

D.O.T. 66

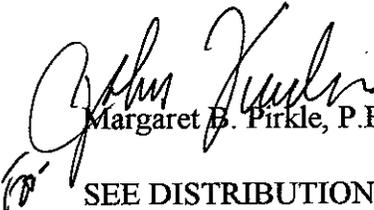
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0003-00(452) & (453) Walker County
P. I. Nos. 0003452 & 0003453

OFFICE Preconstruction

DATE June 10, 2003

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

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

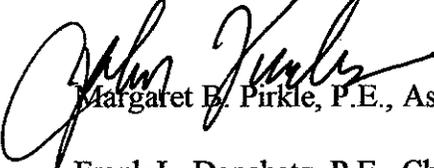
David Mulling
Harvey Keeper
Jerry Hobbs
Percy Middlebrooks
Michael Henry
Phillip Allen
Joe Palladi
Paul Liles
Brent Story
Kent Sager
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0003-00(452) & (453) Walker County **OFFICE** Preconstruction
P.I. Nos. 0003452 & 0003453

DATE May 19, 2003

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

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

SUBJECT PROJECT CONCEPT REPORT

These combined projects are the replacement of two narrow and structurally deficient bridges on CR 835/Happy Valley Road over Chattanooga Creek and Overflow, 4.0 miles southwest of Rossville, Georgia. The existing bridges, constructed in 1942 and 1935, have sufficiency ratings of 40 and 23. The existing approaches consist of a two lane roadway with rural shoulders on 50' of existing right-of-way. The base year traffic (2008) along this section of CR 835 is 1,400 VPD and the 20 year (2028) or design year projected volume of 2,050 VPD. The posted speed is 35 mph and the design speed is 40 mph.

The construction proposes to construct new 40' x 38' and 60' x 38' concrete bridges over Chattanooga Creek and Overflow at the existing bridge sites. The approaches will consist of two, 12' lanes with 8' rural shoulders (2' paved) on 80' minimum proposed right-of-way. The existing roadway will be closed during construction. Walker County will be responsible for the signing and maintenance of detour routes.

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 these projects are:

BR-0003-00(452) - Chattanooga Creek Overflow

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$324,000	\$323,000	2006	2006
Right-of-Way & Utilities*	Local	Local		

Frank L. Danchetz

Page 2

BR-0003-00(452) & (453) Walker

May 19, 2003

BR-0003-00(453) - Chattanooga Creek

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$495,000	\$494,000	2006	2006
Right-of-Way & Utilities*	Local	Local		

*Walker County signed LGPA on 1-22-02 for right-of-way, utilities and detours.

I recommend these project concepts be approved and the projects be constructed concurrently..

MBP:JDQ/cj

Attachment

CONCUR



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

APPROVE



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

SCORING RESULTS AS PER MOG 2440-2

Project Number: BR-003-00(453)		County: Walker		PI No.: 0003453		
Report Date: May 12, 2003			Concept By: DOT Office: District 6			
<input checked="" type="checkbox"/> Concept Stage			Consultant: None			
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 Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous		
FOCUS AREAS	SCORE	RESULTS				
Presentation	90	Estimated costs for Utility relocations should be included for informational purposes.				
Judgement	90	Incorrect bridge width noted. Per TOPPS 4265 the bridge width should be 38' based on the traffic volumes and type of roadway.				
Environmental	100					
Right of Way	100					
Utility	100					
Constructability	100					
Schedule	100					

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BR-0003-00(452) Walker
P.I. Number 0003452

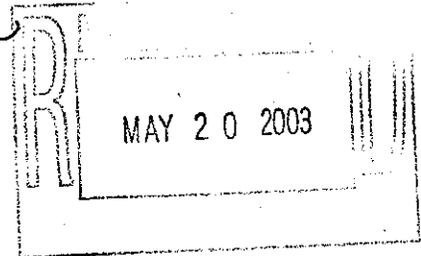
OFFICE: Engineering Services

DATE: May 19, 2003

FROM: David Mulling, Project Review Engineer *REW*

TO: Meg Pirkle, Assistant Director of Preconstruction

SUBJECT: **CONCEPT REPORT**



We have reviewed the concept report submitted May 12, 2003 by the letter from Kent L. Sager dated May 12, 2003, and have the following comments.

- According to TOPPS 4265, the required width of the proposed bridge should be 38 feet. If conditions permit, a culvert should be considered at this site.
- Estimated costs for reimbursable utility relocations should be included for informational purposes.

The costs for this project are:

Construction	\$267,000
Inflation	\$26,700
E&C	\$29,370
Reimbursable Utilities	not provided (LGPA signed 1/23/02)
Right of Way	\$13,500 (LGPA signed 1/23/02)

REW

c: Kent L. Sager, Attn: David Moore

SCORING RESULTS AS PER MOG 2440-2

Project Number: BR-003-00(452)		County: Walker		PI No.: 0003452		
Report Date: May 12, 2003		Concept By: DOT Office: District 6				
<input checked="" type="checkbox"/> Concept Stage		Consultant: None				
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 Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous		
FOCUS AREAS	SCORE	RESULTS				
Presentation	90	Estimated costs for Utility relocations should be included for informational purposes.				
Judgement	90	Incorrect bridge width noted. Per TOPPS 4265 the bridge width should be 38' based on the traffic volumes and type of roadway.				
Environmental	100					
Right of Way	100					
Utility	100					
Constructability	100					
Schedule	100					

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
DISTRICT SIX**

PROJECT CONCEPT REPORT

Project Number: BR-0003-00 (452)

County: Walker

P. I. Number: 0003452

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 5-12-03

Curtis D. Connor

Project Manager

DATE 5/12/03

Mark L. Sizer
Office Head/District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and 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 & Design Engineer

DATE 5/12/03

Mark L. Sizer
District Engineer

DATE _____

Project Review Engineer

DATE _____

Other Offices as required such as; Bridge Design, etc.

