approval Status: 0000
 251 P.I. No.: 0000000
 252 Contract Date: 02/01/1901
 260 Seismic No.: 00000
 75 Type Work: 31 1
 94 Bridge Imp. Cost: \$ 384
 95 Roadway Imp. Cost: \$ 1,254
 96 Total Imp Cost: \$ 1,834
 76 Imp. Length: 005452
 97 Imp. Year: 1990
 114 Future ADT: 020805 Year: 2023

Hydraulic Data

215 Waterway Data
 Highwater Elev.: 0000.0 Year: 1900
 Avg. Streambed Elev.: 0000.0 Freq.: 00
 Drainage Area: 00000
 Area Of Opening: 000000
 113 Scour Critical: U
 216 Water Depth: 02.4 Br. Height: 27.0
 222 Slope Protection: 1
 221 Spur Dikes Rear: 0 Fwrd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No. Barrels: 0
 Width: 0.00 Height: 0.00
 Length: 0 Apron: 0
 * 265 U/W Insp. Area: 0 Diver: ZZZ
 * Location I.D. No.: 089-09304M-002.97N

Measurements

* 29 ADT: 013870 Year: 2003
 109 % Trucks: 2
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0067
 * 49 Structure Length: 168
 51 Br. Rwdy. Width: 23.80
 52 Deck Width: 27.80
 * 47 Tot. Horz. Cl: 23.80
 50 Curb/Sdewlk Width: 1.20/1.20
 32 Approach Rdwy Width: 022
 * 229 Shoulder Width:
 Rear Lt: 6.00 Type: 8 Rt: 6.00
 Fwrd Lt: 6.00 Type: 8 Rt: 6.00
 Pavement Width:
 Rear: 22.00 Type: 2
 Fwrd: 22.00 Type: 2
 Intersection Rear: 1 Fwrd: 0
 36 Safety Features Br. Rail:
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl.Over: 99 ' 99 "
 Under: N 00 ' 00 "
 * 228 Min. Vertical Cl
 Act. Odm Dir: 99 ' 99 "
 Oppo. Dir: 99 ' 99 "
 Posted Odm. Dir: 00 ' 00 "
 Oppo. Dir: 00 ' 00 "
 55 Lateral Undercl. Rt: N 99.90
 56 Lateral Undercl. Lt: 0.00
 * 10 Max Min Vert Cl: 99 ' 99 " Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 6.00
 Deck Thick Approach: 6.00
 246 Overlay Thickness: 2.00
 212 Year Last Painted: Sup: 0000 Sub: 0000

Ratings

65 Inventory Rating Method: 5
 63 Inventory Rating Method: 5
 66 Inventory Type: 2 Rating: 19
 64 Operating Type: 2 Rating: 40
 231 Calculated Loads
 H-Modified: 18 0
 HS-Modified: 19 0
 Type 3: 17 0
 Type 3s2: 29 0
 Timber: 22 0
 Piggyback: 00 0
 261 H Inventory Rating: 15
 262 H Operating Rating: 31
 67 Structural Evaluation: 4
 58 Deck Condition: 7
 59 Superstructure Condition: 7
 * 227 Collision Damage: 0
 60A Substructure Condition: 7
 60B Scour Condition: 8
 60C Underwater Condition: N
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 8
 68 Deck Geometry: 2
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 6
 62 Culvert: N
Posting Data
 70 Bridge Posting Required: 5
 41 Struct Open, Posted, Cl: A
 * 103 Temporary Structure: 0
 232 Posted Loads H-Modified: 00
 HS-Modified: 00
 Type 3: 00
 Type3s2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date 02/01/1901
 253 Fed Notify Date: 02/01/1901 0

Concept Team Meeting Minutes
Flakes Mill Road Bridge Replacement @ South River
CSBRG-0006-00(953)
PI# 0006953
March 25, 2005

Meeting notes from the March 24, 2005 concept meeting at the District Seven Preconstruction Room, Archives building for the Flakes Mill Road Bridge Replacement @ South River.

