

ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BRST-1518(11) Webster-Sumter Counties **OFFICE** Preconstruction  
P.I. No. 343364  
**DATE** August 23, 2001

**FROM** *CW Hutto*  
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

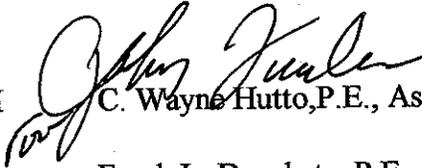
**DISTRIBUTION:**

Tom Turner  
David Mulling  
Harvey Keeper  
Jerry Hobbs  
Herman Griffin  
Michael Henry  
Marion Waters  
Marta Rosen  
Paul Liles  
Jimmy Chambers  
Glenn Durrence  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BRST-1518(11) Webster-Sumter Counties **OFFICE** Preconstruction  
P.I. No. 343364 **DATE** August 14, 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 two narrow and structurally deficient bridges on SR 45 over Kinchafoonee Creek and Kinchafoonee Creek Overflow, 0.1 mile west of the Sumter county line. The existing bridges, constructed in 1955, are 23.7' wide with sufficiency ratings of 42. The existing approaches consist of a two lane roadway with rural shoulders on 100' of existing right-of-way. The base year traffic (2006) along this section of SR 45 is 350 VPD and the 20 year (2026) or design year projected volume is 500 VPD. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate SR 45 south of its present location, extending a total of 0.85 mile. The proposed new bridges will be 400' x 38' and 180' x 38', and will be located just south of the existing bridge structures. The relocated SR 45 will consist of two, 12' lanes with 8' rural shoulders (2' paved). Traffic will be maintained on the existing bridges while the proposed bridges are constructed.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; a public hearing is not required; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$3,262,000	\$1,100,000	2004	03-07
Right-of-Way	\$ 30,000	\$ 10,000		
Utilities*	LGPA	LGA		

Frank L. Danchetz  
Page 2

BRST-1518(11) Webster-Sumter  
August 14, 2001

\*Webster County signed LGPA for utilities 8-17-99.

I recommend this project concept be approved.

CWH:JDQ/cj

Attachment

CONCUR

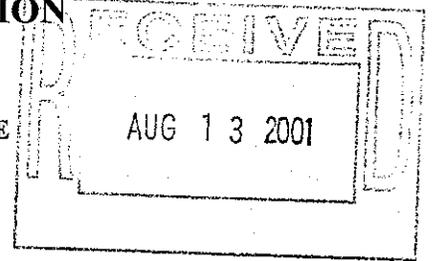
  
Thomas L. Turner, P.E., Director of Preconstruction

APPROVE

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

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

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INTERDEPARTMENTAL CORRESPONDENCE



**FILE:** BRST-1518(11) Webster-Sumter  
P.I. Number 343364-

**OFFICE:** Engineering Services

**DATE:** August 13, 2001

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

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

**SUBJECT:** CONCEPT REPORT

We have reviewed the concept report submitted August 7, 2001 by the letter from James R. Chambers dated August 7, 2001, and have the following comment:

1. Reimbursable utility costs conflict with note on Page 6 of report stating no known utilities located within proposed project limits.

The costs for the project are:

Construction	\$2,695,000
Inflation	\$ 270,000
E&C	\$ 297,000
Reimbursable Utilities	\$ 30,000
Right of Way	\$ 35,000

DTM

c: Jim Chambers – Office of Consultant Design

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> BRST-1518(11)		<b>County:</b> Webster		<b>PI No.:</b> 343364-		
<b>Report Date:</b> 8/7/01			<b>Concept By:</b> DOT Office: CONSULTANT DESIGN			
<input checked="" type="checkbox"/> CONCEPT			Consultant: LPA GROUP			
<b>Project Type:</b> 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		
<b>FOCUS AREAS</b>	<b>SCORE</b>	<b>RESULTS</b>				
<b>Presentation</b>	100%	Utility note conflicts with reimbursable utility costs.				
<b>Judgement</b>	100%					
<b>Environmental</b>	100%					
<b>Right of Way</b>	100%					
<b>Utility</b>	100%					
<b>Constructability</b>	100%					
<b>Schedule</b>	100%					

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BRST-1518(11) Webster County  
SR 45 over Kinchafoonee Creek and Overflow  
P.I. No. 343364-

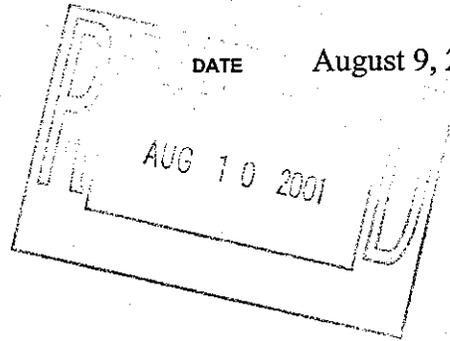
**FROM** *James R. Chambers*  
James R. Chambers, State Consultant Design Engineer

**TO** Wayne Hutto, Assistant Director of Preconstruction

**SUBJECT** **PROJECT CONCEPT REPORT**

**OFFICE** Atlanta

**DATE** August 9, 2001



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  
Marion Waters, State Traffic Operations Engineer  
Marta Rosen, State Transportation Planning Administrator  
Herman Griffin, State Transportation Programming Engineer  
Glenn Durrence, District Engineer – Thomaston  
Paul Liles, Sate Bridge & Structural Engineer

JRC: OC

cc: LPA Group, Inc.