Project Concept Report page 3
Project Number: BR-0003-00 (452)
P. I. Number: 0003452
County: Walker

Need and Purpose: Project BR-0003-00 (452) will replace the existing overflow bridge on CR 835/Happy Valley Road over Chattanooga Creek in Walker County. This project begins at M.P. 0.275 and ends at M.P. 0.360. The bridge does not meet criteria specified in GDOT's policy 2405-1. The bridge has a sufficiency rating of 40.60, which is not in compliance with the required rating of 50 or more, specified by policy 2405-1. The bridge's structural evaluation of 2 is less than the policy's required rating of 3 or greater.

There is another project in the area. Project BR-0003-00 (453) will also replace a bridge on CR 835 over Chattanooga Creek in Walker County at the intersection of SR 193 and CR 835. This project begins along CR 835 at MM.P. 0.170 and ends at M.P. 0.275. The bridges are approximately 475 ft apart and they will be constructed simultaneously. The current traffic on the bridges is 1,400 ADT and the traffic is projected to increase to 2,050 ADT by 2028. The construction of the two bridges is scheduled to begin 2006.

Local and State transportation plans were viewed to determine their involvement with the proposed Chattanooga Creek Bridge Project. This project lies within the Chattanooga urbanized area and is required to be included in the Metropolitan Planning Organization's 2025 Transportation Plan and Transportation Improvement Program. Also, this bridge project is not a part of the GDOT's Statewide Bicycle & Pedestrian Plan. The bridge is on a school bus route.

Walker County's minority population was low and its poverty level was almost average in comparison to the statewide percentages. The 2000 Census data found that 3.8 % of the county's population was black and 0.9% was Hispanic. According to statewide population data, 27% of the population was black and 1.7% was Hispanic. During 1997, about 14% of the county's population lived below the poverty level, compared with a statewide poverty level of 15%.

Chattanooga Creek Bridge should be replaced in order to bring it up to GDOT design standards.

Description of the proposed project: This Project is for the replacement of the overflow bridge on County Road 835 (Happy Valley Road) The Project begins at M.P. 0.275 and ends at M.P. 0.360 at the intersection of C.R. 835 and State Route 193 with a total project length of 0.085 miles (apx. 450 ft). This project is located 4.2 miles southwest of Rossville, Ga. This project will be constructed concurrently with project BR-0003-00(453) Walker County P.I. No. 0003453 which is the replacement of the bridge on C.R. 835 over Chattanooga Creek. These two bridges are approximately 475 ft apart which will necessitate the projects being constructed together. This overflow bridge should be replaced with a bridge culvert if possible because of the grades and the close proximity to S. R. 193.

Project Concept Report page 4
Project Number: BR-0003-00 (452)
P. I. Number: 0003452
County: Walker

Is the project located in a Non-attainment area? () Yes (X) No.

PDP Classification: Major () Minor (X)

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

Functional Classification: Local Road

U. S. Route Number(s): None

State Route Number(s): None

Traffic (AADT):

Current Year: (2008) 1,400

Design Year: (2028) 2,050

Existing Design Features:

- 2 – 10 ft lanes with 1 ft grass shoulders
 - Posted speed 35 mph
 - Maximum grade: 3 %
 - Width of right of way: 50 ft.
 - Major structures: Structure I.D. # 295-0035-0 28' X 20' Sufficiency Rating = 40.60
 - The existing length of roadway begins at M.P. 0.28 and ends at M.P. 0.36 (appr. 450 ft.)
- Maximum degree of curvature: 5 degrees

Proposed Design Features:

- Proposed typical section(s): 2 – 12 ft lanes with 2 ft paved/6 ft grassed shoulders
- Proposed Design Speed Mainline 40 mph
- Proposed Maximum grade Mainline 5 % Maximum grade allowable 10 %.
- Proposed Maximum grade Side Street 5 % Maximum grade allowable 10 %.
- Proposed Maximum grade driveway 15 %
- Proposed Maximum degree of curve 12 deg. Maximum degree allowable 12 deg.
- Right of way
 - Width 80 ft.
 - Easements: Temporary (X), Permanent (), Utility (), Other ().
 - Type of access control: Full (X), Partial (), By Permit (), Other ().
 - Number of parcels: 4 Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures:
 - Bridges 38' - 400' ~~40 ft X 20 ft~~ – Final size and type of structure will be determined by the Hydraulic Report. (A Bridge Culvert, if the hydraulics will allow, used at this site would provide flexibility with the proposed grades. This location is only 211 ft from the intersection with S.R. 193)
- Traffic control during construction: Road to be closed during construction.

Project Concept Report page 5
 Project Number: BR-0003-00 (452)
 P. I. Number: 0003452
 County: Walker

- Design Exceptions to controlling criteria anticipated:

	<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**
- Environmental concerns: **TVA. Section 404, Water quality**
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - Categorical exclusion: Anticipated (X),
- Utility involvements: Water, Sewer, Power, Communications, Gas

Project responsibilities:

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

Coordination

- Concept meeting date and brief summary. Attach minutes.
- FEMA, USCG, and TVA
- Public involvement. Public Officials invited to Concept Team Meeting
- Other projects in the area: **BR-0003-00 (453)**

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 18 Months.
- Time to complete preliminary construction plans: 6 Months.
- Time to complete right of way plans: 12 Months.
- Time to complete the Section 404 Permit: 12 Months.
- Time to complete final construction plans: 6 Months.
- Time to complete to purchase right of way: 6 Months.