Attendees:

Chris Woods	GDOT – District 7	(706) 463-4947
Sharon Witherspoon	GDOT – District 7 Utilities	(404) 463-4953
Marshall Troup	GDOT – District 7	(404) 463-4947
John Little	Dekalb County W&S	(770) 621-7256
Taylor Wright	PBS&J	(770) 933-0280
Nikki Reutlinger	PBS&J	(770) 933-0280
Danny Godwin	The LPA Group Incorporated	(770) 263-9118
Beth Ann Marks	The LPA Group Incorporated	(770) 263-9118
Al Bowman	The LPA Group Incorporated	(770) 263-9118
Donna Via	Georgia Power	(770) 426-6182
AJ Tiarsmith	GDOT-OEL	(404) 699-4416
Sam Woods	GDOT	(404) 463-4947
David Pelton	Dekalb County	(770) 492-5223
Scott Lee	GDOT	(404) 463 4947

Meeting Notes:

- Sam Woods opened the meeting and introductions were given.
- LPA gave an overview of the concept report and project layout.
- Scott Lee suggested moving the school entrance to align with the side street on the opposite side of Flakes Mill Road. This may constrain school bus circulation in the school. Dekalb County/LPA is to contact the school and get their input on this potential driveway relocation.
- John Little asked if R/W would be proposed between the existing and proposed alignments for utility placement. This will be considered.
- Dekalb County is looking to move this project (currently LR) up in the TIP. The earliest let year would be 2007.
- Georgia Power stated they only had underground facilities, which are located from Sewage Plant Drive to the Elementary school. The proposed project roadway section is expected to be in fill in this area, therefore those facilities would be maintained.
- Dekalb County Water and Sewer department stated this corridor contains 54" and 42" sanitary sewer trunk lines on the north side of the river. 16" and 8" water mains are attached to the existing bridge. The water and sewer department requested that the existing water lines be maintained on the existing right of way instead of constructing two new water mains. This option would require a new water main installed under the river to replace the two lines on the existing bridge to be demolished. Otherwise a new 8"

and 16" water main will be required on the proposed bridge. Dekalb County/LPA will consider.

- Sharon Witherspoon directed LPA to assume the Atlanta Gas Light will want to have a gas main attached to the bridge.
- Snapping Shoals EMC poles may need to be relocated.
- Dekalb County requested Texas Handrails be included in the bridge design.
- **REPORT COMMENTS:**
 - Add the County Route number for Flakes Mill Road throughout the report.
 - A design exception will be submitted for the side street design speed.
 - Note that the proposed bridge structure will be prestressed concrete beams.
 - Include 2 typical sections; one for the road and one for the bridge. Change the typical section to show an 18' clear zone (14' shoulder with 4' bike lane). Remove details such as allowable ranges table, etc. from the typical sections.
 - Describe pedestrian improvements in the Need and Purpose and also include that currently there is not any pedestrian access across the bridge.
 - Change traffic years to 2008 and 2028 respectively.
 - List utility companies in the utility involvement section and the utility owners are as follows: Bell South, Snapping Shoals EMC, Georgia Power, Atlanta Gas Light, Comcast, MCI, Dekalb County Water and Sewer, and Dekalb County Traffic.
 - Note in the Coordination / public involvement section that the County will hold a public meeting.
 - Change the time to complete environmental process to 6-9 months.
 - In the L&D notice, change Mike Lobdell's title to "District 7 Preconstruction Engineer".
 - Underneath the "Non-attainment" field in the report, briefly state if the project proposes any changes to the plan model.
 - Mike Lobdell asked that "Maximum degree of curve" and "Maximum degree allowable" be changed to "Minimum radius of curve" and "Minimum radius allowable", respectively, in the concept report.
 - Delete "Maximum radius allowable" from proposed design features.
 - Revisit "Maximum degree allowable" of 0°00'15" in proposed design features.
- Sam Woods closed the meeting.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT
Flakes Mill Road Bridge Replacement over South River**

