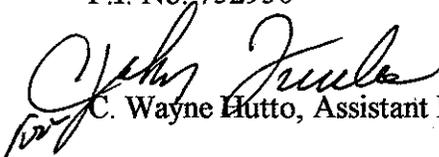


ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRSRB-9092(1) DeKalb County **OFFICE** Preconstruction
P.I. No. 752930
DATE August 14, 2001
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
Joe Palladi
Steve Henry
BOARD MEMBER

Frank L. Danchetz

Page 2

BRSLB-9092(1) DeKalb

August 1, 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

SCORING RESULTS AS PER MOG 2440-2

Project Number: BRSLB-9092(1)		County: DEKALB		PI No.: 752930-	
Report Date: 6/28/01		Concept By: DOT Office: Urban Design			
<input checked="" type="checkbox"/> CONCEPT		Consultant: LPA			
Project Type: Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input checked="" type="checkbox"/> Bridge <input type="checkbox"/> Building <input type="checkbox"/> Interchange <input type="checkbox"/> Intersection 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%				
Judgement	100%				
Environmental	100%				
Right of Way	100%				
Utility	100%				
Constructability	100%				
Schedule	100%				

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

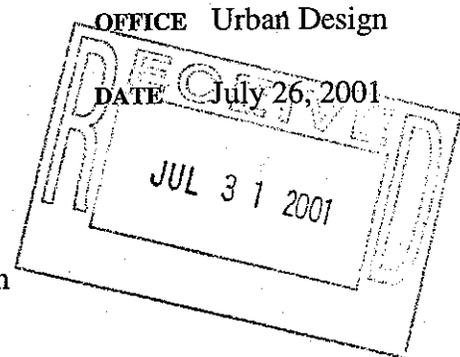
INTERDEPARTMENT CORRESPONDENCE

FILE BRSRB-9092(1), DeKalb County
P.I. No. 752930
Bouldercrest Road/C.R. 5187 @ South River

FROM 
Joseph P. Palladi, P.E., State Urban Design Engineer

TO Wayne Hutto, 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 Plan Development Process (PDP).

The attached Concept Report is the second submittal for this project. The Need and Purpose Statement in the original Concept Report did not clearly state the proposed laneage for this project and it has been revised accordingly. Other statements concerning the proposed typical section have also been revised. In addition, the proposed layout striping was changed to more clearly represent the proposed design.

If you have any questions concerning this report, please call Glenn Bowman or Mike Lobdell at 404-656-5441.

JPP:MAL
Attachments

Distribution w/attachment:

David Mulling, P.E.
Harvey D. Keepler
Marion Waters, P.E.
Marta V. Rosen
Herman Griffin, P.E.
Steve Henry
Paul Liles, P.E.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Urban Design

Project Number: BRSLB-9092(1)

County: DeKalb

P. I. Number: 752930

Federal Route Number: N/A

State Route Number: N/A

**PROJECT CONCEPT REPORT
Bouldercrest Road/C.R. 5187 @ South River**

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 6/21/01

DATE 10/29/01

Glen Bowman
Project Manager
Frank P. Bell
State Urban Design Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Engineering Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

District Engineer

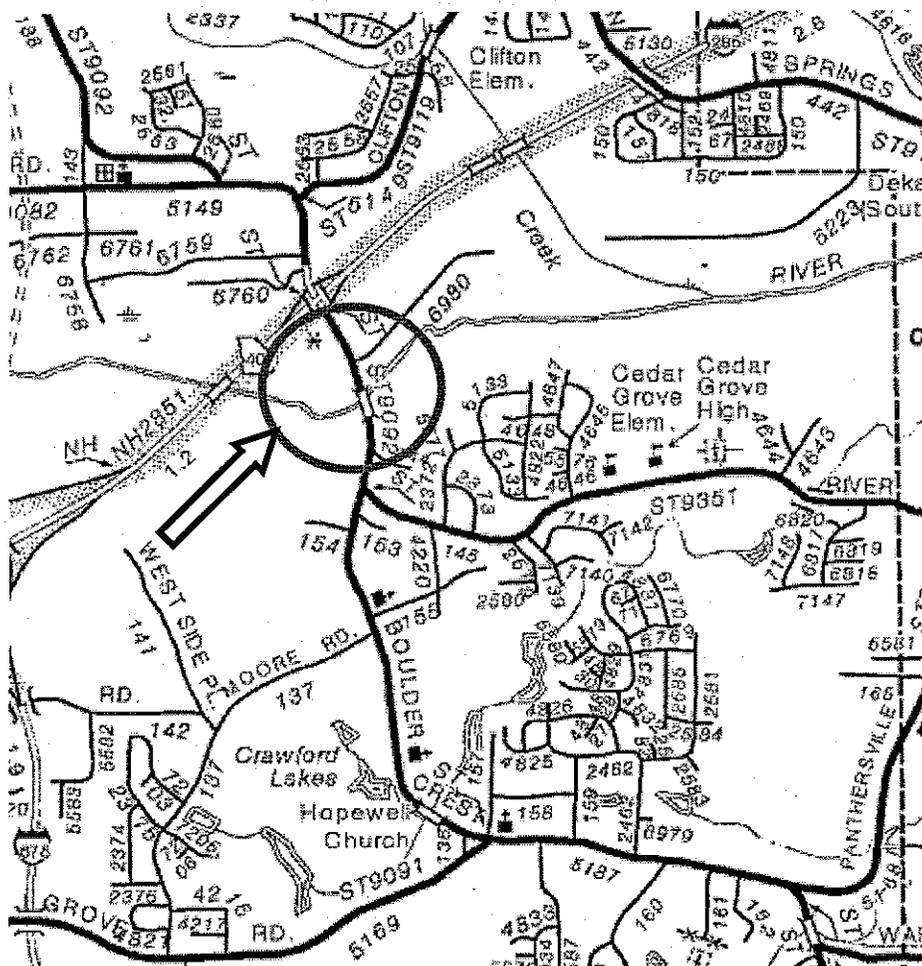
DATE _____

State Bridge and Structural Design Engineer

DATE _____

Project Review Engineer

PROJECT LOCATION MAP



Project No.: BRSLB-9092(1) P.I. No.: 752930
Description: Bouldercrest Road @ South River Bridge Replacement

Need and Purpose:

The Bouldercrest Road Bridge over the South River was constructed in 1938. It is 24 feet wide and 220 feet long. With a 8.3 sufficient rating, the bridge is operating approximately 40% below legal load limit.