Other alternates considered: None

Project Concept Report page 6
Project Number: BR-0003-00 (452)
P. I. Number: 0003452
County: Walker

Comments:

Attachments:

1. Cost Estimates:
 - a. Construction including E&C,
 - b. Right of Way, and
 - c. Utilities.
2. Sketch location map,
3. Typical section,
4. Accident summaries,
5. Bridge inventory,
6. Minutes of Concept Team meeting,
7. LGPA,
8. Location and Design Notice

SCORING RESULTS AS PER TOPPS 2440-2

Project Number:		County:		PI No.:	
Report Date:		Concept By:			
<input type="checkbox"/> CONCEPT		DOT Office:			
		Consultant:			
Project Type: Choose One From Each Column		<input type="checkbox"/> Major	<input type="checkbox"/> Urban	<input type="checkbox"/> ATMS	
		<input type="checkbox"/> Minor	<input type="checkbox"/> Rural	<input 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					
Judgement					
Environmental					
Right of Way					
Utility					
Constructability					
Schedule					

PRELIMINARY COST ESTIMATE**DATE:** 2/19/2003**PROJECT:** BR-0003-00 (452) Walker**P.I. NO:** 0003452**PROJECT DESCRIPTION:** Bridge on CR 835 over Chattanooga Creek in Walker County**PROPOSED CONCEPT:** Bridge replacement**EXISTING ROAD:** 2 - 10 ft lanes w/ 1 ft grassed shoulders**TRAFFIC:** EXISTING (2008) = 1,400 DESIGN (2028) = 2,050**() PROGRAMMED PROCESS (X) CONCEPT DEVELOPMENT () DURING PROJECT DEVELOPMENT****PROJECT COST****A. RIGHT-OF-WAY**

1. PROPERTY (LAND & EASEMENTS) \$ 10,000.00

2. DISPLACEMENTS \$ 0.00

3. OTHER COSTS \$ 3,500.00

SUBTOTAL \$ 13,500.00

B. REIMBURSABLE UTILITIES

1. RAILROAD \$ 0.00

2. TRANSMISSION LINES \$ 0.00

3. SERVICES \$ 0.00

SUBTOTAL \$ 0.00

C. MAJOR STRUCTURES

1. WALLS \$ 0.00

2. BRIDGE STREAM CROSSINGS \$ 60,000.00
40' x 30' @ \$50/sq. ft.

3. BRIDGE OVER/UNDERPASS \$ 0.00

4. BOX CULVERTS \$ 0.00

SUBTOTAL \$ 60,000.00

D. GRADING AND DRAINAGE

1. EARTHWORK	\$ 80,000.00
10,000 cubic yards @ \$8.00/yard	
2. DRAINAGE	
a. CROSS DRAIN PIPES (EXC. BOX CULVERTS)	\$ 0.00
b. CURB AND GUTTER	\$ 0.00
c. LONGITUDINAL SYSTEM (INCL. CATCH BASINS)	\$ 0.00

SUBTOTAL \$ 80,000.00

E. BASE AND PAVING

1. AGGREGATE BASE	\$ 9,000.00
300 tons @ \$30/ton	
2. ASPHALT PAVING	\$ 8,000.00
160 tons @ \$50/ton	
3. CONCRETE PAVING	\$ 0.00
4. OTHER	\$ 15,000.00

SUBTOTAL \$ 32,000.00

F. LUMP ITEMS

1. TRAFFIC CONTROL	\$ 10,000.00
2. CLEARING AND GRUBBING	\$ 3,000.00
0.86 acres @ \$3,500/acre	
3. LANDSCAPING	\$ 10,000.00
4. EROSION CONTROL	\$ 30,000.00
5. DETOURS (INCL. TEMP. BRIDGES)	\$ 0.00

SUBTOTAL \$ 53,000.00

G. MISCELLANEOUS

1. LIGHTING	\$ 0.00
2. SIGNING - STRIPING	\$ 2,000.00
3. GUARDRAIL	\$ 15,000.00
4. OTHER	\$ 25,000.00

SUBTOTAL \$ 42,000.00

H. SPECIAL FEATURES

SUBTOTAL \$ 0.00

ESTIMATE SUMMARY

A. RIGHT-OF-WAY	\$ 13,500.00
B. REIMBURSABLE UTILITIES	\$ 0.00

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES	\$ 60,000.00
D. GRADING AND DRAINAGE	\$ 80,000.00
E. BASE AND PAVING	\$ 32,000.00
F. LUMP ITEMS	\$ 53,000.00
G. MISCELLANEOUS	\$ 42,000.00
H. SPECIAL FEATURES	\$ 0.00
SUBTOTAL CONSTRUCTION COST	\$ 267,000.00
E & C (10%)	\$ 26,700.00
INFLATION (5% PER YEAR FOR 2 YEARS)	\$ 29,370.00
TOTAL CONSTRUCTION COST	\$ 323,070.00
GRAND TOTAL COST	\$

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0003-00 (452) **OFFICE** Cartersville
Walker County
Bridge Replacement CR 835 **DATE** May 21, 2003
P.I. 0003452

FROM Kerry D. Bonner
District Utilities Engineer

TO DeWayne Comer
District Pre-Construction Engineer

ATTN David Moore
District Road Design Engineer

SUBJECT PRELIMINARY UTILITY COST ESTIMATE

As requested by your office, we are furnishing you with a Preliminary Utility Cost estimates for each utility with facilities potentially located within the project limits.

FACILITY OWNER	NON- REIMBURSABLE	REIMBURSABLE	LOCAL GOVT. COST
Atlanta Gas Light	\$8,000.00		
Chattanooga EPB	\$15,000.00		
BellSouth	\$25,000.00		
Walker County Water			\$27,125.00
Totals	\$48,000.00		\$27,125.00

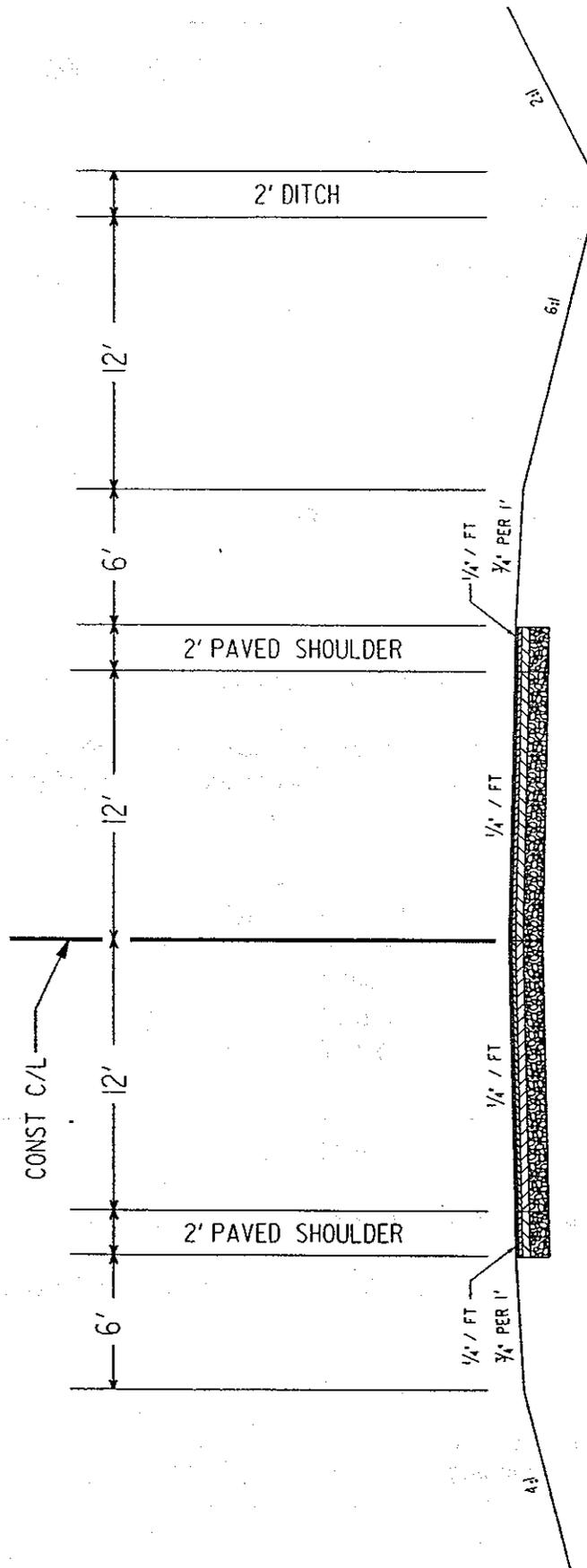
Total Preliminary Utility Cost Estimate \$75,125.00

If you have any questions, please contact Royce Turner at 770-387-3615.

KDB/RET/rt

C: Jeff Baker, State Utilities Engineer;
Herman Griffin, Office of Programming;
Devon Brooks, Area Engineer
File/Estimating Book

TYPICAL SECTION



REC NUM	COUNTY	DATE	TIME	RD N S	MILE	F	TOT INJ	TYPE ACCIDENT
1	WALKER	01/17/98	11:17	193 00	0.33	0	0	HEAD ON
2	WALKER	06/19/98	17:51	193 00	0.33	0	0	REAR END
3	WALKER	02/23/98	16:55	193 00	0.40	0	1	PEDESTRIAN

enter (Y/N) to see all information about a specific accident :

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 295-0035-0

Walker

SUFF. RATING

40.60

Location & Geography

* Structure I.D.No: 295-0035-0

* 200 Bridge Information: 07

* 6A Feature Int: CHATTANOOGA CREEK O/F

* 6B Critical Bridge: 0

* 7A Route Number Carried: CR00835

* 7B Facility Carried: HAPPY VALLEY ROAD

* 9 Location: 4 MI SW OF ROSSVILLE

2 DOT District: 6

207 Year Photo: 1998

* 91 Inspection Frequency: 24 Date: 01/11/2001

* 92A Fract Crit Insp Freq: 00 Date: 02/01/1901

* 92B Underwater Insp Freq: 00 Date: 02/01/1901

* 92C Other Spc. Insp Freq: 00 Date: 02/01/1901

* 4 Place Code: 00000

* 5 Inventory Route (O/U): 1

Type: 4

Designation: 1

Number: 00835

Direction: 0

* 16 Latitude: 34-56.5

* 17 Longitude: 85-20.3

98 Border Bridge: 000 %Shared: 00

99 ID Number: 0000000000000000

* 100 STRAHNET: 0

12 Base Highway Network: 0

13A LRS Inventory Route:

13B Sub Inventory Route: N

* 101 Parallel Structure: 2

* 102 Direction of Traffic: 000.32

* 264 Road Inventory Mile Post: 06

* 208 Inspection Area: 06 Initials: DEM

Engineer's Initial:

* Location I.D. No.: 295-00835X-000.32E

Signs & Attachments

* 104 Highway System: 0

* 26 Functional Classification: 09

* 204 Federal Route Type: 0 No.: 00000

* 105 Federal Lands Highway:

* 110 Truck Route: 0

* 206 School Bus Route: 1

* 217 Benchmark Elevation: 0000.00

* 218 Datum: 0

* 19 Bypass Length: 01

* 20 Toll: 3

* 21 Maintenance: 02

* 22 Owner: 02

* 31 Design Load: 0

* 37 Historical Significance: 5

* 205 Congressional District: 09

* 27 Year Constructed: 1935

* 106 Year Reconstructed: 0000

* 33 Bridge Median: 0

* 34 Skew: 00

* 35 Structred Flared: 0

* 38 Navigation Control: 0

* 213 Special Steel Design: 0

* 267 Type of Paint: 6

* 42 Type of Service on: 1

* 214 Movable Bridge: 0

* 203 Type Bridge: A-O-M-O

* 259 Pile Encasement: 3

* 43 Structure Type Main: 3 02

* 45 No. Spans Main: 001

* 44 Structure Type Appr: 0 00

* 46 No. Spans Appr: 0000

* 226 Bridge Curve Horz: 0 Vert: 0

* 111 Pier Protection: 0

* 107 Deck Structure Type: 1

* 108 Wearing Surface Type: 6

M: 0

F: 0

225 Expansion Joint Type: 00

242 Deck Drains: 0

243 Parapet Location: 0

Height: 0.00

Width: 0.00

238 Curb: 0

239 Handrail: 2 2

* 240 Median Barrier Rail: 0

241 Bridge Median Height: 0.00

Width: 0.00

* 230 Guardrail Loc Dir Rear: 6

Fwrdd: 6

Oppo Dir Rear: 0

Fwrdd: 0

244 Approach Slab: 0

224 Retaining Wall: 1

233 Posted Speed Limit: 00

236 Warning Sign: 0

234 Delineator: 1

235 Hazard Boards: 1

237 Utilities Gas: 22

W: 00

Ele: 00

Telephone: 00

St: 00

247 Lighting Street: 0

Navigatgon: 0

Aerial: 0

* 248 County Continuity No.: 00

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 295-0035-0

Walker

SUFF. RATING

40.60

Programming Data

201 Project No.: COUNTY DESIGN
 202 Plans Available: 0
 249 Prop. Proj. No. BR-0003-00 (453)
 250 Approval Status: 0000
 251 P.I. No.: 0003453
 252 Contract Date: 02/01/2006
 260 Seismic No.: 00000
 75 Type Work: 31 1
 94 Bridge Imp. Cost: \$ 44
 95 Roadway Imp. Cost: \$ 44
 96 Total Imp Cost: \$ 101
 76 Imp. Length: 000239
 97 Imp. Year: 1990
 114 Future ADT: 4200 Year: 2019

Measurements

* 29 ADT: 002800 Year: 1999
 109 % Trucks: 2
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0028
 * 49 Structure Length: 28
 51 Br. Rwdy. Width: 20.10
 52 Deck Width: 22.00
 * 47 Tot. Horz. Cl: 20.10
 50 Curb/Sdewlk Width: 0.00/0.00
 32 Approach Rdwy Width: 020
 * 229 Shoulder Width:
 Rear Lt: 1.00 Type: 8 Rt: 1.00
 Fwrd Lt: 1.00 Type: 8 Rt: 1.00

Ratings

65 Inventory Rating Method: 2
 63 Inventory Rating Method: 2
 66 Inventory Type: 2 Rating: 11
 64 Operating Type: 2 Rating: 26
 231 Calculated Loads
 H-Modified: 08 1
 HS-Modified: 00 0
 Type 3: 00 0
 Type 3s2: 00 0
 Timber: 00 0
 Piggyback: 00 0

261 H Inventory Rating: 07
 262 H Operating Rating: 16
 67 Structural Evaluation: 2
 58 Deck Condition: 5
 * 59 Superstructure Condition: 6
 227 Collision Damage: 0
 60A Substructure Condition: 6
 60B Scour Condition: 7
 60C Underwater Condition: N
 71 Waterway Adequacy: 9
 61 Channel Protection Cond: 8
 68 Deck Geometry: 2
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 8
 62 Culvert: N

Hydraulic Data

215 Waterway Data
 Highwater Elev.: 0000.0 Year: 1900
 Avg. Streambed Elev.: 0000.0 Freq.: 00
 Drainage Area: 00000
 Area Of Opening: 000000
 113 Scour Critical: 6.
 216 Water Depth: 03.7 Br. Height: 06.5
 222 Slope Protection: 0
 221 Spur Dikes Rear: 0 Fwrd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No. Barrels: 0
 Width: 0.00 Height: 0.00
 Length: 0 Apron: 0 Diver: ZZZ
 * 265 U/W Insp. Area: 0

Posting Data

70 Bridge Posting Required: 2
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: 0
 232 Posted Load -Modified: 08
 HS-Modified: 00
 Type 3: 00
 Type3s2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date: 07/22/1996
 253 Fed Notify Date: 02/01/1901 0

* Location I.D. No.: 295-00835X-000.32E

212 Year Last Painted: Sup: 1935 Sub: 0000

253 Notification Date: 07/22/1996
 253 Fed Notify Date: 02/01/1901

GEORGIA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Report

District: 6
Bridge Inspector: Danny Mealer
Location ID: 295-00835X-000.32E
Structure ID: 295-0035-0

Inspection Date: 1/11/01
Over: CHATTANOOGA CREEK O/F
County: Walker
Road Name: HAPPY VALLEY ROAD

Inspection Area: 06
Bridge Status: 07

EVALUATION & DEFICIENCIES

SubStructure:

Vertical wall concrete abutments founded on spread footings.

The substructure inventory capacity = H-10 (assigned)

Both abutments have age deterioration and minor cracking.
No wall scour or undermining could be detected at time of inspection.

SuperStructure:

1 span with (10) steel beams.

The superstructure inventory capacity = H-07 (calculated)

The beams are embedded into the deck with only the bottom flanges exposed.
The beams have no paint on the bottom flange with overall surface corrosion.
The exposed areas of the exterior beams have been painted.

Deck:

13" composite concrete "flat" slab. The deck is covered with an excessive 8" asphalt overlay.

The deck inventory capacity = H-14 (assigned)

The deck has heavy age deterioration due to poor concrete mix..
The right bridge railing throughout the structure has broken welds at the base connection of all steel posts.
This should be repaired.

General:

Built in 1935 as a local county design.

This structure is in satisfactory to fair condition due to age deterioration and corrosion.

The capacity can be upgraded by removing the excessive asphalt overlay.

Equipment used during this inspection, hand tools.
No ladder required due to the design.

Repairs: Clean and paint the bottom flange of all steel beams.
Repair the right handrail (guardrail), loose, broken welds.

County road #835 Happy Valley Road

Year Painted: 0000

Year Painted: 1935

GEORGIA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Report

District: 6
Bridge Inspector: Danny Mealer
Location ID: 295-00835X-000.32E
Structure ID: 295-0035-0

Inspection Date: 1/11/01
Over: CHATTANOOGA CREEK O/F
County: Walker
Road Name: HAPPY VALLEY ROAD

Inspection Area: 06
Bridge Status: 07

EVALUATION & DEFICIENCIES

Condition Rating

Temp Shored: No

Component	Material	Rating	Truck Type	Gross/H-Mod	HMod	Tand	3-S-2	Log	Piggy
Substructure	Concrete	6	Calculated Posting	08	00	00	00	00	00
Superstructure	Steel	6	Posting Required	Yes	No	No	No	No	No
Deck	Concrete	5	Existing Posting	08	00	00	00	00	00

School Bus Route.

Structure Requires Posting

Concept Team Meeting – NOTES

PROJECT: BR-0003-00(452)/BR-0003-00(453)

COUNTY: Walker

P.I. #: 0003452/0003453

Comments:

1. District Location – Wanted to know if PE authorized; extent of survey required
2. OEL – Possible historic property; change time to complete environmental process to 18 months
3. Walker County Utilities:
 - a. Water – Each side; will relocate; may reattach to new bridge
 - b. Sewer – Lower side; will relocate; may reattach to new bridge
 - c. AGL – Currently attached; may reattach to new bridge
 - d. EPB – Relocate to back of Req'd R/W; overhead
 - e. BellSouth – Fiber on 1st bridge; buried on 2nd; may reattach to new bridge
4. Walker County – Verbally agreed to close road during construction; good detours north and south of site; county will purchase R/W; county responsible for signing detours
5. District Construction – Wants road to be closed during construction
6. Miscellaneous – Happy Valley Rd formerly on SR system (SR 349); turned over to county in 1987.

Design
Project Files
1/30/02 KENT



Department of Transportation

State of Georgia
#2 Capitol Square, S.W.
Atlanta, Georgia 30334-1002

J. TOM COLEMAN, JR.
COMMISSIONER
(404) 656-5206

FRANK L. DANCHETZ
CHIEF ENGINEER
(404) 656-5277

HAROLD E. LINNENKOHL
DEPUTY COMMISSIONER
(404) 656-5212

BILLY F. SHARP
TREASURER
(404) 656-5224

January 16, 2002

Ms. Bebe Heiskell
Commission Chairman, WALKER County
P. O. Box 45
LaFayette, GA 30728

Dear Commission Chairman Heiskell:

SUBJECT: LOCAL GOVERNMENT PROJECT AGREEMENT

Project No. BR-0003-00(452) Walker Co. PI# 0003452
BRIDGES CR 835/HAPPY VALLEY RD @ CHATTANOOGA CK 4 MI SW OF ROSSVILLE

The Office of Financial Management has added the subject project to the Department's Construction Work Program. WALKER County is requested to indicate support of this project by executing the attached Local Government Agreement and returning it to this office.

Any project not contained in the Transportation Improvement Plan (TIP) for your area and/or the Statewide Plan (STIP) will be submitted for addition. This action is required by Federal law in the Transportation Equity Act for the 21st Century (TEA-21). TEA-21 also requires that the cost of the projects in the TIP/STIP be balanced with available Federal funds.

If you choose not to commit to this project it may be delayed until additional funding can be found. If you commit but later are unable to keep this commitment or if you do not respond, this project will be delayed until it can be rescheduled in the TIP/STIP. The longer you wait to commit, the longer the project will be delayed. TEA-21 requires long range planning.

If you have any questions, feel free to call me at (404) 656-5320 or Kent Sager, District Engineer in Cartersville at your convenience.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Herman T. Griffin".

Herman T. Griffin P. E.
Office of Financial Management Administrator

HTG/kp
Attachment
cc: Kent Sager
Cartersville District



Department of Transportation

State of Georgia

#2 Capitol Square, S.W.

Atlanta, Georgia 30334-1002

J. TOM COLEMAN, JR.
COMMISSIONER
(404) 656-5206

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TREASURER
(404) 656-5224

January 16, 2002

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, WALKER County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BR-0003-00(452) Walker Co., PI # 0003452: BRIDGES CR 835/HAPPY VALLEY RD @ CHATTANOOGA CK 4 MI SW OF ROSSVILLE

Provide all rights-of-way and/or easements needed for the construction of the project and remove existing structures or obstructions within the rights-of-way.

Make all utility relocations, adjustments or betterments of publicly owned utilities that are in conflict with construction of this project. Reimburse Georgia D.O.T. for any damages paid to the contractor for delay of construction caused by a delay in relocating the publicly owned utilities.

Relocate or adjust all privately owned utilities to clear construction of this project, including adjustments at railroad crossings if required.

Furnish detours, local borrow and waste pits as needed.

We support this project but choose not to commit any funding, realizing this may delay the project until additional funding can be found.

This 23rd day of January, 2002

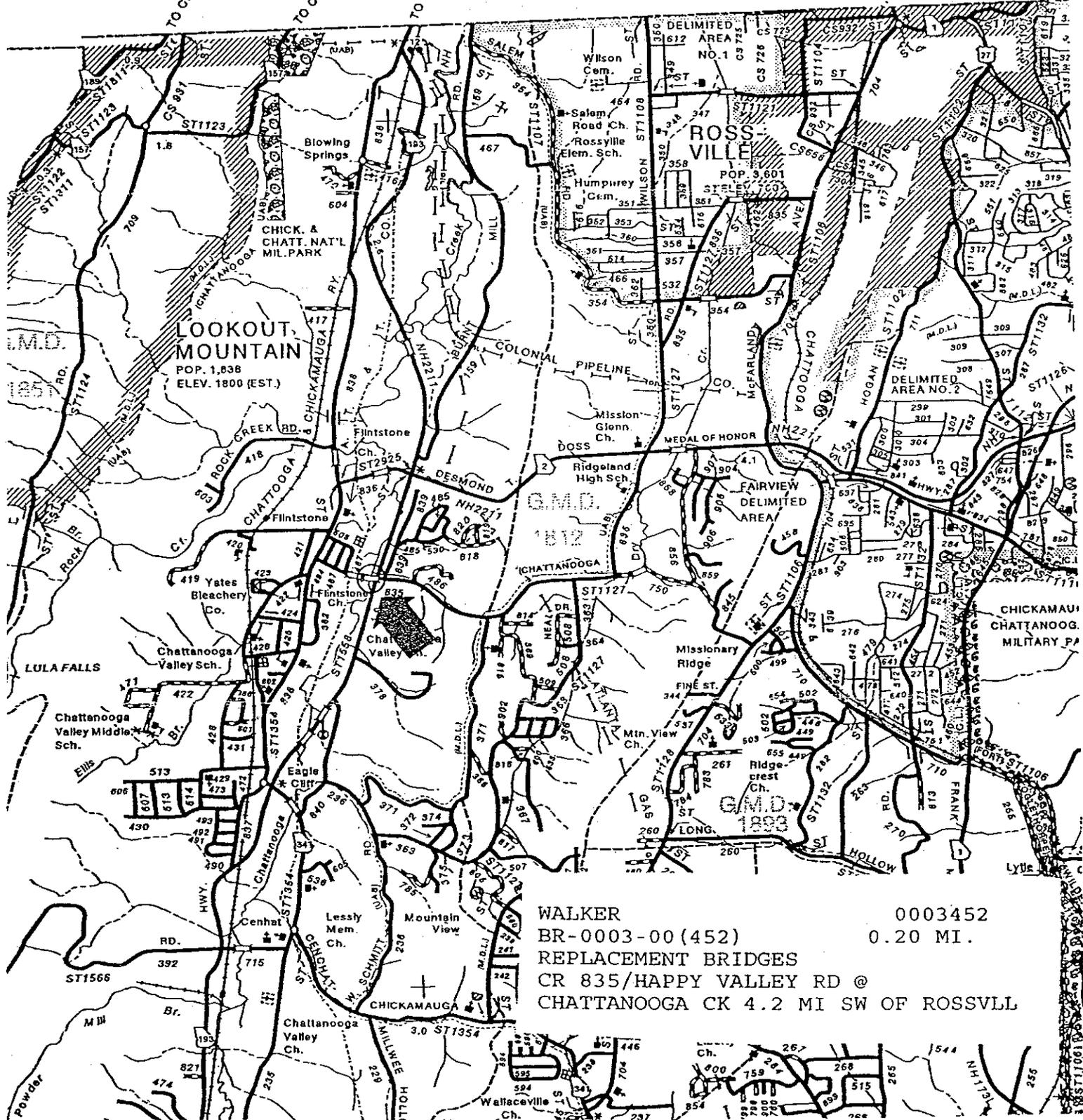
APPROVED

Bebe Heistell

City/County Official

T E N N E S S E E

HAMILTON COUNTY



NOTICE OF LOCATION AND DESIGN APPROVAL

***BR-0003-00(452) WALKER COUNTY
P.I. # 0003452***

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 this project.

The date of location approval: JUNE 10, 2003

This project consists of the replacement of the overflow bridge on County Road 835 (Happy Valley Road) in Walker County. This project is in GMD 1501 and in Land Lots 106 and 111.

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

*Devon Brooks
Devon.Woodworth@dot.state.ga.us
313 North Tibbs Road
Dalton, Georgia 30720
(706) 272-2211*

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:

*DeWayne Comer
District Preconstruction
DeWayne.Comer@dot.state.ga.us
500 Joe Frank Harris Parkway
Cartersville, GA 30120
(770) 387-3619*

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
DISTRICT SIX

PROJECT CONCEPT REPORT

Project Number: BR-0003-00 (452)

County: Walker

P. I. Number: 0003452

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 5-12-03

Curtis D. Connor
Project Manager

DATE 5/12/03

Heath J. Jernigan
Office Head/District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and 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 & Design Engineer

DATE 5/12/03

Heath J. Jernigan
District Engineer

DATE _____

Project Review Engineer

DATE 5/15/03

Paul V. Miller Jr.
Other Offices as required such as; Bridge Design, etc.
State Bridge Engineer

Project Concept Report page 4
Project Number: BR-0003-00 (452)
P. I. Number: 0003452
County: Walker

Is the project located in a Non-attainment area? () Yes (X) No.

PDP Classification: Major () Minor (X)
Federal Oversight: Full Oversight (), Exempt(X), State Funded(), or Other ()

Functional Classification: Local Road

U. S. Route Number(s): None **State Route Number(s):** None

Traffic (AADT):

Current Year: (2008) 1,400

Design Year: (2028) 2,050

Existing Design Features:

- 2 – 10 ft lanes with 1 ft grass shoulders
- Posted speed 35 mph
- Maximum grade: 3 %
- Width of right of way: 50 ft.
- Major structures: Structure I.D. # 295-0035-0 28' X 20' Sufficiency Rating = 40.60
- The existing length of roadway begins at M.P. 0.28 and ends at M.P. 0.36 (appr. 450 ft.)