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

Office of Consultant Design

Project Number: BRST-1518(11)

County: Webster/Sumter

P. I. Number: 343364

Federal Route Number: N/A

State Route Number: 45

**PROJECT CONCEPT REPORT  
S.R. 45 over Kinchafoonee Creek & Overflow**

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE 8-7-01

Teled for  
Project Manager -- Otis Clark

DATE 8-9-01

James R. Chambers  
State Consultant 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 Programming Engineer

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

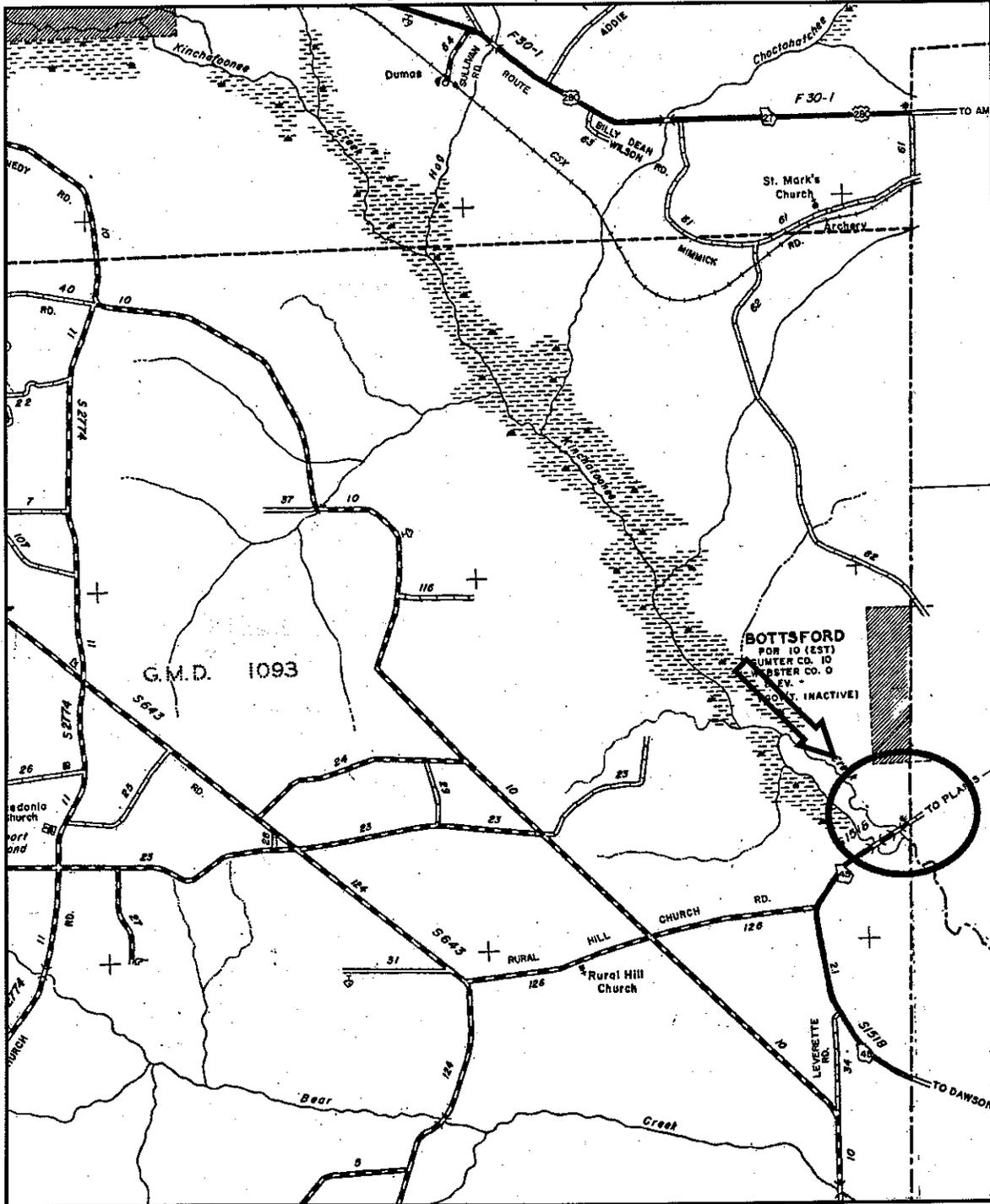
DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Design Engineer

### PROJECT LOCATION MAP



**Project:** BRST-1518(11) Webster County  
**PI No.:** 343364  
**Description:** SR 45 over Kinchafoonee Creek and Overflow 0.1 mi W of Sumter County Line

Project Concept Report page 3  
Project Number: BRST-1518 (11)  
P. I. Number: 343364  
County: Webster/Sumter

**NEED AND PURPOSE**  
**PROJECT BRST-1518 (11) WEBSTER COUNTY**  
**P. I. NO 343364**  
**Bridge Replacement**

Project Number BRST-1518 (11) will replace the existing, structurally deficient bridges located on State Route (SR) 45 over Kinchafoonee Creek and over Kinchafoonee Creek Overflow in Webster County. The bridge over Kinchafoonee Creek is located approximately 0.1-miles west of the county line with Sumter County, Georgia. The bridge over Kinchafoonee Creek Overflow is located approximately 0.2-miles west of the Sumter County line.

Both bridges were constructed in 1955 and have a sufficiency rating of 42. The Office of Bridge and Structural Design has determined that any structure with a sufficiency rating of less than 50 should be replaced rather than improved. This project will replace each of the existing bridges with a structurally adequate bridge.

State Route 45 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 350 in 2006 and 500 in 2026 with 8 percent trucks. There are no other projects within the immediate project area that are in the Department's Long Range Construction Work Program. SR 45 is neither in the National Highway System nor in Georgia Bicycle Statewide Network. Sidewalks are not proposed for these bridges. Replacing these bridges will bring them up to current design standards and will improve the operation and safety of this roadway.

**Description of the proposed project:**

This project proposes to replace the existing structurally deficient S.R.45 Road Bridges over Kinchafoonee Creek & Kinchafoonee Creek Overflow. The bridges are located in Webster County approximately 0.1 mile West of the Sumter County Line.

The proposed bridges will be constructed downstream and parallel to the existing bridges on new shifted alignment. Traffic will be maintained during construction of the new bridges and approaches utilizing the existing roadway and bridges.

To obtain desirable horizontal geometry, the project will begin in Webster County approximately 1200 feet west of the Kinchafoonee Creek Overflow and end in Sumter County approximately 2200 feet east of Kinchafoonee Creek. The two bridges are spaced approximately 550 ft apart from each other. The total proposed length of this project is 0.85 miles.

Is the project located in a Non-attainment area? \_\_\_\_\_ Yes      X   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):** 45

**Traffic (AADT):**

Current Year: 350 ADT (2006)

Design Year: 500 ADT (2026)

**Existing design features:**

- **Typical Section:** The existing roadway has two 11-foot travel lanes with two-foot paved shoulders.
- **Posted speed:** 55 mph                      **Maximum degree of curvature:** 4°00'
- **Maximum grade:** 6.0%
- **Width of right of way:** 100 ft.

- **Major structures:** Concrete & Steel Bridges over Kinchafoonee Creek & Kinchafoonee Creek Overflow.
  - Bridge over Kinchafoonee Creek:  
Length: 384 feet  
Deck Width: 23.7 feet  
Sufficiency rating: 42.0
  - Bridge over Kinchafoonee Creek Overflow:  
Length: 162 feet  
Deck Width: 23.7 feet  
Sufficiency rating: 42.0
- **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 8-foot shoulders that will include a two-foot paved shoulder (See attached typical sections).
- **Proposed Design Speed Mainline:** 55 mph
- **Proposed Maximum grade Mainline:** 5.0%    **Maximum grade allowable:** 6.5 %
- **Proposed Maximum grade Side Street:** N/A    **Maximum grade allowable:** 6.5 %
- **Proposed Maximum degree of curve:** 4°00'    **Maximum degree allowable:** 6°00'
- **Right of way**
  - **Width:** 80 ft Minimum.
  - **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 over Kinchafoonee Creek will be 38-feet wide and approximately 400-feet in length. The proposed bridge over Kinchafoonee Creek Overflow will be 38-feet wide and approximately 180-feet in length. Both bridges will carry two 12-foot travel lanes with seven-foot shoulders.
  - Retaining walls – None Anticipated
- **Major intersections and interchanges:** None

- **Traffic control during construction:** Stage Construction – Traffic will be maintained on the existing roadway and bridges during construction of the proposed bridges and approaches. Traffic will then be shifted onto the newly constructed roadway and the existing bridge and approaches removed.

**Design Exceptions to controlling criteria anticipated: None**

	UNDETERMINED	YES	<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 404 Permit. Wetland area located immediately upstream of existing bridges. Bridges were constructed in 1955 and will be studied for historic eligibility. Do not anticipate any UST, hazardous waste, archeological, etc. impacts.
- **Level of environmental analysis:** CE - Anticipated
  - Are Time Saving Procedures appropriate? Yes (X), No ( ),
  - Categorical exclusion (X),
  - Environmental Assessment/Finding of No Significant Impact (FONSI) ( ), or
  - Environmental Impact Statement (EIS) ( ).
- **Utility involvement:** There are no known or identifiable utilities within the proposed project limits.

**Project responsibilities:**

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

**Coordination**

- Concept meeting date and brief summary- To be scheduled
- P. A. R. meetings, dates and results- Not Applicable
- FEMA, USCG, and/or TVA – Not anticipated.
- Public involvement – None anticipated
- Local government comments – None anticipated
- Other projects in the area – None
- Other Coordination to date – None

**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
- 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) Stage Construct on shifted alignment while maintaining traffic on existing bridges and roadway. 2) Replace bridges on existing alignment utilizing an on-site detour to maintain traffic. 3) Replace bridges on existing alignment utilizing an off-site detour maintain traffic. 4) No build

**Comments:** Alternate (1) was chosen as the preferred Alternate due to its cost effectiveness and feasibility (see Alternate 1 Cost Estimate). Alternate (2) was not chosen due to its increased construction cost (see Alternate 2 Cost Estimate). Alternate (3) was rejected due shortest possible length of detour using available state or county routes to detour local traffic would be more than 30 miles in length. Alternate (4) was not chosen due to the substandard condition of the existing bridges and the long-term maintenance costs in retaining the bridges.

Project Concept Report page 8  
Project Number: BRST-1518 (11)  
P. I. Number: 343364  
County: Webster/Sumter

**Attachments:**

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

**Approvals:**

Concur: \_\_\_\_\_  
Director of Preconstruction

Approve: \_\_\_\_\_  
Chief Engineer

**PRELIMINARY COST ESTIMATE**  
**(Alternate 1)**

Project Concept Report page 9  
Project Number: BRST-1518 (11)  
P. I. Number: 343364  
County: Webster/Sumter

DATE: August 6, 2001  
PROJECT NO.: BRST-1518(11)  
P.I. NO.: 343364

PREPARED BY: The LPA Group, Inc.

LENGTH: 0.85 Miles

PROJECT DESCRIPTION: S.R. 45 over Kinchafoonee Creek & Overflow

### PROJECT COSTS

#### **A. RIGHT OF WAY**

1. Property (Land & Easement)	\$25,000
2. Displacements; Res: 0, Bus: 0, M.H.: 0	\$0
3. Other Cost (Adm./Cost, Inflation)	\$10,000
4. Detour (Temporary Easement)	\$0
Subtotal: A	<u>\$35,000</u>

#### **B. REIMBURSEABLE UTILITIES**

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

#### **C. CONSTRUCTION**

1. Major Structures	
a. Retaining Walls; (None)	\$0
b. Bridges; 22,040 sft @ \$65 sft	\$1,432,600
c. Box Culverts; (None)	\$0
c. Removal of existing bridges; 16,380 sft @ \$20 sft	\$327,600
Subtotal: C-1	<u>\$1,760,200</u>

2. Grading and Drainage:			
a. Earthwork;	45,000 cy	@ \$4 cy	<u>\$180,000</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	<b>\$180,000</b>
3. Base and Paving			
a. Aggregate Base;	( 17,126 syd	@ \$12 tn )	<u>\$205,512</u>
b. Asphalt Paving;			
1) Surface (	1,413 tons	@ \$47 tn )	<u>\$66,411</u>
2) Binder (	1,884 tons	@ \$47 tn )	<u>\$88,548</u>
3) Base (	5,652 tons	@ \$45 tn )	<u>\$254,340</u>
c. Concrete Paving;	( 0 syd	@ \$100 syd )	<u>\$0</u>
d. Other;	(None)		<u>\$0</u>
		Subtotal: C-3	<b>\$614,811</b>
4. Lump Items:			
a. Traffic Control;			<u>\$40,000</u>
b. Clearing & Grubbing;	\$3000/ac	6.6 ac	<u>\$19,800</u>
c. Grassing;	\$3000/ac	6.6 ac	<u>\$19,800</u>
d. Erosion Control;	\$4000/ac	6.6 ac	<u>\$26,400</u>
		Subtotal: C-4	<b>\$106,000</b>
5. Miscellaneous:			
a. Lighting;		(None)	<u>\$0</u>
b. Striping - (5 in yellow);	10670 ft	@ \$0.50 ft )	<u>\$5,335</u>
c. Striping - (5 in white);	10670 ft	@ \$0.50 ft )	<u>\$2,850</u>
d. Guardrail			<u>\$26,000</u>
e. Sidewalk - Median Barrier;			<u>\$0</u>
		Subtotal: C-5	<b>\$34,185</b>
6. Special Features (None)			Subtotal: C-6 <b>\$0</b>
7. Detour (None)			Subtotal: C-7 <b>\$0</b>

Project Concept Report page 11  
Project Number: BRST-1518 (11)  
P. I. Number: 343364  
County: Webster/Sumter

**ESTIMATE SUMMARY**  
(Alternate 1)

A. Right-of-Way		<u>\$35,000</u>
B. Reimbursable Utilities		<u>\$30,000</u>
C. Construction		
1. Major Structures	<u>\$1,760,200</u>	
2. Grading and Drainage	<u>\$180,000</u>	
3. Base and Paving	<u>\$614,811</u>	
4. Lump Items	<u>\$106,000</u>	
5. Miscellaneous	<u>\$34,185</u>	
6. Special Features	<u>\$0</u>	
Subtotal Construction Cost	<u>\$2,695,196</u>	
E & C (10%)	<u>\$269,520</u>	
Inflation (5% per year for 2 years)	<u>\$276,258</u>	
Total Construction Cost		<u>\$3,240,973</u>
<b>GRAND TOTAL PROJECT COST</b>	<u><u>\$3,305,973</u></u>	

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Project Number: BRST-1518 (11)  
P. I. Number: 343364  
County: Webster/Sumter

**PRELIMINARY COST ESTIMATE  
(Alternate 2)**

DATE: August 6, 2001  
PROJECT NO.: BRST-1518(11)  
P.I. NO.: 343364

PREPARED BY: The LPA Group, Inc.  
LENGTH: 0.51 Miles

PROJECT DESCRIPTION: S.R. 45 over Kinchafoonee Creek & Overflow

**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)	\$10,000
4. Detour (Temporary Easement)	\$15,000
Subtotal: A	<u>\$30,000</u>

**B. REIMBURSEABLE UTILITIES**

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

**C. CONSTRUCTION**

1. Major Structures	
a. Retaining Walls; (None)	\$0
b. Bridges; 22,040 sft @ \$65 sft	\$1,432,600
c. Box Culverts; (None)	\$0
c. Removal of existing bridges; 16,380 sft @ \$20 sft	\$327,600
Subtotal: C-1	<u>\$1,760,200</u>

2. Grading and Drainage:

a. Earthwork;	14,000 cy	@ \$4 cy	<u>\$56,000</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 <u>\$56,000</u>

3. Base and Paving

a. Aggregate Base;	( 2,557 syd	@ \$12 tn )	<u>\$30,684</u>
b. Asphalt Paving;			
1) Surface (	210 tons	@ \$47 tn )	<u>\$9,870</u>
2) Binder (	280 tons	@ \$47 tn )	<u>\$13,160</u>
3) Base (	850 tons	@ \$45 tn )	<u>\$38,250</u>
c. Concrete Paving;	( 0 syd	@ \$100 syd )	<u>\$0</u>
d. Other;	(None)		<u>\$0</u>
			Subtotal: C-3 <u>\$91,964</u>

4. Lump Items:

a. Traffic Control;			<u>\$40,000</u>
b. Clearing & Grubbing;	2.00 acres	\$3000/ac	<u>\$6,000</u>
c. Grassing;	2.00 acres	\$3000/ac	<u>\$6,000</u>
d. Erosion Control;	2.00 acres	\$4000/ac	<u>\$8,000</u>
			Subtotal: C-4 <u>\$60,000</u>

5. Miscellaneous:

a. Lighting;		(None)	<u>\$0</u>
b. Striping - (5 in yellow);	2750 ft	@ \$0.50 ft )	<u>\$1,375</u>
c. Striping - (5 in white);	2750 ft	@ \$0.50 ft )	<u>\$1,375</u>
d. Guardrail			<u>\$26,000</u>
e. Sidewalk - Median Barrier;			<u>\$0</u>
			Subtotal: C-5 <u>\$28,750</u>

6. Special Features (None)

			<u>\$0</u>
			Subtotal: C-6 <u>\$0</u>

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Project Number: BRST-1518 (11)  
P. I. Number: 343364  
County: Webster/Sumter

7. Detour

a. Detour Bridge	13,104 sft	@ \$40 sft	<u>\$524,160</u>
b. Earthwork	34,000 cy	@ \$4 cy	<u>\$136,000</u>
c. Surface	1,413 tons	@ \$47 tn	<u>\$66,411</u>
d. Binder	1,884 tons	@ \$47 tn	<u>\$88,548</u>
e. Aggregate Base	17,126 syd	@ \$12 syd	<u>\$205,512</u>
f. Clearing & Grubbing	6.60 acres	@ \$3,000 acre	<u>\$19,800</u>
g. Grassing	6.60 acres	@ \$3,000 acre	<u>\$19,800</u>
h. Erosion Control	6.60 acres	@ \$4,000 acre	<u>\$26,400</u>
i. Signing & Marking	21340 ft	@ \$0.50 ft	<u>\$10,670</u>

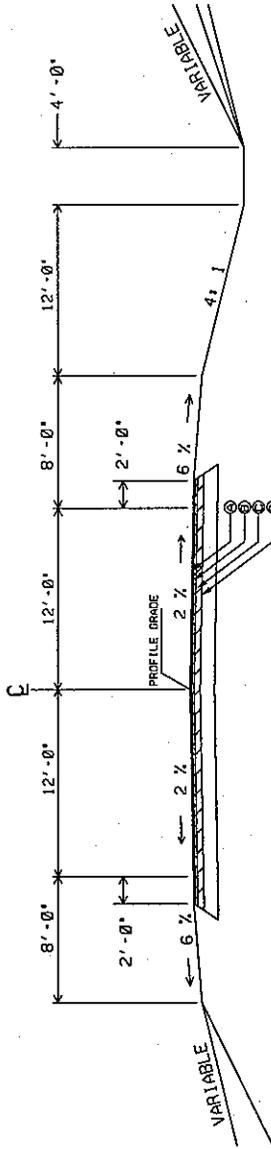
Subtotal: C-7 \$1,097,301

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Project Number: BRST-1518 (11)  
P. I. Number: 343364  
County: Webster/Sumter

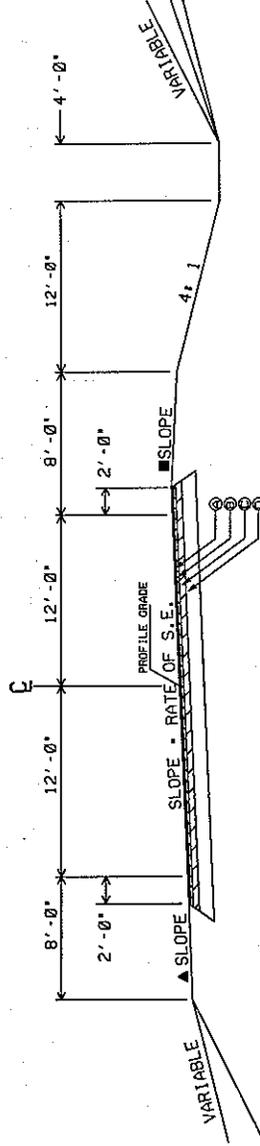
**ESTIMATE SUMMARY**  
(Alternate 2)

A. Right-of-Way		<u>\$30,000</u>
B. Reimbursable Utilities		<u>\$30,000</u>
C. Construction		
1. Major Structures	<u>\$1,760,200</u>	
2. Grading and Drainage	<u>\$56,000</u>	
3. Base and Paving	<u>\$91,964</u>	
4. Lump Items	<u>\$60,000</u>	
5. Miscellaneous	<u>\$28,750</u>	
6. Special Features	<u>\$0</u>	
7. Detour	<u>\$1,097,301</u>	
Subtotal Construction Cost	<u>\$3,094,215</u>	
E & C (10%)	<u>\$309,422</u>	
Inflation (5% per year for 2 years)	<u>\$317,157</u>	
Total Construction Cost		<u>\$3,720,794</u>
<b>GRAND TOTAL PROJECT COST</b>	<u>\$3,780,794</u>	

STATE	COUNTY	PROJECT NUMBER	SHEET TOTAL
GA.	WEBSTER	BRST-1518(11)	NO. SHEETS

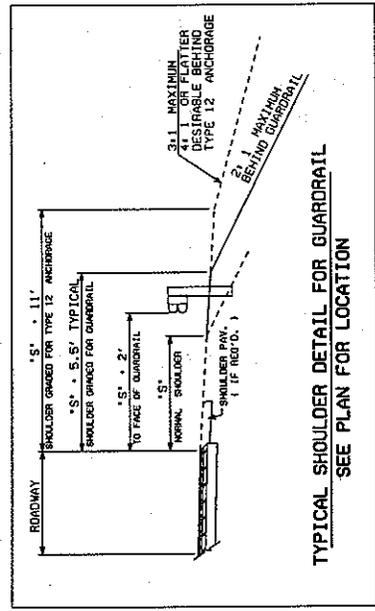


TANGENT SECTION



SUPERELEVATED SECTION

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



TYPICAL SHOULDER DETAIL FOR GUARDRAIL  
SEE PLAN FOR LOCATION

REQUIRED PAVEMENT

- ① ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, 165 LBS./S.Y.
- ② ASPHALTIC CONCRETE 19 MM SUPERPAVE, 220 LBS./S.Y.
- ③ ASPHALTIC CONCRETE 25 MM SUPERPAVE, 330 LBS./S.Y.
- ④ GRADED AGGREGATE BASE, 8"

- ▲ 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  $\frac{3}{4}$ " IN 1'-0"
- S.E. RATE OF 0.05'/FT. USE  $\frac{1}{2}$ " IN 1'-0"
- S.E. RATE OF 0.06'/FT. USE  $\frac{1}{4}$ " IN 1'-0"
- S.E. RATE OF 0.08'/FT. USE "0.01'/FT

ALGEBRAIC DIFFERENCE IN PAVING AND SHOULDER SLOPES NOT TO EXCEED 0.07'/FT

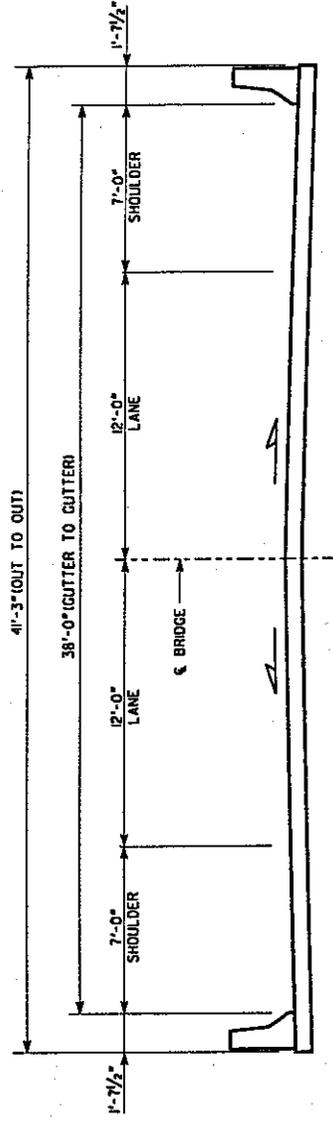


THE LPA GROUP INCORPORATED  
TRANSPORTATION CONSULTANTS  
3895 ENGINEERING DRIVE  
NORCROSS, GEORGIA 30092  
(770) 263-9118

STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION

ROADWAY TYPICAL SECTION  
S.R. 45 OVER KINCHAFOONEE CREEK AND OVERFLOW  
WEBSTER CO. BRST-1518(11)

STATE	COUNTY	PROJECT NUMBER	SHEET TOTAL
G.A.	WEBSTER	BRST-1518(10)	NO. SHEETS



BRIDGE TYPICAL SECTION

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

PROJECT NO. :	AT258319	DATE
DESIGNED BY :		
DRAWN BY :		
CHECKED BY :		
SUPERVISED BY :	ALBERT W. BOWMAN, P. E.	

**THE LPA GROUP**  
 LPA  
 GROUP

TRANSPORTATION CONSULTANTS  
 5255 TRIANGLE PARKWAY, SUITE 300  
 NORCROSS, GEORGIA 30092  
 (770) 283-9118

STATE OF GEORGIA  
 DEPARTMENT OF TRANSPORTATION

BRIDGE TYPICAL SECTION  
 S. R. 45 OVER KINCHAFOONEE CK & O/F  
 WEBSTER CO. BRST-1518(10)

# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 307-0012-0

Webster County

SUFF. RATING: 42.0

## Location & Geography

\* Structure I.D. No.: 307-0012-0  
 \* 200 Bridge Information: 06

\* 6A Feature Int.: KINCHAFOONEE CREEK  
 \* 6B Critical Bridge: 0  
 \* 7A Route Number Carried: SR00045  
 \* 7B Facility Carried: SR 45  
 \* 9 Location: 7.8 MILES S.E. PRESTON  
 2 DOT District: 3  
 207 Year Photo: 1997

\* 91 Inspection Frequency: 24 Date: 07/22/1999  
 92A Fract Crt Insp Freq: 0 00 Date: 0000  
 92B Underwater Insp Freq: 1 60 Date: 10/08/1997  
 92C Other Spc. Insp Freq: 0 00 Date: 0000

\* 4 Place Code: 00000

\* 5 Inventory Route (O/U): 1  
 Type: 3  
 Designator: 1  
 Number: 00045  
 Direction: 0

\* 16 Latitude: 31-58.3  
 \* 17 Longitude: 84-26.8

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: 001.94

\* 208 Inspection Area: 08 Initials: JLA  
 \* Location I.D. No.: 307-00045D-002.01N  
 \* XReferen I.D. No.: 000-000000-000.000

## Signs & Attachments

223 Expansion Joint Type: 02  
 242 Deck Drains: 1

243 Parapet Location: 0  
 Height: 0  
 Width: 0

238 Curb: 1.21  
 239 Handrail: 11  
 \* 240 Median Barrier Rail: 0

241 Bridge Median Height: 0  
 Width: 0

\* 230 Guardrail Loc Dir Rear: 3  
 Fwrd: 3  
 Oppo Dir Rear: 0  
 Fwrd: 0

244 Approach Slab: 3  
 224 Retaining Wall: 0

233 Posted Speed Limit: 55

236 Warning Sign: 0  
 234 Delineator: 1  
 235 Hazard Boards: 1

237 Utilities Gas: 00  
 Water: 00  
 Electric: 00  
 Telephone: 00  
 Sewer: 00

247 Lighting Street: 0  
 Navigation: 0  
 Aerial: 0

\* 248 County Continuity No: 00

**BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION**  
 Structure ID: 307-0012-0 Webster County SUFF. RATING: 42.0

**Programming Data**

201 Project No: BA (2) 1209 (4)  
 202 Plans Available: 2  
 249 Prop. Proj No: BRST-1518 (11)  
 250 Approval Status: 0000  
 251 P.I. No: 343364  
 252 Contract Date: 02/01/2004  
 260 Seismic No: 000000  
 75 Type Work: 341  
 94 Bridge Imp. Cost: \$ 77  
 95 Roadway Imp. Cost: \$ 53  
 96 Total Imp. Cost: \$ 269  
 76 Imp. Length: 000595  
 97 Imp. Year: 1990  
 114 Future ADT: 000600 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: 06.0 Br Height: 19.0  
 222 Slope Protection: 1  
 221 Spur Dikes Rear: 0 Fwrd: 0  
 219 Fender System: 0  
 220 Dolphin: 0  
 223 Culvert Cover: 000  
 Type: 0  
 No Barrels: 0  
 Width: 0.0  
 Height: 0.0  
 Length: 0  
 Apron: 0  
 265 U/W Insp. Area: 2 Diver: TSP

**Measurements**

\* 29 ADT: 000400 Year: 1998  
 109 % Trucks: 16  
 \* 28 Lanes On: 02 Under: 00  
 210 No. Tracks On: 00 Under: 00  
 \* 48 Max. Span Length: 0065  
 \* 49 Structure Length: 384  
 51 Br. Rdwy. Width: 23.7  
 52 Deck Width: 30.1  
 \* 47 Tot. Horz. Cl: 23.7  
 50 Curb/Sdewlk Width: 2.0/2.0  
 32 Approach Rdwy Width: 022  
 \* 229 Shlder Width:  
 Rear Lt: 6.0 Type: 8 R: 6.0  
 Fwrd Lt: 6.0 Type: 8 R: 6.0  
 Pmnt Width:  
 Rear: 22.0 Type: 2  
 Fwrd: 22.0 Type: 2  
 Intersection Rear: 0 Fwrd: 0

**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: 24 0  
 261 H Inventory Rating: 10  
 262 H Operating Rating: 15  
 67 Structural Evaluation: 4  
 58 Deck Condition: 5  
 59 Superstructure Condition: 6  
 \* 227 Collision Damage: 0  
 60A Substructure Condition: 5  
 60B Scour Condition: 6  
 60C Underwater Condition: 6  
 71 Waterway Adequacy: 6  
 61 Channel Protection Cond: 6  
 68 Deck Geometry: 4  
 69 UnderClr. Horz/Vert: N  
 72 Apr. 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

# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 307-0011-0

Webster County

SUFF. RATING: 42.0

## Location & Geography

\* Structure I.D. No.: 307-0011-0  
 \* 200 Bridge Information: 06

\* 6A Feature Int.: KINCHAFOONEE CREEK O/F  
 \* 6B Critical Bridge: 0  
 \* 7A Route Number Carried: SR00045  
 \* 7B Facility Carried: SR 45  
 \* 9 Location: 8 MILES S.E.PRESTON  
 2 DOT District: 3  
 207 Year Photo: 1997

\* 91 Inspection Frequency: 24 Date: 07/22/1999  
 92A Fract Crit Insp Freq: 0 00 Date: 0000  
 92B Underwater Insp Freq: 1 60 Date: 10/08/1997  
 92C Other Spc. Insp Freq: 0 00 Date: 0000

\* 4 Place Code: 00000

\* 5 Inventory Route (O/U): 1  
 Type: 3  
 Designator: 1  
 Number: 00045  
 Direction: 0

\* 16 Latitude: 31-58.2  
 \* 17 Longitude: 84 -27.5

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: 001.81

\* 208 Inspection Area: 08 Initials: JLA

\* Location I.D. No: 307-00045D-001.85N  
 \* XReferen I.D. No: 000-000000-000.000

\* 104 Highway System: 0  
 \* 26 Functional Classification: 07  
 \* 204 Federal Route Type: S No: 01518  
 \* 110 Truck Route: 1  
 206 School Bus Route: 1  
 217 Benchmark Elevation: 0.00  
 218 Datum: 0  
 \* 19 Bypass Length: 18  
 \* 20 Toll: 3  
 \* 21 Maintenance: 01  
 \* 22 Owner: 01

\* 31 Design Load: 2  
 37 Historical Significance: 5  
 205 Congressional District: 02  
 \* 27 Year Constructed: 1955  
 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: 2

\* 42 Type Service On: 1  
 Under: 9  
 214 Movable Bridge: 00  
 203 Type Bridge: E-N-M-O  
 259 Pile Encasement: 1  
 \* 43 Structure Type Main: 4 02  
 45 No. Spans Main: 006  
 44 Structure Type Appr: 0 0  
 46 No. Spans Appr: 0000  
 226 Bridge Curve Horz: 0 Vert: 1  
 111 Pier Protection: 0  
 107 Deck Structure Type: 1

108 Wearing Surface Type: 1  
 Membrane: 0  
 Protection: 0

## Signs & Attachments

223 Expansion Joint Type: 02  
 242 Deck Drains: 1

243 Parapet Location: 0  
 Height: 0  
 Width: 0

238 Curb: 121  
 239 Handrail: 11  
 \* 240 Median Barrier Rail: 0

241 Bridge Median Height: 0  
 Width: 0

\* 230 Guardrail Loc Dir Rear: 3  
 Fwrd: 3  
 Oppo Dir Rear: 0  
 Fwrd: 0

244 Approach Slab: 3  
 224 Retaining Wall: 0

233 Posted Speed Limit: 55

236 Warning Sign: 0

234 Delineator: 1

235 Hazard Boards: 1

237 Utilities Gas: 00  
 Water: 00  
 Electric: 00  
 Telephone: 00  
 Sewer: 00

247 Lighting Street: 0  
 Navigation: 0  
 Aerial: 0

\* 248 County Continuity No: 00

# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 307-0011-0

Webster County

SUFF. RATING: 42.0

## Programming Data

201 Project No: BA (2) 1209 (4)  
 202 Plans Available: 2  
 249 Prop. Proj No: BRST-1518 (10)  
 250 Approval Status: 0000  
 251 P.I. No: 343363  
 252 Contract Date: 02/01/2004  
 260 Seismic No: 000000  
 75 Type Work: 34 1  
 94 Bridge Imp. Cost: \$ 40  
 95 Roadway Imp. Cost: \$ 36  
 96 Total Imp. Cost: \$ 138  
 76 Imp. Length: 000373  
 97 Imp. Year: 1990  
 114 Future ADT: 000600 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: 07.0 Br Height: 15.0  
 222 Slope Protection: 1  
 221 Spur Dikes Rear: 0 Fwrd: 0  
 219 Fender System: 0  
 220 Dolphin: 0  
 223 Culvert Cover: 000  
 Type: 0  
 No Barrels: 0  
 Width: 0.0  
 Height: 0.0  
 Length: 0  
 Apron: 0  
 \* 265 U/W Insp. Area: 2 Diver: TSP

\* Location I.D. No: 307-00045D-001.85N  
 \* XReferen I.D. No: 000-000000-000.000

Report Date: 02/05/2001

## Measurements

\* 29 ADT: 000400 Year: 1998  
 109 % Trucks: 16  
 \* 28 Lanes On: 02 Under: 00  
 210 No. Tracks On: 00 Under: 00  
 \* 48 Max. Span Length: 0027  
 \* 49 Structure Length: 162  
 51 Br. Rdwy. Width: 23.7  
 52 Deck Width: 30.1  
 \* 47 Tot. Horz. Cl: 23.7  
 50 Curb/Sdewlk Width: 2.0/2.0  
 32 Approach Rdwy Width: 020  
 \* 229 Shlder Width:  
 Rear Lt: 6.0 Type: 8 Rt: 6.0  
 Fwrd Lt: 6.0 Type: 8 Rt: 6.0  
 Pmnt Width:  
 Rear: 20.0 Type: 2  
 Fwrd: 20.0 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"

\* 228 Min. Vert. Cl  
 Act. Odm. Dir: 99.99"  
 Oppo. Dir: 99.99"  
 Posted Odm. Dir: 00' 00"  
 Oppo. Dir: 00' 00"  
 55 Lateral Underl. Rt: N 99.9  
 56 Lateral Underl. 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: 6.5  
 Deck Thick Approach: 0.0  
 246 Overlay Thickness: 0.0  
 211 Tons Structural Steel: 15.0  
 212 Year Last Painted: Sup: 1996 Sub: 1996

## 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: 27 0

261 H Inventory Rating: 10  
 262 H Operating Rating: 15  
 67 Structural Evaluation: 4  
 58 Deck Condition: 5  
 59 Superstructure Condition: 6  
 \* 227 Collision Damage: 0  
 60A Substructure Condition: 5  
 60B Scour Condition: 5  
 60C Underwater Condition: 5  
 71 Waterway Adequacy: 6  
 61 Channel Protection Cond: 5  
 68 Deck Geometry: 4  
 69 UnderClr. Horz/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

SIA - 2

## NOTICE OF LOCATION AND DESIGN APPROVAL

**Project No. BRST-1518(11)**

**P.I. No. 343364**

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:

This project is located in Webster County, 18<sup>th</sup> Land District, Land Lots 113 & 144, and Sumter County, 17th Land District, Land Lot 9.

This project consists of replacing the existing structurally deficient S.R. 45 Bridges at Kinchafoonee Creek and Kinchafoonee Creek Overflow with new structures. The proposed structures will be 38-foot wide carrying two 12-foot travel lanes with seven-foot shoulders. The proposed bridge over Kinchafoonee Creek is approximately 400-feet in length and the proposed bridge over Kinchafoonee Creek Overflow is approximately 180-feet in length. The bridges are located approximately 0.1 miles west of the Sumter County Line.

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 Number: BRST-1518(11)

County: Webster/Sumter

P. I. Number: 343364

Federal Route Number: N/A

State Route Number: 45

**PROJECT CONCEPT REPORT  
S.R. 45 over Kinchafoonee Creek & Overflow**

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Manager – Otis Clark

DATE \_\_\_\_\_

\_\_\_\_\_  
State Consultant 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 8-12-01

*Marta V. Raven*  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Programming Engineer

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

Office of Consultant Design

Project Number: BRST-1518(11)

County: Webster/Sumter

P. I. Number: 343364

Federal Route Number: N/A

State Route Number: 45

**PROJECT CONCEPT REPORT**

**S.R. 45 over Kinchafoonee Creek & Overflow**

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Manager – Otis Clark

DATE \_\_\_\_\_

\_\_\_\_\_  
State Consultant 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 Programming Engineer

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE 8/8/01

Paul V. Tiller Jr.  
\_\_\_\_\_  
State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

Office of Consultant Design  
Project Number: BRST-1518(11)  
County: Webster/Sumter  
P. I. Number: 343364  
Federal Route Number: N/A  
State Route Number: 45

**PROJECT CONCEPT REPORT  
S.R. 45 over Kinchafoonee Creek & Overflow**

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Manager – Otis Clark

DATE \_\_\_\_\_

\_\_\_\_\_  
State Consultant 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 8/7/01

  
\_\_\_\_\_  
State Transportation Programming Engineer

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Design Engineer

Department of Transportation  
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRST-1518 (11) / Webster/Sumter County  
P.I. No. 343364

Office: Traffic Operations  
Atlanta, Georgia  
Date: August-7, 2001

From:  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 two structurally deficient bridges on SR 45 over Kinchafoonee Creek and the Kinchafoonee Creek Overflow. This project is located southwest of Americus.

The existing structures are 24 feet wide with sufficiency ratings of 42. The concept proposes to construct two new structures 38 feet wide for the two-lane roadway. The current ADT is 350 vehicles and the design year ADT is projected to be 500 vehicles. The proposed bridge widths are 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.

MGW/BM

Attachment (signature page)

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

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

Office of Consultant Design

Project Number: BRST-1518(11)

County: Webster/Sumter

P. I. Number: 343364

Federal Route Number: N/A

State Route Number: 45

**PROJECT CONCEPT REPORT  
S.R. 45 over Kinchafoonee Creek & Overflow**

PROJECT LOCATION MAP: See Page 2

Recommendation for approval:

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Manager – Otis Clark

DATE \_\_\_\_\_

\_\_\_\_\_  
State Consultant 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 Programming Engineer

DATE \_\_\_\_\_

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

DATE 8/10/01

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Design Engineer

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

DATE \_\_\_\_\_

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State Traffic Operations Engineer

DATE \_\_\_\_\_

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

DATE 8/13/01

*(Signature)*  
Project Review Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Design Engineer

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State Transportation Programming Engineer

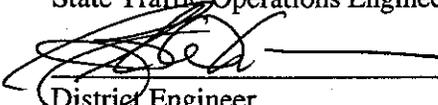
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