The purpose of this project is to replace the load-limited bridge with a new bridge meeting current design standards. The new bridge will provide one 12-foot wide travel lane and one 4-foot wide bike in each direction with 6-foot wide sidewalks on both sides. Additional bridge width will be provided to accommodate safe lane tapers from the existing roadway, and the bridge span will also accommodate a shared-use path facility underneath as requested by DeKalb County. Projected traffic volumes for the year 2026 are 34,050 VPD.

Description of the proposed project:

This project proposes to replace the Bouldercrest Road Bridge over the South River in DeKalb County. The South River Bridge is located approximately 1700 feet south of I-285. The proposed improvements begin at Boulder Ridge Parkway (800 feet south of the river) and end approximately 800 feet north of the river at Industrial Drive. The total proposed length of the project is 0.30 mile. The proposed bridge will be stage constructed on a shifted alignment east of the existing bridge to maintain traffic and tie into the proposed alignment for project IM-NH 285-1(352), I-285 and Bouldercrest Road interchange improvements.

Is the project located in a Non-attainment area? Yes No
The proposed concept is in agreement with the conforming plan description.

PDP Classification: Minor

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: (2006) 18,900 ADT Design Year: (2026) 34,050 ADT

Existing design features:

- **Typical Section:**
The existing roadway has two 10-foot wide lanes with rural shoulders.
- Posted speed: 45 mph Maximum degree of curvature: 5°45
- Maximum grade: 6.5%
- Width of right of way: Varies
- Major structures: Concrete Bridge overlaid with asphalt – Timber Piles

ID #089-0147-0

- Major interchanges or intersections along the project: South River

Proposed Design Features:

- **Proposed typical section(s):** The proposed roadway will consist of three 12-foot lanes (one 12-foot travel lane in each direction plus an additional 12' for lane tapers) with 4-foot wide bike lanes, and curb and gutter with 5-foot wide sidewalks (6-foot wide across bridge) on each side.
- **Proposed Design Speed Mainline:** 45 mph
- **Proposed Maximum grade Mainline:** 5.0% **Maximum grade allowable:** 6.5 %
- **Proposed Maximum grade Side Street:** 3.0% **Maximum grade allowable:** 6.5 %
- **Proposed Maximum degree of curve:** 4°15' **Maximum degree allowable:** 8.0°
- **Right of way**
 - **Width:** Additional right-of-way on the east side of the road will be required
 - **Easements:** Temporary (), Permanent (X), Utility (), Other (X)
 - **Type of access control:** Full (), Partial (), By Permit (X), Other ()
 - **Number of parcels:** 6 **Number of displacements:** 0
 - **Business:** 0
 - **Residences:** 0
 - **Mobile homes:** 0
 - **Other:** 0
- **Structures:**
 - Bridges – One 235'± x 60' wide (see comments)
 - Retaining walls – None Anticipated
- **Major intersections and interchanges:** South River
- **Traffic control during construction:** Maintain existing traffic patterns with staged construction on shifted alignment

Design Exceptions to controlling criteria anticipated: None

	UNDETERMINED	YES	NO
HORIZONTAL ALIGNMENT:	()	()	(X)
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)
VERTICAL CLEARANCE:	()	()	(X)
BRIDGE WIDTH:	()	()	(X)
BRIDGE STRUCTURAL CAPACITY:	()	()	(X)

- **Design Variances:** None Anticipated
- **Environmental concerns:** To be investigated. Anticipate COE 404 Permit.

Bridge was constructed in 1938 and will be studied for historic eligibility. Do not anticipate any UST, hazardous waste, etc. impacts.

- **Level of environmental analysis:**
 - Are Time Saving Procedures appropriate? Yes (X), No (),
This is a minor project requiring a Categorical Exclusion and minor right-of-way impacts
 - Categorical exclusion (X),
 - Environmental Assessment/Finding of No Significant Impact (FONSI) (), or
 - Environmental Impact Statement (EIS) ().
- **Utility involvement:** GA Power, Gas and Water Line.

Project responsibilities:

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

Coordination

- Concept meeting- Was held for Project IM-NH-285-1(352) and a layout similar to the proposed design for Project BRSLB-9092(1) was discussed.
- P. A. R. meetings, dates and results- Not Applicable
- FEMA, USCG, and/or TVA- FEMA regulated floodway - No-rise certification is anticipated.
- Public involvement – A Public Information Meeting was held on 3/27/01 for projects IM-NH-285-1(352) and BRSLB-9092(1) in DeKalb County. Very few attendees opposed the Bouldercrest Road bridge replacement at the South River. Comments focused on the following: (1) Construction needs to start sooner; (2) Truck traffic; (3) Widening should extend southerly to at least Boulder Ridge Parkway and preferably to River Road.
- Local government comments – DeKalb County requested accommodations for a shared-use path facility under bridge. Included in local bike/ped. plan.
- Other projects in the area – IM-NH-285-1(352), I-285 @ Bouldercrest Road, P.I. No. 713300, DeKalb County.
- COE 404 Permit will be required.

Scheduling – Responsible Parties' Estimate

- | | |
|--|----------|
| • Time to complete the environmental process: | 4 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 |

Project Concept Report pag.
Project Number: BRSLB-9092(1)
P. I. Number: 752930
County: DeKalb

- 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

Other alternates considered: 1) Shifted alignment to tie into proposed Bouldercrest Road and I-285 Interchange project and provide for staged construction; 2) No Build.

Comments: The proposed bridge will be constructed with two travel lanes (one in each direction) and additional width (12') in order to provide for safe lane transitions. In addition, the proposed design does not preclude laneage proposed under Project IM-NH-285-1(352), I-285 @ Bouldercrest Road that is proposed for construction in FY 2003.

Attachments:

1. Cost Estimates
2. Sketch location map
3. Typical sections
4. Bridge Inventory
5. Location and Design Notice
6. Concept Meeting Minutes
7. Conforming plans network schematics
8. Accident summaries
9. Project Layout

PRELIMINARY COST ESTIMATE

DATE: July 10, 2001 PREPARED BY: The LPA Group, Inc.
 PROJECT NO.: BRS LB-9092(1)
 P.I. NO.: 752930 LENGTH: 0.28 Kilometers (0.17 Miles)

PROJECT DESCRIPTION: Bouldercrest Road/C.R. 5187 @ South River

PROPOSED CONCEPT: The proposed bridge will be approx. 62'5" wide by 235' in length. The bridge and roadway approaches will accommodate one 12' wide travel lane and one 4' wide bike lane in each direction plus 12' of additional pavement turn/taper area. 12' wide shoulders including curb and gutter and 5' wide sidewalks will also be provided along both sides of the roadway.

EXISTING ROADWAY: C.R. 5187
 TRAFFIC: Base: 18,900 ADT (2006) Design: 34,050 ADT (2026)

() PROGRAMMING PROCESS (x) CONCEPT DEVEL. () DURING PROJ DEVEL.

PROJECT COSTS

PRELIMINARY COST ESTIMATE: BRS LB-9092(1)

A. RIGHT OF WAY

1. Property (Land & Easement)	<u>\$35,000</u>
2. Displacements; Res: 0, Bus: 0, M.H.: 0	<u>\$0</u>
3. Other Cost (Adm./Cost, Inflation)	<u>\$10,000</u>
Subtotal: A	<u>\$45,000</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;	14,664 sft	@ \$65 sft	<u>\$953,160</u>

Project Concept Report pag.
 Project Number: BRSLB-9092(1)
 P. I. Number: 752930
 County: DeKalb

	c. Detours Bridges;				\$0
	d. Box Culverts;	(None)			\$0
	e. Removal of existing bridge;				\$50,000
				Subtotal: C-1	\$1,003,160
2. Grading and Drainage:					
	a. Earthwork;	14,000 cy	@ \$4 cy		\$56,000
	b. Drainage;				
	1) Cross Drain Pipe (exclude box culverts)		(None)		\$0
	2) Curb and Gutter		(None - Rural)		\$0
	3) Longitudinal System (include catch basins)		(None - Rural)		\$0
				Subtotal: C-2	\$56,000
3. Base and Paving					
	a. Aggregate Base;	(9,360 syd	@ \$12 tn)		\$112,320
	b. Asphalt Paving;				
	1) Surface (773 tons	@ \$47 tn)		\$36,331
	2) Binder (1,030 tons	@ \$47 tn)		\$48,410
	3) Base (1,543 tons	@ \$45 tn)		\$69,435
	c. Concrete Paving;	(107 syd	@ \$100 syd)		\$10,700
	d. Other;	(None)			\$0
				Subtotal:C-3	\$277,196
4. Lump Items:					
	a. Traffic Control;				\$40,000
	b. Clearing & Grubbing;				\$10,000
	c. Landscaping;				\$0
	d. Erosion Control;				\$20,000
				Subtotal: C-4	\$70,000
5. Miscellaneous:					
	a. Lighting;		(None)		\$0
	b. Striping - (5 in yellow);	5700 ft	@ \$0.50 ft)		\$2,850
	c. Striping - (5 in white);	5700 ft	@ \$0.50 ft)		\$2,850
	d. Guardrail				\$20,000
	e. Sidewalk - Median Barrier;				\$0
				Subtotal: C-5	\$25,700
6. Special Features					
	(None)			Subtotal: C-6	\$0

A. Right-of-Way \$45,000.00

B. Reimbursable Utilities \$30,000.00

C. Construction

1. Major Structures \$1,003,160.00

2. Grading and Drainage \$56,000.00

3. Base and Paving \$277,196.00

4. Lump Items \$70,000.00

5. Miscellaneous \$25,700.00

6. Special Features \$0.00

Subtotal Construction Cost \$1,432,056.00

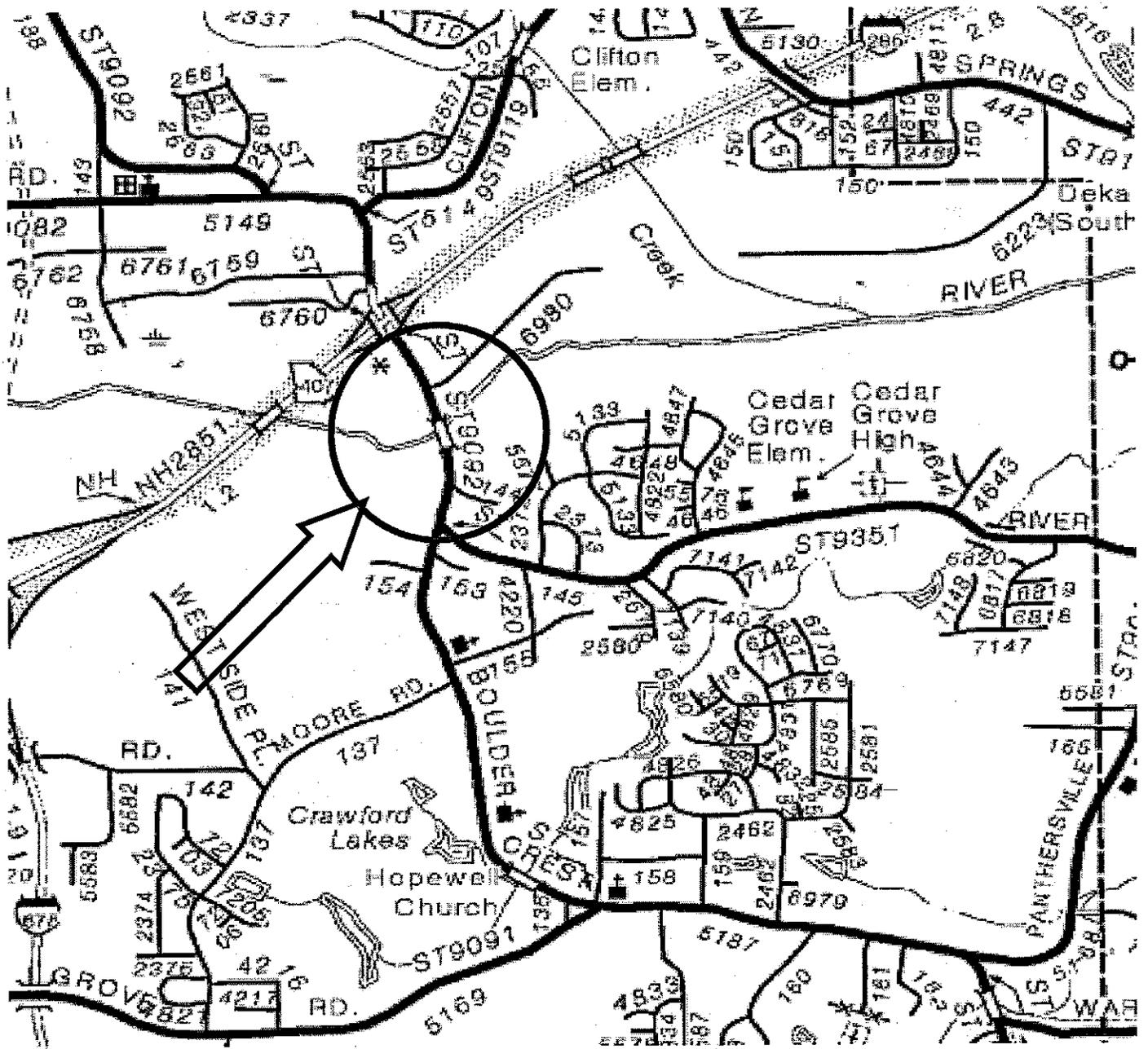
E & C (10%) \$143,205.60

Inflation (5% per year) \$131,086.84

Number of Years 2

Total Construction Cost \$1,706,348.44

GRAND TOTAL PROJECT COST \$1,781,348.44



SKETCH LOCATION MAP
Bouldercrest Road/C.R. 5187
@ South River

1--- 1: LOCATION AND GEOMETRIC DATA 16-JAN-2001
 BRIDGE IN DEKALB COUNTY | SERIAL NUMBER : 0147-0
 ----- FACILITY CARRIED ----- | YEAR CONSTRUCTED : 1938
 BOULDERCREST ROAD | YEAR RECONSTRUCTED: None
 ----- LOCATION ----- | DATE INSEPECTED : September 2000
 .5 MI S OF INT I-285 | DESIGN LOAD : H-15
 ----- FEATURES INTERSECTED ----- | NATIONAL TRUCK RTE: OFF NETWORK
 SOUTH RIVER | SCHOOL BUS ROUTE : YES
 TYPE SERVICE ON : Highway
 TYPE SERVICE UNDER: Waterway.
 STRUCTURE : Continuous Steel Stringer Multi-beam; Girder
 SURFACE : Bituminous.
 DECK : Concrete
 MAIN SUPPORT: Steel
 SUBSTRUCTURE: Timber; Concrete
 FOUNDATION : Multiple combinations.
 --- 2: SIGNS AND ATTACHMENT DATA
 GUARDRAIL REAR : Both sides, approach and continuous.
 GUARDRAIL FORWARD : Both sides, approach and continuous.
 GUARDRAIL REAR OPP DIR: None.
 GUARDRAIL FOR. OPP DIR: None.
 --- 3: PROGRAMMING DATA
 CONTRACT DATE : 02/01/01
 RANKING NUMBER : 0 Priority rating
 TOTAL PROJECT COST: \$593,000 (1990 IMPROVEMENT COST ESTIMATE)
 LAST PROJECT # : UNKNOWN
 PROPOSED PROJECT #: BRSLB-9092 (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: MEASURMENT DATA
 NUMBER OF LANES ON: 2 UNDER: 0
 STRUCTURE LENGTH : 220 FT BRIDGE ROADWAY WIDTH: 24.0 FT
 CLEARANCE (FT-IN) : OVER: 99-99 UNDER: 00-00 HORIZONTAL: 24.0 FT
 SIDEWALK OR CURB : None found.
 BRIDGE RAILING : Does not meet current or construction date standards.
 APPROACH GUARDRAIL: Meets acceptable construction date standards.
 --- 6: RATING DATA
 INVENTORY : Indefinite safe use HS loading of 14 tons.
 OPERATING : Over 39.9% below legal load limit.
 SUFFICIENCY : 8.3
 STRUCTURE : Intolerable requiring high priority of replacement.
 DECK : SATISFACTORY, structural elements show minor deterioration.
 MAIN SUPPORT: GOOD, some minor problems.
 SUBSTRUCTURE: POOR, advanced section loss, deterioration, spalling, scour.
 SCOUR : NEGLIGIBLE - structure function unaffected.
 CHANNEL PROT: Banks protected, controls and protection stable.
 --- 7: POSTING DATA
 STRUCTURE POSTED : Posted for load.
 TEMPORARY POSTING: No temporary conditions exist.
 ACTUAL POSTINGS : [H: 09 TONS] [TR: NP TONS] [3S2: 20 TONS]

GEORGIA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Report

District: 7
Bridge Inspector: DAS
Location ID: 089-09092M-001.50N
Structure ID: 089-0147-0

Inspection Date: 09/01/98
Over: SOUTH RIVER
County: DeKalb
Road Name: BOULDERCREST ROAD
EVALUATION & DEFICIENCIES

Inspection Area: 07
Bridge Status: 06

SubStructure:

Year Painted: 0000

Abutment # 1 is concrete cap.

Bents # 2 & 3 are concrete piers.

Bents # 4,5,6,7,8 & abutment # 9 are all timber - Caps and piles.

Minor crack at bent #3 right.

Timber piles are in fair to satisfactory condition.

SuperStructure:

Year Painted: 1977

Eight spans steel beams.

Simple and continuous spans.

Corrosion and minor section loss.

Beams # 1,2 & 3 at bent # 3 are shimmed.

Deck:

6" Concrete deck with 1.5" asphalt overlay.

Minor deck sag at bent # 3 left in south bound lane. Needs to be watched.

Minor cracks and asphalt breaking up at joints. 1' x 5' At bent # 4 in overlay of south bound lane

General:

Built in 1938. H - 15 design. Project # Unknown.

Minor deck sag at bent # 3 left in south bound lane. Needs to be watched.

Minor cracks and asphalt breaking up at joints. 1' x 5' At bent # 4 in overlay of south bound lane

Corrosion and minor section loss.

Beams # 1,2 & 3 at bent # 3 are shimmed.

Minor crack at bent #3 right.

Timber piles are in fair to satisfactory condition.

Guard rail as hand rail on both sides with scattered damage and several concrete post demolished.

- Repairs : Clean and paint all steel beams and bearings.
- : Patch pothole at bent # 4 in south bound lane.
- : Repair all hand rail damage.

GEORGIA DEPARTMENT OF TRANSPORTATION
Bridge Inspection Report

EVALUATION & DEFICIENCIES

Condition Rating

Component	Material	Rating
Substructure	Concrete,timber	4
Superstructure	Steel	7
Deck	Concrete	6

Temp Shored: **No**

Truck Type	Gross/H-Mod	HMod	Tand	3-S-2	Log	Piggy
Calculated Posting	09	15	11	20	16	00
Posting Required	X	X	X	X	X	
Existing Posting	09	15	11	20	16	00

*** School Bus Route ****

Structure Requires Posting

Structure ID: 089-0147-0

Location & Geography

* Structure I.D. No.: 089-0147-0
 * 200 Bridge Information: 06
 * 6A Feature Int.: SOUTH RIVER
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: CR05187
 * 7B Facility Carried: BOULDERCREST ROAD
 * 9 Location: .5 M I S OF INT I-285
 2 DOT District: 7
 207 Year Photo: 1998

* 91 Inspection Frequency: 24 Date: 09/01/1998
 92A Fract Crit Insp Freq: 0 00 Date: 0000
 92B Underwater Insp Freq: 0 00 Date: 0000
 92C Other Spc. Insp Freq: 0 00 Date: 0000

* 4 Place Code: 00000

* 5 Inventory Route (O/U): 1
 Type: 5
 Designator: 1
 Number: 09092
 Direction: 0

* 16 Latitude: 33-40.8
 * 17 Longitude: 084-18.5

98 Border Bridge: 000 %Shared: 00
 99 ID Number: 0000000000000000

* 100 Defense Highway: 0
 * 101 Parallel Structure: N
 * 102 Direction of Traffic: 2
 264 Road Inventory Mile Post: 004.01

* 208 Inspection Area: 07 Initials: DAS
 * Location I.D. No: 089-09092M-001.50N
 * XReferen I.D. No: 000-0000000-000.000

DeKalb County

SUFF. RATING: 8.3

Signs & Attachments

* 104 Highway System: 0
 * 26 Functional Classification: 16
 * 204 Federal Route Type: M No: 09092
 * 110 Truck Route: 0
 206 School Bus Route: 1
 217 Benchmark Elevation: 0.00
 218 Datum: 0
 * 19 Bypass Length: 4
 * 20 Toll: 3
 * 21 Maintenance: 02
 * 22 Owner: 02
 * 31 Design Load: 2
 37 Historical Significance: 5
 205 Congressional District: 05
 * 27 Year Constructed: 1938
 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: 1
 * 42 Type Service On: 1 Under: 5
 214 Movable Bridge: 00
 203 Type Bridge: O-K-M-O
 259 Pile Encasement: 3
 * 43 Structure Type Main: 4 02
 45 No. Spans Main: 002
 44 Structure Type Appr: 3 3
 46 No. Spans Appr: 0006
 226 Bridge Curve Horz: 0 Vert: 0
 111 Pier Protection: 0
 107 Deck Structure Type: 1
 108 Wearing Surface Type: 6 Membrane: 0 Protection: 0
 223 Expansion Joint Type: 02
 242 Deck Drains: 1
 243 Parapet Location: 0
 Height: 0
 Width: 0
 238 Curb: 1.01
 239 Handrail: 5.5
 * 240 Median Barrier Rail: 0
 241 Bridge Median Height: 0
 Width: 0
 * 230 Guardrail Loc Dir Rear: 6
 Fwrd: 6
 Oppo Dir Rear: 0
 Fwrd: 0
 244 Approach Slab: 3
 224 Retaining Wall: 0
 233 Posted Speed Limit: 50
 236 Warning Sign: 0
 234 Delineator: 0
 235 Hazard Boards: 1
 237 Utilities Gas: 31
 Water: 32
 Electric: 00
 Telephone: 22
 Sewer: 22
 247 Lighting Street: 0
 Navigation: 0
 Aerial: 0
 * 248 County Continuity No: 00

Report Date: 01/10/2000

SIA - 1

Programming Data

201 Project No: UNKNOWN
 202 Plans Available: 0
 249 Prop. Proj No: BRSLB-9092 (1)
 250 Approval Status: 0000
 251 P.I. No: 752930
 252 Contract Date: 02/01/2001
 260 Seismic No: 00000
 75 Type Work: 31 1
 94 Bridge Imp. Cost: \$ 393
 95 Roadway Imp. Cost: \$ 110
 96 Total Imp. Cost: \$ 593
 76 Imp. Length: 000431
 97 Imp. Year: 1990
 114 Future ADT: 017100 Year: 2017

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0000.0 Year: 0000
 Flood Elev: 0000.0 Freq: 00
 Avg. Streambed Elev: 0000.0
 Drainage Area: 00000
 Area of Opening: 6
 113 Scour Critical: 01.6 Br Height: 25.8
 216 Water Depth: 1
 222 Slope Protection: 0 Fwd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No Barrels: 0
 Width: 0.0
 Height: 0.0
 Length: 0
 Apron: 0
 * 265 U/W Insp. Area: 0 Diver: ZZZ
 * Location I.D. No: 089-09092M-001.50N
 * XReferen I.D. No: 000-000000-000.000

Measurements

* 29 ADT: 011400 Year: 1997
 109 % Trucks: 11
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0050
 * 49 Structure Length: 220
 51 Br. Rdwy. Width: 24.0
 52 Deck Width: 27.0
 * 47 Tot. Horz. Cl: 24.0
 50 Curb/Sdewlk Width: 0.0/0.0
 32 Approach Rdwy Width: 020
 * 229 Shlder Width:
 Rear Lt: 6.0 Type: 8 Rt: 6.0
 Fwd Lt: 6.0 Type: 8 Rt: 6.0
 Pvmnt Width:
 Rear: 20.0 Type: 2
 Fwd: 20.0 Type: 2
 Intersection Rear: 0 Fwd: 1
 36 Safety Features Br. Rail: 3
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 * 53 Minimum Cl. Over: 99' 99"
 Under: N 00' 00"
 * 228 Min. Vert. Cl
 Act. Odm. Dir: 99' 99"
 Oppo. Dir: 99' 99"
 Posted Odm. Dir: 00' 00"
 Oppo. Dir: 00' 00"
 55 Lateral Undercl. Rt: N 99.9
 56 Lateral Undercl. Lt: 0.0
 * 10 Max Min Vert Cl: 99' 99" Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 6.0
 Deck Thick Approach: 6.0
 246 Overlay Thickness: 1.5
 211 Tons Structural Steel: 0.0
 212 Year Last Painted: Sup: 1977 Sub: 0000

Ratings

66 Inventory Type: 2 Rating: 14
 64 Operating Type: 2 Rating: 18
 231 Calculated Loads
 H-Modified: 09 1
 HS-Modified: 15 1
 Type 3: 11 1
 Type 3s2: 20 1
 Timber: 16 1
 Piggyback: 00 0
 261 H Inventory Rating: 09
 262 H Operating Rating: 12
 67 Structural Evaluation: 2
 58 Deck Condition: 6
 59 Superstructure Condition: 7
 * 227 Collision Damage: 0
 60A Substructure Condition: 4
 60B Scour Condition: 8
 60C Underwater Condition: N
 71 Waterway Adequacy: 9
 61 Channel Protection Cond: 8
 68 Deck Geometry: 2
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 8
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 0
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: 0
 232 Posted Loads H-Modified: 09
 HS-Modified: 15
 Type 3: 11
 Type 3S2: 20
 Timber: 16
 Piggyback: 00
 253 Notification Date: 05/02/1996
 253 Fed Notify Date: 0000 0

NOTICE OF LOCATION AND DESIGN APPROVAL

**Project No. BRSLB-9092 (1), DeKalb County
P.I. No. 752930**

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.

This project consists of improvements of C.R. 5187/Bouldercrest Road over the South River, located in DeKalb County, 15th Land District, and Land Lot 53. The improvement project includes replacing the existing bridge over the South River and widening the roadway to accommodate one 12' travel lane and one 4' bike lane in each direction with turn lanes as required. Curb and gutter shoulders and sidewalk are also included on both sides of the road as a part of the proposed design. The project begins at the Bouldercrest Road/Boulder Ridge Parkway/Powhatan Road intersection and ends at the Bouldercrest Road/Industrial Drive intersection.

Date of Location Approval: AUGUST 14, 2001

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

Any written request in reference to this notice should include the Project and P.I. Numbers as noted at the top of this notice and may be referenced to:

Joseph P. Palladi, P.E.
State Urban Design Engineer
Georgia Department of Transportation
No. 2 Capitol Square
Room 356
Atlanta, Georgia 30334



**Parsons
Brinckerhoff**

3340 Peachtree Road, NE
Suite 2400, Tower Place
Atlanta, GA 30326-1001
404-237-2115
Fax 404-237-3015

Memorandum of Meeting

Date: October 18, 2000

Date of Meeting: September 19, 2000

Project: IM-NH-285-1(352), PI No. 713300
PBQD Project No. 15846A Work Order #51

Purpose of Meeting: Concept Team Meeting

Meeting Location: GDOT Urban Design Conference Room 1:30 pm.

Attendees: Joe Palladi, GDOT, Urban Design Office
Glenn Bowman, GDOT, Urban Design Office
Daveitta Jenkins, GDOT, Urban Design Office
Kim Phillips, GDOT, Urban Design Office
Robert Holmes, GDOT, Urban Design Office
Donald Mills, GDOT, Planning
David Mulling, GDOT, Review Services
Mike Malcom, GDOT, Dist. 7 Preconstruction
Darlene Parker, GDOT, Dist. 7 Utilities
Katie Mullins, GDOT, Programming
Tim Smith, GDOT, Traffic Operations
John Hutton, GDOT, Environment/Location
Richard Williams, GDOT, Environment/Location
Jerry Wylie, GA. Power Co.
Sev Burkhalter, Bell South
Jack Kovalski, AT&T Broadband
Daniel Hall, Dekalb Public Works
John Gurbal, Dekalb Public Works
David Pelton, Dekalb Public Works
Roger Palmer, Parsons Brinckerhoff
Bill Ferguson, Parsons Brinckerhoff
Sean Johnston, Parsons Brinckerhoff
Michael Penic, Parsons Brinckerhoff
Jim Graybeal, Parsons Brinckerhoff

Distribution: Attendees

Jimmy Chambers, GDOT, Consultant Design Services
Dom Saulino, Parsons Brinckerhoff
Terry Kazmerzak, Parsons Brinckerhoff
Herman Griffin, GDOT Programming
Walter Boyd, FHWA



Discussion:

1. Introductions and welcome's were presented by Daveitta Jenkins. She indicated that a "sign- in " sheet was being passed around for everyone to sign. She identified Parsons Brinckerhoff as the consulting firm hired by the Department to provide the concept for the project. Daveitta then turned the meeting over to Bill Ferguson, with PB.
2. Bill began by providing opening comments and orientation of the concept layout drawing developed by PB. Bill discussed the project description and location with regards to project lengths and proposed interchange improvement. He stated that the project consisted of 0.8 miles of construction on Bouldercrest and 2 miles of construction on I-285. He stated that the existing 2006 and the design year 2026 traffic volumes were developed by Greenhorne & O'Mara, a sub consultant to PB. He indicated that the accident history data furnished by DOT shows the accident rate through the project limits to be about twice as high as the statewide average. Don Mills briefly introduced the need and purpose statement. Bill indicated that PB would get with the planning office to revise the traffic volumes shown in the statement. Bill turned the meeting over to Michael Penic.
3. Michael stated that Greenhorne & O'Mara, a PB sub consultant working on the project, prepared the initial traffic study. Mike went over a traffic volume diagram showing the projected ADT volumes. He pointed out the operational deficiencies in the existing interchange and congestion on the bridge related to level of service and also indicated that the interchange would experience unacceptable levels of service in year 2007; Bouldercrest Road in year 2011; and weaving movements between the ramps and I-675 in 2014. He said that the accident rates along Bouldercrest Road are significant and stated that better access management along Bouldercrest is proposed. Utilizing properly spaced median openings is essential. He stated that the existing signalized intersections north of I-285 would be upgraded and that no signals were proposed on the south side of I-285. Signals would be placed at ramp terminals, Constitution Road and Clifton Church Road. By closing up the median at Continental Way, the project limits were pushed north to the intersection of Bouldercrest and Constitution Blvd. to provide access for large trucks. Michael discussed the need for a ten (10) lane wide bridge (3 thru lanes, 2 left turn in each direction) based on the projected traffic volumes and the large volume of trucks turning at the ramp intersections. Michael stated that the existing four (4) lanes on the bridge simply would not provide enough storage space for the turning volumes. Michael discussed briefly the other interchange design alternates that were considered with regards to partial cloverleaf designs and other diamond interchanges.



Minutes of Meeting
Page 3

4. Daveitta asked Mike to discuss the three lane ramps proposed for the I-675 braided ramps. Michael stated this was done to provide some years of design life in the proposed ramp bridges that sometimes have a service life of around fifty (50) years.
- 4a. Mike mentioned that turn radii for trucks are accommodated at the interchange. He also stated that 3 lanes are needed through the heart of the interchange to get proper phase timing, and that four lanes interfered with signal phasing to feed and store left turns at the on and off ramps.
5. Mike then turned the meeting back over to Bill Ferguson who continued to address the design items and issues covered in the draft concept report. Bill addressed the R/W impacts with regards to required limits of 150 to 180 feet of R/W needed along Bouldercrest Road and 300 to 1300 feet of R/W needed in the areas of the braided I-675/I-285 ramps. Bill indicated that three (3) businesses would be displaced by the project: a service station, a tire service store and the rest of a motel already partially removed. He discussed the controlled access along Bouldercrest Road and the 100 to 300 feet of limited access beyond each ramp radii proposed at the ramp intersections and Bouldercrest Road. A nationwide 404 permit will be required for this, and individual permits were discussed. He stated that there would be approximately 35 parcels of R/W to acquire. It was stated that staging will be necessary since traffic must be maintained during construction. A Public Information Meeting and a Public Hearing will be required on the project. In addition, a design exception will be required for the existing 6.75 ft inside shoulder on I-285 and the existing 9 degree 30 minute curve between Clifton Church and Bouldercrest Road. Bill discussed a possible UST and Hazardous Waste site involvement at an apartment complex and dry cleaning business, respectively, along the project that might be affected by additional R/W requirements. Bill summarized the project costs as follows: \$20 million construction, \$10 million R/W, for a total project cost of approximately \$30 million.
6. Bill turned the meeting back over to Daveitta Jenkins. Daveitta ask the Office of Programming about the project schedule. Katie Mullins stated that the current let date for the project is July 2001, but that probably needed to be revised to reflect a 2001 R/W and 2002 construction date. Mr. Mulling asked about the south bridge over the South River on Bouldercrest Road. Daveitta asked the Dekalb County representatives about their schedule for the bridge over the South River on Bouldercrest Road. Mr. Mulling suggested the 2 lane bridge replacement will need to be coordinated w/ county project.
- 6a. Bill asked if it was possible to get the bridge replacement in the project. It was stated that the interchange project did not appear to require additional through lanes on the bridge over the south river and the current modeled bridge replacement project could only replace the existing number of through lanes. Since the two projects do overlap because of tapers, close coordination will be required.



7. John Gurbal with Dekalb County stated that the bridge project had a 2001 let date. He also indicated that the County plans to secure a Consultant by the middle of October to begin the concept work. He said that preliminary thoughts were to shift the alignment and construct a new bridge, but that the plan was only to replace the two lane bridge with two lanes. Daveitta indicated that the County's design will need to be reviewed to establish how it will influence the interchange design.
8. Michael Penic was asked to discuss the required lanes for I-285 under the Bouldercrest Road overpass. Based on the year 2026 forecasts, the Bouldercrest overpass will need to span two eastbound accelerations lanes from I-675, one westbound auxiliary lane to I-675, four general use lanes in each direction, and one HOV (carpool) lane in each direction on I-285. These features would not be precluded by the proposed design. This is a total of 13 lanes. If a two span structure is used with piers in the median, the bridges should span seven lanes of eastbound I-285 and six lanes of westbound I-285.
9. David Mulling asked if the proposed Bouldercrest Road bridge would accommodate future I-285 design. Bill Ferguson and Michael Penic stated that it would. David also ask if the proposed lanes line up through the intersection with the existing lanes on Constitution and Bouldercrest Road, and if "U-turns" would be permitted. Michael stated that the through lanes line up in the intersection and that "U-turns" could be made from the proposed signalized left turn lane. Tim Smith questioned if the westbound right would be free flow or a merge lane.
10. Tim questioned if the free flow right turn lane at the intersection of Constitution and Bouldercrest Road would have enough lane width to allow the right turn onto Bouldercrest or would a lane transition need to be developed to taper out the lane. Mr. Penic suggested that this should be studied in more detail in this area. Mr. Smith also asked if u-turns were provided at the apartments and Continental Way. The response was yes.
11. Richard Williams from the Environment/Location office stated that, previously a PAR was not needed, but it will now be required based on stream impacts shown on the proposed layout. Also, he indicated that the project would need a reassessment based on the realignments proposed and that an individual permit would be required.
12. Greenhorn and O'Mara's environmental assessment did not seem to account for wetlands where anticipated ramp braids are located.
13. Richard Williams asked if it had been determined if sound barriers would be required for this project as required on the Flat Shoals Road project. Bill Ferguson pointed out that a study would be required based on the approved alignment and concept.



14. Don Mills from the Office of Planning stated that the transportation model only provided for two (2) lanes, one in each direction, south of the interchange on Bouldercrest Road and four (4) lanes, two lanes in each direction, north of the interchange. Mr. Bowman said the FHWA had informed him that the coding in the RTP model must agree with the proposed design. Any differences would require that the project be placed on hold until the model is updated, in 2003 at the earliest. This was noted as a critical issue and further engineering analysis would probably be required. It was stated that the 2002 let date is a very aggressive schedule.
15. Daveitta Jenkins asked if any one was present from the Right-of-Way Office. No one was present.
16. The District Office representative had no comments.
17. Jerry Wylie with Georgia Power Company stated that they would have a reimbursable claim, mainly east of Bouldercrest, for distribution lines, since the Power Company had moved in 1960 for the freeway construction. He stated that most of their distribution lines would be affected by the proposed project. He said they can and will use higher poles if necessary. He also indicated they had additional easement in the area already. He said he would provide the district with a cost estimate. He also said they would accommodate signal attachments.
18. Sev Burkhalter with Bell South requested hanger/conduit space on the new bridge. He indicated that Bell South had joint use on the Ga. Power poles. He stated that it would be a total rebuild for their facility.
19. Jerry Wylie with Georgia Power Company stated that they preferred that the signal heads at the signalized intersections be attached to the power poles rather than on new stain poles.
20. Jack Kovalski with AT&T Broadband stated that their facilities were attached and riding the Ga. Power poles and that they would have the same conflicts as Bell South. AT&T will have all new coax and fiber to replace their existing facilities.
21. Darlene Parker with the District Utility Office requested that Georgia Power Company furnish a cost estimate for their facilities as soon as possible.
22. Glenn Bowman stated that the cost estimate needed to be transmitted to urban design for reimbursable and non-reimbursable utility conflicts for inclusion in the final concept report.



Minutes of Meeting
Page 6

23. John Gurbal with Dekalb County Public Works Department asked about the additional number of lanes added to Bouldercrest Road. He indicated that there is a neighborhood concern about additional traffic in the area. Historically they have fought added truck traffic. This may be of concern at a public meeting with the design shown. Continental Way Connector may encourage more traffic to use Bouldercrest Road to go north. He indicated that through the limits of the project the zoning is mixed use. The area closer to Moreland Ave is non-residential, but Bouldercrest Rd is mainly residential.
- 23a. It was noted that the neighborhood had wanted International to be cul-de-saced. The median openings, closure and rerouting of Continental Way was also noted. Truck traffic may be encouraged by these changes. The Dekalb County representative indicated that he was in favor of the new connector between Constitution and Continental because trucks could utilize this route instead of travelling further down Constitution and turning onto Industrial Park Drive.
24. John Gurbal recommended that the local business association should be contacted early about the proposed design. John also mentioned that a meeting with the people in the area to show the R/W impacts would be beneficial.
25. Bell South asked about the construction schedule.
26. Don Mills stated that it would be 2003 before any changes could be made to the RTP model and probably 2004 or 2005 before the proposed concept could be modeled. Without a temporary fix it would not be possible to make a 2001 R/W date.

Daveitta Jenkins stated that any additional comments to the meeting needed to be submitted within two weeks. Parsons Brinckerhoff is responsible for the official minutes. Daveitta then adjourned the meeting.

The foregoing is my understanding of the topics discussed. If you have any corrections or comments, please fax them to me at 404-237-3015.

Sincerely,

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
Dominic Saulino
Project Manager

*Over a Century of
Engineering Excellence*

ACCIDENT HISTORY ANALYSIS DATA (1995-1997)

The accident analysis indicates that this section of roadway experiences accident rates that are approximately two times higher than the statewide averages for similar roadways.

	1995	1996	1997
Total Accidents	54	69	52
Total Injuries	31	35	51
Total Fatalities	0	0	0
Accident Rate	889	1145	1025
Injury Rate	510	581	1005
Fatality Rate	0	0	0
Statewide Accident Rate	549	525	549
Statewide Injury Rate	263	246	249
Statewide Fatality Rate	1.39	1.56	1.41

* Note: Based on Rates for Urban Minor Arterial. Rates are Per 100 Million Vehicle Miles.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Urban Design

Project Number: BRSLB-9092(1)

County: DeKalb

P. I. Number: 752930

Federal Route Number: N/A

State Route Number: N/A

**PROJECT CONCEPT REPORT
Bouldercrest Road/C.R. 5187 @ South River**

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 6/21/01

DATE 10/29/01

Allen Bowman
Project Manager
Robert P. Bellodi
State Urban Design 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 Engineering Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE 7-5-01

Stephen T. Henry
District Engineer

DATE _____

State Bridge and Structural Design Engineer

DATE _____

Project Review Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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Allen Bowman
Project Manager
John P. Bell
State Urban Design Engineer

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DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Engineering Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

District Engineer

DATE 7/3/01

Paul V. Telen Jr.
State Bridge and Structural Design Engineer

DATE _____

Project Review Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Urban Design

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PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 6/21/01

DATE 10/29/01

Allen Bowman
Project Manager
Joseph P. Rocco
State Urban Design 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 Engineering Administrator

DATE _____
State Environmental/Location Engineer

DATE _____
State Traffic Operations Engineer

DATE _____
District Engineer

DATE _____
State Bridge and Structural Design Engineer

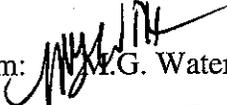
DATE 7/6/01
William J. Malby
Project Review Engineer

Department of Transportation State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRSLB - 9092 (1) / DeKalb County
P.I. No. 752930

Office: Traffic Operations
Atlanta, Georgia
Date: July 6, 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 above referenced concept report for the replacement of the structurally deficient bridge on Bouldercrest Road over the South River in DeKalb County. The project length is 0.30 miles.

The existing structure is 24 feet wide with a sufficiency rating of 8.3. The concept proposes to construct a new structure for two 12-foot travel lanes, a 14-foot auxiliary lane and 4-foot bicycle lanes. The current ADT is 18,900 vehicles and the design year ADT is projected to be 34,050 vehicles. The proposed bridge will be stage constructed on a shifted alignment east of the existing bridge to maintain traffic and tie into the proposed alignment for project IM-NH 285-1 (352), I-285 and Bouldercrest Road interchange improvements.

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, State Environment/Location Engineer
Joseph Palladi, State Urban Design Engineer
David Mulling, State Review Engineer, w/ attachment
Mart Rosen, State Transportation Planning Administrator
Paul Liles, State Bridge & Structural Design Engineer
Chuck Hasty, TMC
General Files

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Urban Design

Project Number: BRSLB-9092(1)

County: DeKalb

P. I. Number: 752930

Federal Route Number: N/A

State Route Number: N/A

**PROJECT CONCEPT REPORT
Bouldercrest Road/C.R. 5187 @ South River**

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 6/21/01

Allen Bowman

DATE 10/29/01

Project Manager
Frank P. Bellodi

State Urban Design 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 Engineering Administrator

DATE _____

State Environmental/Location Engineer

DATE 7/16/01

Maria Hester

State Traffic Operations Engineer

DATE _____

District Engineer

DATE _____

State Bridge and Structural Design Engineer

DATE _____

Project Review Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Urban Design

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PROJECT CONCEPT REPORT
Bouldercrest Road/C.R. 5187 @ South River

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 6/21/01

DATE 10/29/01

Allen Bowman
Project Manager
Frank P. Belcher
State Urban Design 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 8-1-01

Marta Rivera
State Transportation Planning Administrator

DATE _____

State Transportation Engineering Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

District Engineer

DATE _____

State Bridge and Structural Design Engineer

DATE _____

Project Review Engineer