Project Number: CSBRG-0006-00-953

County: DeKalb

P. I. Number: 0006953

Federal Route Number: N/A

State Route Number: N/A

County Road: 5186

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 5/23/05

Mat Kelly
Project Manager

DATE 5/23/05

Ben Hoole
District 7 Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE 5-31-05

Heidi Schel
State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT
Flakes Mill Road Bridge Replacement over South River**

Project Number: CSBRG-0006-00-953

County: DeKalb

P. I. Number: 0006953

Federal Route Number: N/A

State Route Number: N/A

County Road: 5186

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 5/23/05

Mark Hill
Project Manager

DATE 5/23/05

Bay Poole
District 7 Engineer

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

DATE 5/26/05

Joseph P. Black
State Transportation Planning Administrator

DATE _____

State Transportation Financial Management
Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

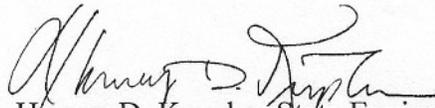
INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0006953

OFFICE: Environment/Location

DATE: June 1, 2005

FROM:

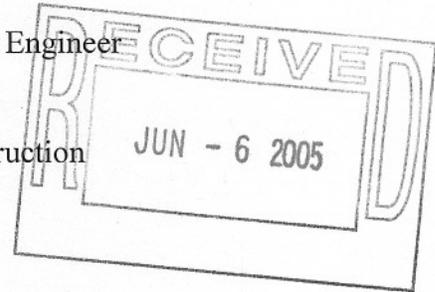

Harvey D. Keepler, State Environmental/Location Engineer

TO:

Margaret B. Pirkle, Assistant Director of Preconstruction

SUBJECT:

**PROJECT CONCEPT REPORT
CSBRG-0006-00(953) / DeKalb County
C.R. 5186 / Flakes Mill Road / South River**



The above subject concept report has been reviewed. The bridge is listed as eligible for the National Register in the GABS and has preservation potential. It needs to be emphasized that we'll need to study its preservation potential in our Programmatic Section 4(f) evaluation.

If you have any questions, please contact me at (404) 699-4401.

HDK/lc

Attachment

cc: Brian Summers
Bryant Poole
Keith Golden
Joe Palladi
Jamie Simpson
Paul Liles

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT
Flakes Mill Road Bridge Replacement over South River**

Project Number: CSBRG-0006-00-953

County: DeKalb

P. I. Number: 0006953

Federal Route Number: N/A

State Route Number: N/A

County Road: 5186

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 5/23/05

Mark Kelly
Project Manager

DATE 5/23/05

Ray Poole
District 7 Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management
Administrator

DATE 5.31.05

Arney D. Taylor
State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT
Flakes Mill Road Bridge Replacement over South River**

Project Number: CSBRG-0006-00-953

County: DeKalb

P. I. Number: 0006953

Federal Route Number: N/A

State Route Number: N/A

County Road: 5186

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 5/23/05

Mark Kelly
Project Manager

DATE 5/23/05

Ben Poole
District 7 Engineer

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

DATE _____

State Transportation Planning Administrator

DATE 5-25-05

James Simpson
State Transportation Financial Management
Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT
Flakes Mill Road Bridge Replacement over South River**

Project Number: CSBRG-0006-00-953

County: DeKalb

P. I. Number: 0006953

Federal Route Number: N/A

State Route Number: N/A

County Road: 5186

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 5/23/05

Mark Miller
Project Manager

DATE 5/23/05

Ray Hoole
District 7 Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE 6/12/05

Paul V. Telen Jr
State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT
Flakes Mill Road Bridge Replacement over South River**

Project Number: CSBRG-0006-00-953
County: DeKalb
P. I. Number: 0006953

Federal Route Number: N/A
State Route Number: N/A
County Road: 5186

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 5/23/05

Mat Kelly
Project Manager

DATE 5/23/05

Bry Hoole
District 7 Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 6/13/05

Brian K. Summers *RCW*
Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer