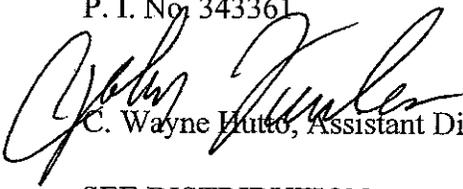


D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0532(12) Webster County
P. I. No. 343361
OFFICE Preconstruction
DATE October 30, 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

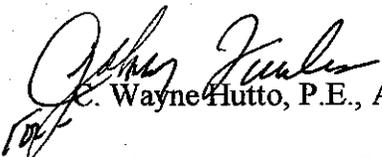
DISTRIBUTION:

Tom Turner
David Mulling
Harvey Keepler
Jerry Hobbs
Herman Griffin
Michael Henry
Phillip Allen
Marta Rosen
Paul Liles
Jimmy Chambers
Glenn Durrence
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-0532(12) Webster County **OFFICE** Preconstruction
P.I. No. 343361 **DATE** October 19, 2001

FROM  C. Wayne Hutto, P.E., Assistant Director of Preconstruction

TO Frank L. Danchetz, P.E., Chief Engineer

SUBJECT PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on SR 41 over Kinchafoonee Creek, 1.0 mile southwest of Preston, Georgia. The existing bridge, constructed in 1950, is load limited with a sufficiency rating of 40. State Route 41 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. Traffic is projected to be 1,300 VPD and 1,700 VPD in the years 2004 and 2024 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate SR 41 west of its present location, extending a total of 0.41 mile. The proposed new bridge will be 315' x 38' and will be located just west of the existing bridge structure. The relocated SR 41 will consist of two, 12' lanes with 10' rural shoulders (2' paved). Traffic will be maintained on the existing bridge while the proposed bridge is constructed.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; 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) | \$1,467,000 | \$1,100,000 | 2004 | 03-07 |
| Right-of-Way | \$ 10,000 | \$ 10,000 | | |
| Utilities* | LGPA | LGPA | | |

*City of Preston signed LGPA for utilities 8-25-99.

Frank L. Danchetz

Page 2

BRST-0532(12) Webster

October 19, 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: BRST-0532(12) Webster
P.I. Number 343361-

OFFICE: Engineering Services

DATE: October 10, 2001

FROM: *OTM*
David Mulling, Project Review Engineer

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT

We have reviewed the concept report submitted by the letter from James R. Chambers dated September 19, 2001, and have no comment.

The costs for the project are:

| | |
|------------------------|-------------|
| Construction | \$1,213,000 |
| Inflation | \$ 121,000 |
| E&C | \$ 133,000 |
| Reimbursable Utilities | \$ 30,000 |
| Right of Way | \$ 10,000 |

DTM

c: Jim Chambers – Office of Consultant Design

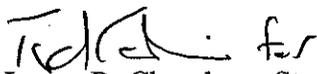
SCORING RESULTS AS PER MOG 2440-2

| | | | | | |
|---|--------------|---|---|---|--|
| Project Number: BRST-0532(12) | | County: WEBSTER | | PI No.: 343361- | |
| Report Date: 9/19/01 | | Concept By: DOT Office: CONSULTANT DESIGN | | | |
| <input checked="" type="checkbox"/> CONCEPT | | Consultant: LPA GROUP | | | |
| Project Type: Choose One From Each Column | | <input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor | <input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural | <input type="checkbox"/> ATMS <input checked="" type="checkbox"/> Bridge <input type="checkbox"/> Building <input type="checkbox"/> Interchange <input type="checkbox"/> Intersection <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous | |
| FOCUS AREAS | SCORE | RESULTS | | | |
| Presentation | 100% | | | | |
| Judgement | 100% | | | | |
| Environmental | 100% | | | | |
| Right of Way | 100% | | | | |
| Utility | 100% | | | | |
| Constructability | 100% | | | | |
| Schedule | 100% | | | | |

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

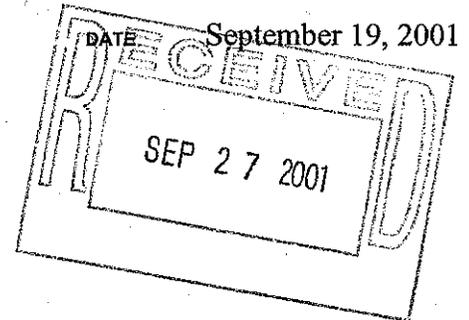
FILE **BRST-0532(12) Webster County**
SR 41 over Kinchafoonee Creek in SW Preston
P.I. No. 343361-

FROM 
James R. Chambers, State Consultant Design Engineer

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT **PROJECT CONCEPT REPORT**

OFFICE Atlanta



Attached is the original copy of the Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

Those on the distribution list below should review the Concept Report and send comments and/or the signature page to the Preconstruction Office within 10 days as per the PDP.

If you have any questions or require further information please call Otis Clark at (404) 463-6265 or Al Bowman of LPA Group, Inc. at (770) 263-9118.

Distribution:

- David Mulling, Project Review Engineer
- Harvey Keepler, State Environmental/Location Engineer
- Phillip Allen, State Traffic Safety and Design Engineer
- Marta Rosen, State Transportation Planning Administrator
- Herman Griffin, State Transportation Programming Engineer
- Glenn Durrence, District Engineer – Thomaston
- Paul Liles, State Bridge & Structural Engineer

JRC: OC

cc: LPA Group, Inc.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design

**PROJECT CONCEPT REPORT
SR 41 Over Kinchafoonee Creek**

Project Number: BRST-0532 (12)

County: Webster

P. I. Number: 343361

Federal Route Number: N/A

State Route Number: 41

PROJECT LOCATION MAP: See Page 2

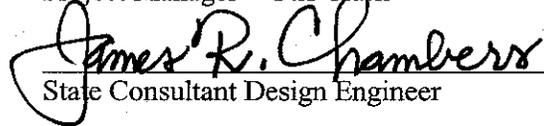
Recommendation for approval:

DATE 9-19-01

DATE 9-19-01



Project Manager - Otis Clark



State Consultant Design Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District 3 Engineer

DATE _____

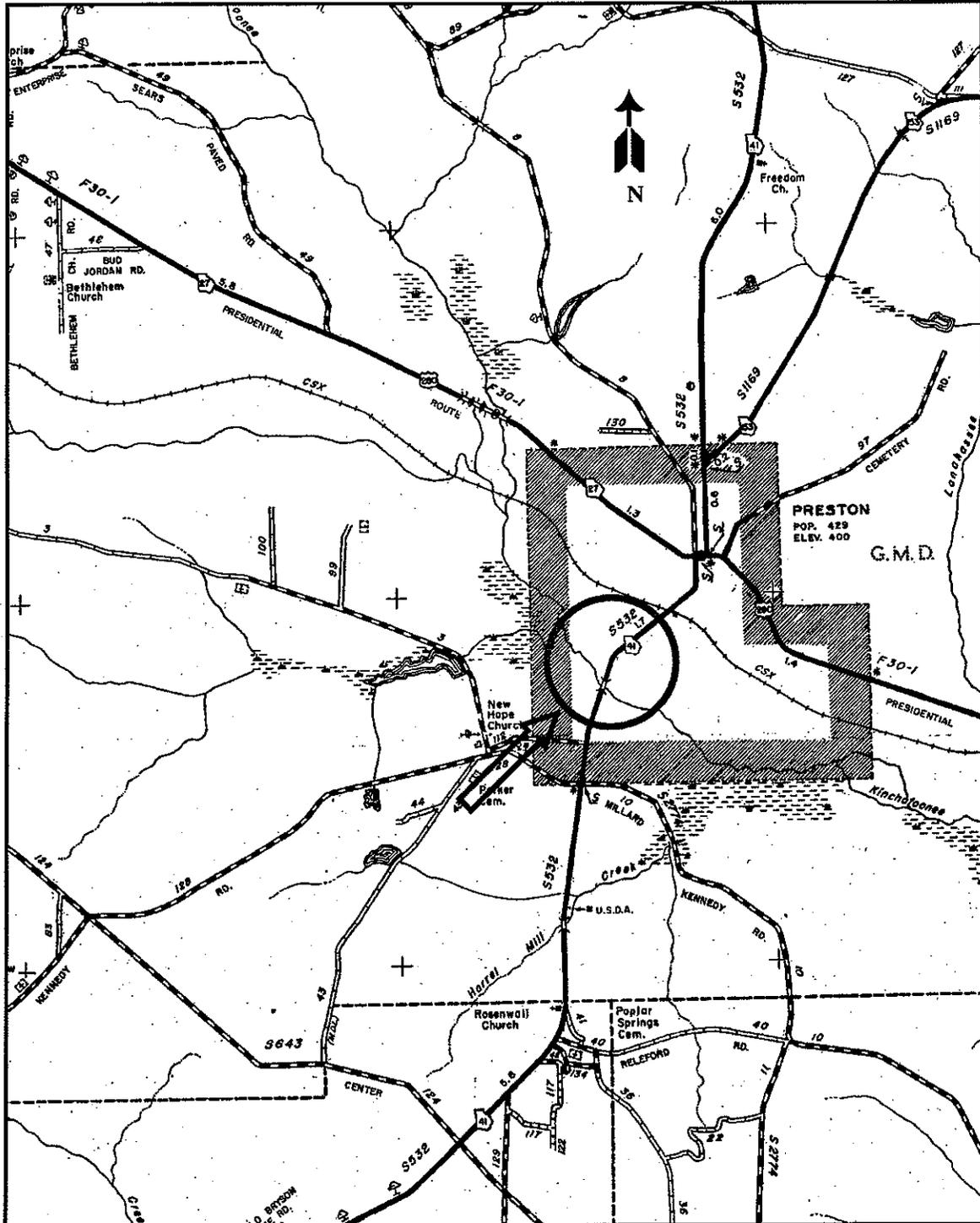
Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

Project Concept Report page 2
Project Number: BRST-0532 (12)
P. I. Number: 343361
County: Webster

PROJECT LOCATION MAP



Scale: 1 inch = 1 mile

Project: BRST-0532(12) Webster County **PI No.:** 343361-
Description: SR 41 over Kinchafoonee Creek in SW Preston

Project Concept Report page 3
Project Number: BRST-0532 (12)
P. I. Number: 343361
County: Webster

NEED AND PURPOSE
PROJECT BRST-0532 (12) WEBSTER COUNTY
P. I. NO 343361-
Bridge Replacement

Project Number BRST-0532 (12) will replace the existing, structurally deficient bridge located on State Route (SR) 41 over Kinchafoonee Creek in Webster County approximately 1-mile southwest of Preston, Georgia.

This bridge was constructed in 1950 and the sufficiency rating is 40.2. The Office of Bridge 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.

State Route 41 is functionally classified as a rural major collector and is designated as a school bus route. The posted speed limit is 55 miles per hour. The Average Daily Traffic (ADT) along this section of roadway has been projected to be 1300 in 2004 and 1700 in 2024 with 8 percent trucks. There are no other projects within the immediate project area that are in the Departments' Long Range Construction Work Program. Also, SR 41 is not on the National Highway System nor is it in the Georgia Bicycle Statewide Network. Sidewalks are not proposed for this bridge. Replacing this bridge will bring it up to current design standards and improve the operation and safety of this roadway.

Description of the proposed project:

This project proposes to replace the existing, structurally deficient S.R. 41 Bridge over Kinchafoonee Creek in Webster County with a new structure. The bridge is located in southwest Preston approximately 1 mile south of U.S. 280/S.R. 41. The proposed bridge would be constructed on new alignment with traffic maintained on the existing roadway. To allow for staging and to obtain desirable horizontal geometry, the project will begin approximately 1100 feet south of the existing bridge and end approximately 600 feet north of the bridge. The total length of the proposed project is approximately 0.42 miles.

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

PDP Classification: Minor

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

Functional Classification: Rural Major Collector

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

State Route Number(s): 41

Traffic (AADT):

Current Year: (2004) – 1,300 Design Year: (2024) – 1,700

Existing design features:

- **Typical Section:**
The existing roadway has two 12-foot travel lanes with 6-foot grassed shoulders.
- **Posted speed:** 55 mph **Maximum degree of curvature:** 2° 00'
- **Maximum grade:** 0.48%
- **Width of right of way:** varies between 100 to 200 feet
- **Major structures:** Concrete bridge constructed in 1950.
Length: 312 feet
Width: 23.7 feet
Sufficiency rating: 40.2
- **Major interchanges or intersections along the project:** None

Proposed Design Features:

- **Proposed typical section(s):** The proposed roadway will consist of two 12-foot travel lanes with eight-foot shoulders that will include a two-foot paved shoulder (see attached typical section).
- **Proposed Design Speed Mainline:** 55 mph
- **Proposed Maximum grade Mainline:** 0.48% **Maximum grade allowable:** 5.5 %
- **Proposed Maximum grade Side Street:** N/A **Maximum grade allowable:** N/A
- **Proposed Maximum degree of curve:** 2°00' **Maximum degree allowable:** 6°00'
- **Right of way**
 - **Width:** 80 feet min.
 - **Easements:** Temporary (), Permanent (X), Utility (), Other (X)
 - **Type of access control:** Full (), Partial (), By Permit (X), Other ()
 - **Number of parcels:** 4 **Number of displacements:** 0
 - **Business:** 0
 - **Residences:** 0
 - **Mobile homes:** 0
 - **Other:** 0
- **Structures:**
 - **Bridges** – The proposed bridge will be 38 feet wide and approximately 315 feet long. The proposed structure will carry two 12-foot travel lanes with 7-foot shoulders.
 - **Retaining walls** – None anticipated.
- **Major intersections and interchanges:** None
- **Traffic control during construction:** Stage construct – Existing two-way traffic will be maintained on the existing roadway while the proposed roadway is constructed. Traffic will then be shifted onto the newly constructed proposed roadway and the existing bridge and approaches removed.

Design Exceptions to controlling criteria anticipated: None

| | <u>UNDETERMINED</u> | <u>YES</u> | <u>NO</u> |
|-----------------------------|---------------------|------------|-----------|
| 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:** Anticipate COE and 404 permit. Do not anticipate any UST, hazardous waste, history, archaeological, etc impacts.
- **Level of environmental analysis:** C.E. - 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:**
 - Overhead power and telephone cable lines located along east side of roadway.

Project responsibilities:

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

Coordination

- Concept meeting date and brief summary – July 18, 2001 - See attached meeting minutes.
- P. A. R. meetings, dates and results – Not Applicable
- FEMA, USCG, and/or TVA – None Anticipated
- Public involvement – None Anticipated
- Local government comments – None.
- Other projects in the area – BRST-030-1(26)
- Other coordination to date – Coordination with the USGS will be required on the removal and possible relocation of a USGS Stream Gauge currently attached to existing the bridge.

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 6 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 Month

Alternates Considered: (1) Shift roadway alignment and stage construct proposed bridge approximately 45 feet to the west of the existing structure. (2) Build proposed bridge on the same alignment as the existing bridge by using an onsite temporary detour to maintain existing traffic. (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 (1) was chosen as the preferred Alternate due to its overall lower construction costs (see attached Alternate 1 Cost Estimate). Alternate (2) was not chosen due to the higher cost of construction (see attached Alternate 2 Cost Estimate). Alternate (3) was not chosen due to the shortest available detour route using local county roads was approx 20 miles in length. Alternate (4) was not chosen due to the substandard condition of the existing bridge and the long-term maintenance costs in retaining the structurally deficient bridge.

Attachments:

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

**PRELIMINARY COST ESTIMATE
(Alternate 1)**

DATE: September 11, 2001

PREPARED BY: The LPA Group, Inc.

PROJECT NO.: BRST-0532(12)

P.I. NO.: 343361

LENGTH: 0.42 Miles

PROJECT DESCRIPTION: S.R. 41 @ Kinchafoonee Creek

PROJECT COSTS

A. RIGHT OF WAY

| | |
|---|-----------------|
| 1. Property (Land & Easement) | \$5,000 |
| 2. Displacements; Res: 0, Bus: 0, M.H.: 0 | \$0 |
| 3. Other Cost (Adm./Cost, Inflation) | \$5,000 |
| 4. Detour (Temporary Easement) | \$0 |
| Subtotal: A | \$10,000 |

B. REIMBURSEABLE UTILITIES

| | |
|------------------------|-----------------|
| 1. Railroad; (None) | \$0 |
| 2. Transmission Lines; | \$0 |
| 3. Services: | \$30,000 |
| Subtotal: B | \$30,000 |

C. CONSTRUCTION

| | | | |
|---|----------------|---------------|------------------|
| 1. Major Structures | | | |
| a. Bridges; | 11,970 sq ft | @ \$65 /sq ft | \$778,050 |
| b. Retaining Walls; | (None) | | \$0 |
| c. Box Culverts; | (None) | | \$0 |
| d. Removal of existing bridge; | | | \$150,000 |
| Subtotal: C-1 | | | \$928,050 |
| 2. Grading and Drainage: | | | |
| a. Earthwork; | 24,000 cu yd | @ \$4 cu yd | \$96,000 |
| 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 | | | \$96,000 |

3. Base and Paving

| | | | | |
|---------------------|--------|------------|-------------|-----------------|
| a. GAB; | (| 1,771 tons | @ \$17 tn) | <u>\$30,107</u> |
| b. Asphalt Paving; | | | | |
| 1) Surface | (| 396 tons | @ \$47 tn) | <u>\$18,612</u> |
| 2) Binder | (| 339 tons | @ \$47 tn) | <u>\$15,933</u> |
| 3) Base | (| 678 tons | @ \$45 tn) | <u>\$30,510</u> |
| c. Concrete Paving; | (| | | <u>\$0</u> |
| d. Other; | (None) | | | <u>\$0</u> |
| Subtotal: C-3 | | | | \$95,162 |

4. Lump Items:

| | | | | |
|-------------------------|------------|-------------|--|-----------------|
| a. Traffic Control; | | | | <u>\$40,000</u> |
| b. Clearing & Grubbing; | \$3,000/AC | @ 3.5 acres | | <u>\$10,500</u> |
| c. Grassing; | \$3,500/AC | @ 3.5 acres | | <u>\$12,250</u> |
| d. Erosion Control; | \$4,000/AC | @ 3.5 acres | | <u>\$14,000</u> |
| Subtotal: C-4 | | | | \$76,750 |

5. Miscellaneous:

| | | | | |
|-------------------------------|----------|--------------|--|-----------------|
| a. Lighting; | | (None) | | <u>\$0</u> |
| b. Striping - (5 in yellow); | 4,200 ft | @ \$0.50 /ft | | <u>\$2,100</u> |
| c. Striping - (5 in white); | 4,200 ft | @ \$0.50 /ft | | <u>\$2,100</u> |
| d. Guardrail | | | | <u>\$13,000</u> |
| e. Sidewalk - Median Barrier; | | | | <u>\$0</u> |
| Subtotal: C-5 | | | | \$17,200 |

6. Special Features (None)

Subtotal: C-6 \$0

7. Detour: (None)

Subtotal: C-7 \$0

| | |
|-------------------------------------|---------------------------|
| A. Right-of-Way | <u>10,000</u> |
| B. Reimbursable Utilities | <u>30,000</u> |
| C. Construction | |
| 1. Major Structures | <u>\$928,050</u> |
| 2. Grading and Drainage | <u>\$96,000</u> |
| 3. Base and Paving | <u>\$95,162</u> |
| 4. Lump Items | <u>\$76,750</u> |
| 5. Miscellaneous | <u>\$17,200</u> |
| 6. Special Features | <u>\$0</u> |
| 7. Detour | <u>\$0</u> |
| Subtotal Construction Cost | <u>\$1,213,162</u> |
| E & C (10%) | <u>\$121,316</u> |
| Inflation (5% per year for 2 years) | <u>\$124,349</u> |
| Total Construction Cost | <u>\$1,458,827</u> |
| GRAND TOTAL PROJECT COST | <u>\$1,498,827</u> |

Project Concept Report page 11
Project Number: BRST-0532 (12)
P. I. Number: 343361
County: Webster

**PRELIMINARY COST ESTIMATE
(Alternate 2)**

DATE: September 11, 2001

PREPARED BY: The LPA Group, Inc.

PROJECT NO.: BRST-0532(12)

P.I. NO.: 343361

LENGTH: 0.42 Miles

PROJECT DESCRIPTION: S.R. 41 @ Kinchafoonee Creek

PROJECT COSTS

A. RIGHT OF WAY

| | |
|---|-----------------|
| 1. Property (Land & Easement) | <u>\$0</u> |
| 2. Displacements; Res: 0, Bus: 0, M.H.: 0 | <u>\$0</u> |
| 3. Other Cost (Adm./Cost, Inflation) | <u>\$5,000</u> |
| 4. Detour (Temporary Easement) | <u>\$10,000</u> |
| Subtotal: A | \$15,000 |

B. REIMBURSEABLE UTILITIES

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

C. CONSTRUCTION

| | | | |
|---|----------------|---------------|------------------|
| 1. Major Structures | | | |
| a. Bridges; | 11,970 sq ft | @ \$65 /sq ft | <u>\$778,050</u> |
| b. Retaining Walls; | (None) | | <u>\$0</u> |
| c. Box Culverts; | (None) | | <u>\$0</u> |
| d. Removal of existing bridge; | | | <u>\$150,000</u> |
| Subtotal: C-1 | | | \$928,050 |
| 2. Grading and Drainage: | | | |
| a. Earthwork; | 3,000 cu yd | @ \$4 cu yd | <u>\$12,000</u> |
| b. Drainage; | | | |
| 1) Cross Drain Pipe (exclude box culverts) | (None) | | <u>\$0</u> |
| 2) Curb and Gutter | (None - Rural) | | <u>\$0</u> |
| 3) Longitudinal System (include catch basins) | (None - Rural) | | <u>\$0</u> |
| Subtotal: C-2 | | | \$12,000 |

3. Base and Paving-

| | | | | |
|---------------------|--------|----------|-------------|-----------------|
| a. GAB; | (| 639 tons | @ \$17 tn) | <u>\$10,863</u> |
| b. Asphalt Paving; | | | | |
| 1) Surface | (| 88 tons | @ \$47 tn) | <u>\$4,136</u> |
| 2) Binder | (| 118 tons | @ \$47 tn) | <u>\$5,546</u> |
| 3) Base | (| 235 tons | @ \$45 tn) | <u>\$10,575</u> |
| c. Concrete Paving; | (| | | <u>\$0</u> |
| d. Other; | (None) | | | <u>\$0</u> |
| Subtotal: C-3 | | | | \$31,120 |

4. Lump Items:

| | | | | |
|-------------------------|------------|-------------|--|-----------------|
| a. Traffic Control; | | | | <u>\$40,000</u> |
| b. Clearing & Grubbing; | \$3,000/AC | @ 0.9 acres | | <u>\$2,700</u> |
| c. Grassing; | \$3,500/AC | @ 0.9 acres | | <u>\$3,150</u> |
| d. Erosion Control; | \$4,000/AC | @ 0.9 acres | | <u>\$3,600</u> |
| Subtotal: C-4 | | | | \$49,450 |

5. Miscellaneous:

| | | | | |
|-------------------------------|----------|--------------|--|-----------------|
| a. Lighting; | | (None) | | <u>\$0</u> |
| b. Striping - (5 in yellow); | 1,430 ft | @ \$0.50 /ft | | <u>\$715</u> |
| c. Striping - (5 in white); | 1,430 ft | @ \$0.50 /ft | | <u>\$715</u> |
| d. Guardrail | | | | <u>\$13,000</u> |
| e. Sidewalk - Median Barrier; | | | | <u>\$0</u> |
| Subtotal: C-5 | | | | \$14,430 |

6. Special Features (None)

Subtotal: C-6 **\$0**

7. Detour:

| | | | | |
|----------------------------|--------------|---------------|--|------------------|
| a. Detour Bridges; | 7,560 sq ft | @ \$40 /sq ft | | <u>\$302,400</u> |
| b. Earth Work;; | 26,000 cu yd | @ \$4 /cu yd | | <u>\$104,000</u> |
| c. GAB; | 1,050 tons | @ \$17 tn | | <u>\$17,850</u> |
| d. Surface | 252 tons | @ \$47 tn | | <u>\$11,844</u> |
| e. Binder; | 355 tons | @ \$47 tn | | <u>\$16,685</u> |
| f. Clearing and Grubbing;; | \$3,000/AC | @ 2.5 acres | | <u>\$7,500</u> |
| g. Grassing; | \$3,500/AC | @ 2.5 acres | | <u>\$8,750</u> |
| h. Erosion Control | \$4,000/AC | @ 2.5 acres | | <u>\$10,000</u> |
| i. Striping; | 8,000 ft | @ \$0.50 /ft | | <u>\$4,000</u> |
| Subtotal: C-7 | | | | \$483,029 |

Project Concept Report page 13
Project Number: BRST-0532 (12)
P. I. Number: 343361
County: Webster

A. Right-of-Way \$15,000

B. Reimbursable Utilities \$30,000

C. Construction

1. Major Structures \$928,050

2. Grading and Drainage \$12,000

3. Base and Paving \$31,120

4. Lump Items \$49,450

5. Miscellaneous \$14,430

6. Special Features \$0

7. Detour \$483,029

Subtotal Construction Cost \$1,518,079

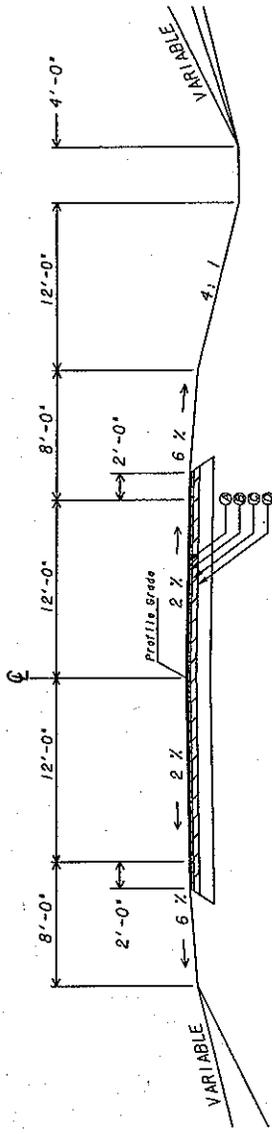
E & C (10%) \$151,808

Inflation (5% per year for 2 years) \$155,603

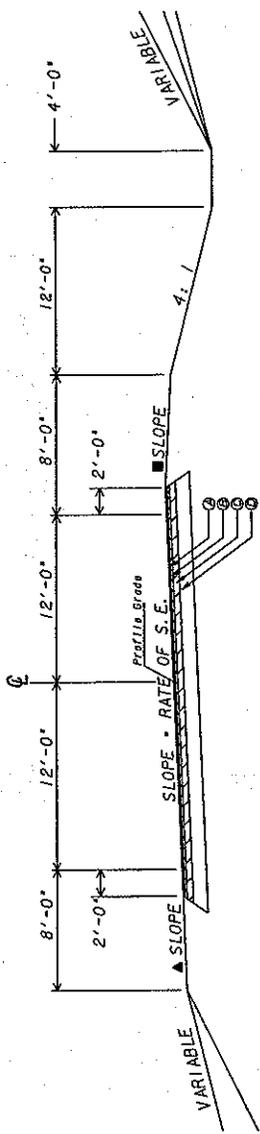
Total Construction Cost \$1,825,490

GRAND TOTAL PROJECT COST \$1,870,490

| | | | | |
|-------|---------|----------------|-----------|--------------|
| STATE | COUNTY | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
| GA. | WEBSTER | BRST-0532(12) | | |



TANGENT SECTION



SUPERELEVATED SECTION

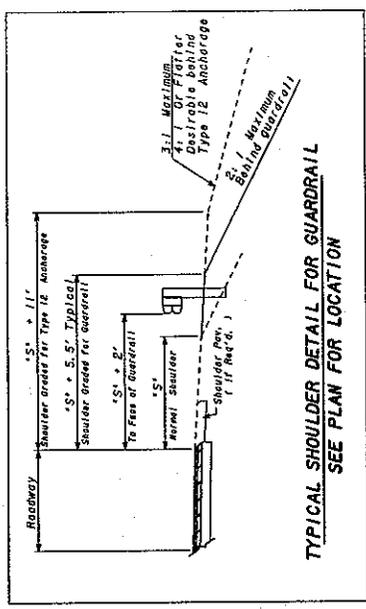
| |
|-----------------|
| SLOPE SELECTION |
| SLOPE CUT FILL |
| 4:1 0'-10'-10' |
| 2:1 10'-10'+ |

- ▲ SEE GEORGIA STANDARD 9028C - NOTE (d)
- SEE GEORGIA STANDARD 9028C - NOTE (e)
- ▲ SLOPE $\frac{3}{4}$ / 1'-0" OR RATE OF S.E. WHICHEVER IS GREATER
- SLOPE AS FOLLOWS:
 - S.E. RATE OF 0.03'/FT OR LESS USE $\frac{1}{2}$ " IN 1'-0"
 - S.E. RATE OF 0.04'/FT. USE $\frac{3}{8}$ " IN 1'-0"
 - S.E. RATE OF 0.05'/FT. USE $\frac{1}{4}$ " IN 1'-0"
 - S.E. RATE OF 0.06'/FT. USE $\frac{1}{8}$ " IN 1'-0"
 - S.E. RATE OF 0.08'/FT. USE 0'-01'/FT

ALGEBRAIC DIFFERENCE IN PAVING AND SHOULDER SLOPES NOT TO EXCEED 0.01'/FT

- REQUIRED PAVEMENT
- Ⓐ ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, 165 LBS./S.Y.
 - Ⓑ ASPHALTIC CONCRETE 19 MM SUPERPAVE, 220 LBS./S.Y.
 - Ⓒ ASPHALTIC CONCRETE 25 MM SUPERPAVE, 330 LBS./S.Y.
 - Ⓓ GRADED AGGREGATE BASE, 8"

| | | |
|----------------|----------|------|
| PROJECT NO.: | AT258313 | DATE |
| DESIGNED BY: | | |
| DRAWN BY: | | |
| CHECKED BY: | | |
| SUPERVISED BY: | | |



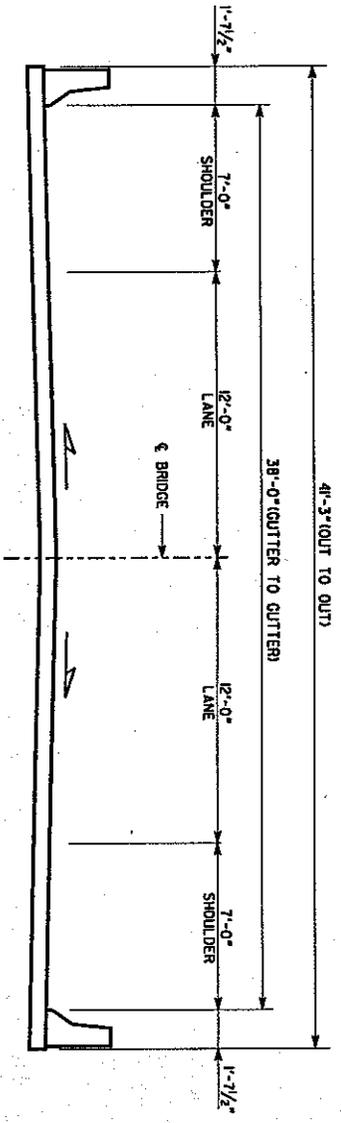
TYPICAL SHOULDER DETAIL FOR GUARDRAIL
SEE PLAN FOR LOCATION

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

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

ROADWAY TYPICAL SECTION
S. R. 41 OVER KINCHAFOONEE CREEK
WEBSTER CO.
BRST-0532(12)

| | | | |
|-------|---------|----------------|-------------|
| STATE | COUNTY | PROJECT NUMBER | SHEET TOTAL |
| GA. | WEBSTER | BRST-05321(2) | NO. SHEETS |



BRIDGE TYPICAL SECTION

SCALE: 1/8" = 1'-0"

| | | |
|-----------------|-------------------------|------|
| PROJECT NO. : | AT258318 | DATE |
| DESIGNED BY : | | |
| DRAWN BY : | | |
| CHECKED BY : | | |
| SUPERVISED BY : | ALBERT W. BORNMAN, P.E. | |



THE LPA GROUP INCORPORATED
TRANSPORTATION CONSULTANTS
5255 TRIANGLE PARKWAY, SUITE 300
MORGANSON, GEORGIA 30092
(770) 263-9118

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

BRIDGE TYPICAL SECTION
SR 41 OVER KINCHAFONNEE CREEK
WEBSTER CO.
BRST-05321(12)

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 307-0010-0

Webster County

SUFF. RATING: 40.2

Location & Geography

Signs & Attachments

| | | |
|---|---------------------------------------|---------------------------------|
| * Structure I.D. No.: 307-0010-0 | * 104 Highway System: 0 | 223 Expansion Joint Type: 02 |
| 200 Bridge Information: 06 | * 26 Functional Classification: 07 | 242 Deck Drains: 1 |
| * 6A Feature Int.: KINCHAFONNE CREEK | * 204 Federal Route Type: S No: 00532 | 243 Parapet Location: 0 |
| * 6B Critical Bridge: 0 | * 110 Truck Route: 0 | Height: 0 |
| * 7A Route Number Carried: SR00041 | 206 School Bus Route: 1 | Width: 0 |
| * 7B Facility Carried: SR 41 | 217 Benchmark Elevation: 0.00 | 238 Curb: 1 2 1 |
| * 9 Location: 1 MILE SW PRESTON | 218 Datum: 0 | 239 Handrail: 1 1 |
| 2 DOT District: 3 | * 19 Bypass Length: 13 | * 240 Median Barrier Rail: 0 |
| 207 Year Photo: 1997 | * 20 Toll: 3 | 241 Bridge Median Height: 0 |
| * 91 Inspection Frequency: 24 Date: 07/20/1999 | * 21 Maintenance: 01 | Width: 0 |
| 92A Fract Crit Insp Freq: 0 00 Date: 0000 | * 22 Owner: 01 | * 230 Guardrail Loc Dir Rear: 3 |
| 92B Underwater Insp Freq: 1 60 Date: 10/21/1997 | * 31 Design Load: 2 | Fwrtd: 3 |
| 92C Other Spec. Insp Freq: 0 00 Date: 0000 | * 37 Historical Significance: 5 | Oppo Dir Rear: 0 |
| * 4 Place Code: 62720 | 205 Congressional District: 02 | Fwrtd: 0 |
| * 5 Inventory Route (O/U): 1 | * 27 Year Constructed: 1950 | 244 Approach Slab: 0 |
| Type: 3 | 106 Year Reconstructed: 0000 | 224 Retaining Wall: 0 |
| Designator: 1 | 33 Bridge Median: 0 | 233 Posted Speed Limit: 55 |
| Number: 00041 | 34 Skew: 00 | 236 Warning Sign: 0 |
| Direction: 0 | 35 Structure Flared: 0 | 234 Delineator: 0 |
| * 16 Latitude: 32-02.8 | 38 Navigation Control: 0 | 235 Hazard Boards: 0 |
| * 17 Longitude: 84 -32.8 | 213 Special Steel Design: 0 | 237 Utilities Gas: 00 |
| 98 Border Bridge: 000 %Shared: 00 | 267 Type of Paint: 2 | Water: 00 |
| 99 ID Number: 0000000000000000 | * 42 Type Service On: 1 | Electric: 00 |
| * 100 Defense Highway: 0 | Under: 5 | Telephone: 00 |
| * 101 Parallel Structure: N | 214 Movable Bridge: 00 | Sewer: 00 |
| * 102 Direction of Traffic: 2 | 203 Type Bridge: O-N-M-O | 247 Lighting Street: 0 |
| 264 Road Inventory Mile Post: 011.12 | 259 Pile Encasement: 3 | Navigation: 0 |
| * 208 Inspection Area: 08 Initials: JLA | * 43 Structure Type Main: 3 02 | Aerial: 0 |
| * Location I.D. No: 307-00041D-011.49N | 45 No. Spans Main: 003 | * 248 County Continuity No: 00 |
| * XReferen I.D. No: 000-0000000-000.000 | 44 Structure Type Appr: 4 4 | |
| | 46 No. Spans Appr: 0006 | |
| | 226 Bridge Curve Horiz: 0 Vert: 1 | |
| | 111 Pier Protection: 0 | |
| | 107 Deck Structure Type: 1 | |
| | 108 Wearing Surface Type: 1 | |
| | Membrane: 0 | |
| | Protection: 0 | |

Report Date: 02/05/2001

SIA - 1

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 307-0010-0

Webster County

SUFF. RATING: 402

Programming Data

201 Project No: FAS 224 (2)
 202 Plans Available: 0
 249 Prop. Proj No: BRST-0532 (12)
 250 Approval Status: 0000
 251 P.I. No: 343361
 252 Contract Date: 02/01/2004
 260 Seismic No: 00000
 75 Type Work: 34.1
 94 Bridge Imp. Cost: \$ 334
 95 Roadway Imp. Cost: \$ 59
 96 Total Imp. Cost: \$ 536
 76 Imp. Length: 000523
 97 Imp. Year: 1990
 114 Future ADT: 002850 Year: 2018

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0000.0 Year: 0000
 Flood Elev: 0000.0 Freq: 00
 Avg. Streambed Elev: 0000.0
 Drainage Area: 00000
 Area of Opening: 000000
 113 Scour Critical: 6
 216 Water Depth: 08.0 Br Height: 16.0
 222 Slope Protection: 6
 221 Spur Dikes Rear: 0 Fwrd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No Barrels: 0
 Width: 0.0
 Height: 0.0
 Length: 0
 Apron: 0
 * 265 U/W Insp. Area: 2 Diver: WSS

Measurements

* 29 ADT: 001900 Year: 1998
 109 % Trucks: 16
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0050
 * 49 Structure Length: 312
 51 Br. Rdwy. Width: 23.7
 52 Deck Width: 30.1
 * 47 Tol. Horiz. Cl: 23.7
 50 Curb/Sewlk Width: 2.0/2.0
 32 Approach Rdwy Width: 024
 * 229 Shlder Width:
 Rear Lt: 6.0 Type: 8 Rt: 6.0
 Fwrd Lt: 6.0 Type: 8 Rt: 6.0
 Pwment Width:
 Rear: 24.0 Type: 2
 Fwrd: 24.0 Type: 2
 Intersection Rear: 0 Fwrd: 0
 36 Safety Features Br. Rail: 2
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl. Over: 99.99"
 Under: N 00.00"

Ratings

66 Inventory Type: 2 Rating: 13
 64 Operating Type: 2 Rating: 29
 231 Calculated Loads
 H-Modified: 14 1
 HS-Modified: 22 1
 Type 3: 18 1
 Type 3S2: 33 1
 Timber: 25 1
 Piggyback: 00 0
 261 H Inventory Rating: 10
 262 H Operating Rating: 15
 67 Structural Evaluation: 2
 58 Deck Condition: 5
 59 Superstructure Condition: 6
 * 227 Collision Damage: 0
 60A Substructure Condition: 6
 60B Scour Condition: 6
 60C Underwater Condition: 7
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 7
 68 Deck Geometry: 3
 69 UnderClr. Horiz/Vert: N
 72 Appr. Alignment: 8
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 3
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: T
 232 Posted Loads H-Modified: 14
 HS-Modified: 22
 Type 3: 18
 Type 3S2: 33
 Timber: 25
 Piggyback: 00
 253 Notification Date: 0000
 253 Fed Notify Date: 0000
 2

Report Date: 02/05/2001

SIA - 2

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. BRST-0532(12), Webster County
P.I. No. 343361

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: *OCTOBER 30, 2001*

This project is located on S.R. 41 at Kinchafoonee Creek, located in Webster County, 25th Land District, Land Lots 212, 213, & 237.

This project consists of replacing the existing 23.7 ft X 312 ft structurally deficient S.R. 41 Bridge over Bear Creek with a new structure. The new bridge will be 38 ft wide and approximately 315 ft 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.

Andy Lindsey
Area 2 Engineer
Andy.Lindsey@dot.state.ga.us
1557 E. Lamar Street (SR 27)
Americus, Georgia 31709
(912) 931-2434 / (912) 931-2435

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:

Jimmy Chambers
State Consultant Design Engineer
jimmy.chambers@dot.state.ga.us
Georgia Department of Transportation
No. 2 Capitol Square
Atlanta, Georgia 30334
(404) 463-6133

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.

July 23, 2001

Meeting notes from the July 18, 2001 concept meeting at the Thomaston archive building for the following projects:

BRST-0532(13) SR 41 over Bear Creek.
BRST-0532(12) SR 41 over Kinchafoonee Creek.
BRST-1518(11) SR 45 over Kinchafoonee Creek and O/F.
BRST-1169(8) SR 153 over Lannahassee Creek.

Attendees:

| | | |
|---------------|--------------------------------------|----------------|
| Tom Queen | GDOT – District 3 Preconstruction | (706) 646-6591 |
| Andy Lindsey | GDOT – Area Engineer | (229) 931-2434 |
| Katie Mullins | GDOT - Office of Programming | (404) 651-7043 |
| Kerry Gore | GDOT – District 3 Utilities | (706) 646-6552 |
| Scott Parker | GDOT – District 3 Traffic Operations | (706) 646-6561 |
| Wayne King | Alltel | (478) 988-4043 |
| John Weingard | The LPA Group Incorporated | (770) 263-9118 |
| Al Bowman | The LPA Group Incorporated | (770) 263-9118 |

Meeting Notes:

General Comments For All Projects:

It may be necessary to purchase additional Right-of-Way for relocation of Utility lines. Additional Temporary easement may be necessary on the opposite side of the Detour for construction of the bridges. LPA will check on this when existing Right-of-Way data (survey) becomes available.

It was asked if utilities could be located on the proposed bridges. GDOT prefers not to have utilities located on their bridges, but will make accommodations if necessary.

BRST-0532(13) SR 41 over Bear Creek.

The proposed bridge will be constructed on existing alignment with an onsite detour to maintain traffic. The onsite detour is proposed for the upstream side. It was asked if the detour could be moved to the downstream side to avoid utility relocation. It was shown that the proposed location for the detour is the best choice because it fits better with the curve off the west end of the bridge. Shifting the detour to the downstream side would require a longer detour to achieve desirable geometry at the tie-in on the west end of the project. The project limits would need to be extended approximately 350 feet to the west to accommodate the detour.

BRST-0532(12) SR 41 over Kinchafoonee Creek.

The proposed bridge will be constructed on new alignment with traffic maintained on the existing roadway. It was noted that there is a stream gauge attached to the existing bridge that will require coordination with the USGS Department. LPA will coordinate with USGS on the removal and possible relocation of the stream gauge on to the proposed bridge. It was mentioned that the existing roadbed that is no longer needed due to the new alignment should be removed down to natural ground. LPA concurred.

BRST-1518(11) SR 45 over Kinchafoonee Creek and O/F.

The proposed bridges will be constructed on new alignment with traffic maintained on the existing roadway. It was mentioned that there is an existing boat ramp on Kinchafoonee Creek near the bridge. It was noted that the boat ramp and access to the ramp from SR 45 must be maintained. LPA concurred.

BRST-1169(8) SR 153 over Lannahassee Creek.

The proposed bridge will be constructed on existing alignment with an onsite detour to maintain traffic. It was mentioned that this bridge has been moved up in the programming schedule, and that Right-of-Way must be purchased in this fiscal year (2002). Accordingly, LPA will make it a high priority.

This is our understanding of the concept meeting on July 18, 2001. If you have any further comments or questions please call (770) 263-9118.

Al Bowman, P.E.
The LPA Group Incorporated
3595 Engineering Drive
Norcross, Georgia 30092

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design

**PROJECT CONCEPT REPORT
SR 41 Over Kinchafoonee Creek**

Project Number: BRST-0532 (12)

County: Webster

P. I. Number: 343361

Federal Route Number: N/A

State Route Number: 41

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 9-19-01

DATE 9-19-01



Project Manager – Otis Clark



State Consultant Design Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

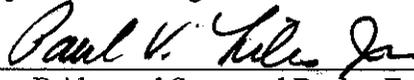
DATE _____

District 3 Engineer

DATE _____

Project Review Engineer

DATE 9/20/01



State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design

**PROJECT CONCEPT REPORT
SR 41 Over Kinchafoonee Creek**

Project Number: BRST-0532 (12)

County: Webster

P. I. Number: 343361

Federal Route Number: N/A

State Route Number: 41

PROJECT LOCATION MAP: See Page 2

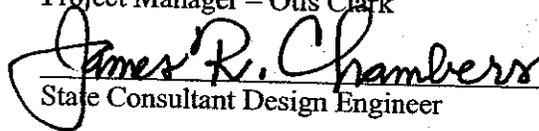
Recommendation for approval:

DATE 9-19-01

DATE 9-19-01



Project Manager - Otis Clark



State Consultant Design Engineer

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

DATE _____

DATE 9/27/01

DATE _____

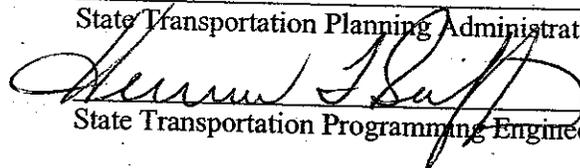
DATE _____

DATE _____

DATE _____

DATE _____

State Transportation Planning Administrator



State Transportation Programming Engineer

State Environmental/Location Engineer

State Traffic Safety and Design Engineer

District 3 Engineer

Project Review Engineer

State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design

**PROJECT CONCEPT REPORT
SR 41 Over Kinchafoonee Creek**

Project Number: BRST-0532 (12)

County: Webster

P. I. Number: 343361

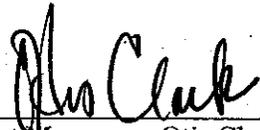
Federal Route Number: N/A

State Route Number: 41

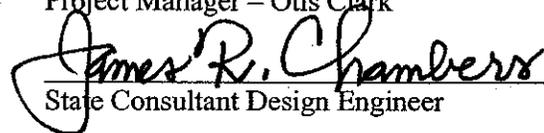
PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 9-19-01


Project Manager - Otis Clark

DATE 9-19-01


State Consultant Design Engineer

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

DATE 10/5/01


State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District 3 Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design

**PROJECT CONCEPT REPORT
SR 41 Over Kinchafoonee Creek**

Project Number: BRST-0532 (12)

County: Webster

P. I. Number: 343361

Federal Route Number: N/A

State Route Number: 41

PROJECT LOCATION MAP: See Page 2

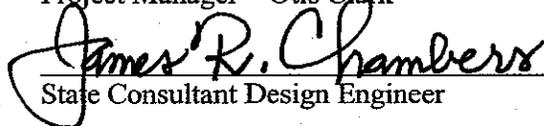
Recommendation for approval:

DATE 9-19-01



Project Manager – Otis Clark

DATE 9-19-01



State Consultant Design Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

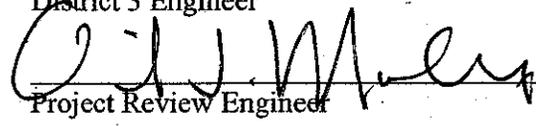
DATE _____

State Traffic Safety and Design Engineer

DATE _____

District 3 Engineer

DATE 10/10/01



Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRST - 0532 (12) / Webster County
P.I. No. 343361

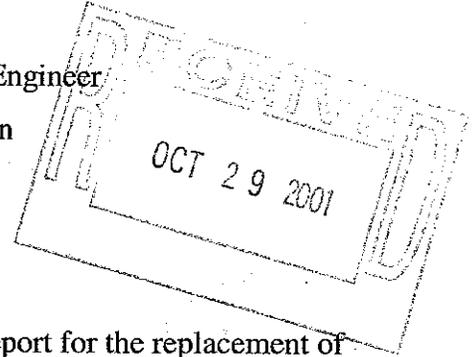
Office: Traffic Safety & Design
Atlanta, Georgia
Date: October 2, 2001

PMA

From: Phillip M. Allen, State Traffic Safety and Design Engineer

To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review



We have reviewed the above referenced concept report for the replacement of the structurally deficient bridge on SR 41 over Kinchafoonee Creek. This project is located southwest of Preston.

The existing structure is 24 feet wide with a sufficiency rating of 40.2. The concept proposes to construct a new structure 38 feet wide for the two-lane roadway. The current ADT is 1300 vehicles and the design year ADT is projected to be 1700 vehicles. The proposed bridge width is in accordance with MOG 4265-10 for this type of roadway.

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

PMA/bm

Attachment (signature page)

Cc: Harvey Keepler, State Environment/Location Engineer
James Chambers, State Consultant Design Engineer
Attention: Oits Clark

David Mulling, State Review Engineer, w/ attachment
Marta Rosen, State Transportation Planning Administrator
Paul Liles, State Bridge & Structural Design Engineer
Chuck Hasty, TMC
General Files
Office Files

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design

**PROJECT CONCEPT REPORT
SR 41 Over Kinchafoonee Creek**

Project Number: BRST-0532 (12)

County: Webster

P. I. Number: 343361

Federal Route Number: N/A

State Route Number: 41

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 9-19-01

DATE 9-19-01



Project Manager - Otis Clark



State Consultant Design Engineer

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

DATE _____

State Transportation Planning Administrator

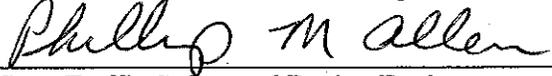
DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE 10-15-01



State Traffic Safety and Design Engineer

DATE _____

District 3 Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design

**PROJECT CONCEPT REPORT
SR 41 Over Kinchafoonee Creek**

Project Number: BRST-0532 (12)

County: Webster

P. I. Number: 343361

Federal Route Number: N/A

State Route Number: 41

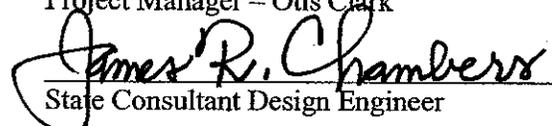
PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 9-19-01


Project Manager - Otis Clark

DATE 9-19-01


State Consultant Design Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

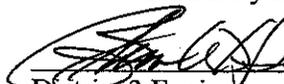
DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 10/10/01


District 3 Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

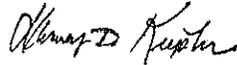
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.L No. 343360 & 343361

OFFICE: Environment/Location

DATE: October 23, 2001



FROM: Harvey D. Keeper, State Environmental/Location Engineer

TO: Wayne Hutto, P.E., Assistant Director of Preconstruction

SUBJECT: **PROJECT CONCEPT REPORT**
BRST-0532(12), WEBSTER COUNTY
BRST-0532(13), WEBSTER COUNTY

The above subject concept report has been reviewed. COE permit is a 404 permit. A nationwide 23 section 404 permit from the COE is anticipated. Will need to survey for endangered mussels – may require coordination on design of detour and bridge if mussels present.

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

HDK/rtt

Attachment

cc: David Mulling
James Chambers, P.E.