Maximum degree of curvature: 5 degrees

Proposed Design Features:

- Proposed typical section(s): 2 – 12 ft lanes with 2 ft paved/6 ft grassed shoulders
- Proposed Design Speed Mainline 40 mph
- Proposed Maximum grade Mainline 5 % Maximum grade allowable 10 %.
- Proposed Maximum grade Side Street 5 % Maximum grade allowable 10 %.
- Proposed Maximum grade driveway 15 %
- Proposed Maximum degree of curve 12 deg. Maximum degree allowable 12 deg.
- Right of way
 - Width 80 ft.
 - Easements: Temporary (X), Permanent (), Utility (), Other ().
 - Type of access control: Full (X), Partial (), By Permit (), Other ().
 - Number of parcels: 4 Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures:
 - Bridges 40 ft X 20 ft – Final size and type of structure will be determined by the Hydraulic Report. (A Bridge Culvert, if the hydraulics will allow, used at this site would provide flexibility with the proposed grades. This location is only 211 ft from the intersection with S.R. 193)
- Traffic control during construction: Road to be closed during construction.

*38 ft 2050 AADT
speed design < 50 mph per*

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
DISTRICT SIX

PROJECT CONCEPT REPORT

Project Number: BR-0003-00 (452)

County: Walker

P. I. Number: 0003452

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 5-12-03

Curtis D. Connor
Project Manager

DATE 5/12/03

Mark L. Soren
Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE 5/15/03

Percy B. Mudd
State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE 5/12/03

Mark L. Soren
District Engineer

DATE _____

Project Review Engineer

DATE _____

Other Offices as required such as; Bridge Design, etc.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
DISTRICT SIX**

PROJECT CONCEPT REPORT

Project Number: BR-0003-00 (452)

County: Walker

P. I. Number: 0003452

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 5-12-03

Curtis D. Connor

Project Manager

DATE 5/12/03

Keith L. Sizer

Office Head/District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and 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 & Design Engineer

DATE 5/12/03

Keith L. Sizer

District Engineer

DATE 5/19/03

David J. Millington

Project Review Engineer

DATE _____

Other Offices as required such as; Bridge Design, etc.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
DISTRICT SIX

PROJECT CONCEPT REPORT

Project Number: BR-0003-00 (452)

County: Walker

P. I. Number: 0003452

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 5-12-03

Curtis D. Connor

Project Manager

DATE 5/12/03

Keith J. Sayer
Office Head/District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and 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 & Design Engineer

DATE 5/12/03

Keith J. Sayer
District Engineer

DATE _____

Project Review Engineer

DATE _____

Other Offices as required such as; Bridge Design, etc.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
DISTRICT SIX**

PROJECT CONCEPT REPORT

Project Number: BR-0003-00 (453)

County: Walker

P. I. Number: 0003453

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 5-12-03

Curtis D. Comer

Project Manager

DATE 5/12/03

Keith E. Sizer
Office Head/District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and 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 & Design Engineer

DATE 5/12/03

District Engineer

DATE _____

Project Review Engineer

DATE _____

Project Review Engineer

Project Review Engineer

Other Offices as required such as; Bridge Design, etc.

Project Concept Report page 3
Project Number: BR-0003-00 (453)
P. I. Number: 0003453
County: Walker

Need and Purpose: Project BR-0003-00 (453) will replace the existing bridge on CR 835/Happy Valley Road over Chattanooga Creek in Walker County. This project begins at M.P. 0.170 and ends at M.P. 0.275. The bridge does not meet criteria specified in GDOT's policy 2405-1. The bridge's sufficiency rating of 23.21 is not in compliance with the required rating of 50 or more, and the bridge's design live load of H-15 is not acceptable. The existing bridge's structural evaluation of 2 is less than the policy's required rating of 3 or greater, and the bridge's substructure condition of 4 is less than the policy's required rating of 5 or greater.

There is one other project in the area. Project BR-0003-00(452) will also replace an existing overflow bridge on CR 835 over Chattanooga Creek in Walker County. This project begins at M.P. 0.275 and ends at M.P. 0.360. The bridges are approximately 475 ft apart and they will be constructed simultaneously. The current traffic on the bridges is 740 ADT and the traffic is projected to increase to 2,050 ADT by 2028. The construction of the two bridges is scheduled to begin 2006.

Local and State transportation plans were reviewed to determine their involvement with the proposed Chattanooga Creek Bridge Project. This project lies within the Chattanooga urbanized area and is required to be included in the Metropolitan Planning Organization's 2025 Transportation Plan and Transportation Improvement Program. Also, this bridge project is not a part of the GDOT's Statewide Bicycle & Pedestrian Plan. The bridge is on a school bus route.

Walker County's minority population was low and its poverty level was almost average in comparison to the statewide percentages. The 2000 Census data found that 3.8 % of the county's population was black and 0.9% was Hispanic. According to statewide population data, 27% of the population was black and 1.7% was Hispanic. During 1997, about 14% of the county's population lived below the poverty level, compared with a statewide poverty level of 15%.

Chattanooga Creek Bridge should be replaced in order to bring it up to GDOT design standards.

Description of the proposed project: This Project is for the replacement of the Chattanooga Creek bridge on County Road 835 (Happy Valley Road) The Project begins at M.P. 0.17 and ends at M.P. 0.28 at the intersection of C.R. 835 and State Route 193 with a total project length of 0.085 miles (apx. 555 ft). This project is located 4.2 miles southwest of Rossville, Ga. This project will be constructed concurrently with project BR-0003-00(452) Walker County P.I. No. 0003452 which is the replacement of the bridge on C.R. 835 over Chattanooga Creek overflow. These two bridges are approximately 475 ft apart which will necessitate the projects being constructed together.

Project Concept Report page 4
Project Number: BR-0003-00 (453)
P. I. Number: 0003453
County: Walker

Is the project located in a Non-attainment area? () Yes (X) No.

PDP Classification: Major () Minor (X)

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

Functional Classification: Local Road

U. S. Route Number(s): None

State Route Number(s): None

Traffic (AADT):

Current Year: (2008) 1,400

Design Year: (2028) 2,050

Existing Design Features:

- 2 – 10 ft lanes with 1 ft grass shoulders
- Posted speed 35 mph
- Maximum grade: 3 %
- Width of right of way: 50 ft.
- Major structures: Structure I.D. # 295-0034-0 32' X 22.3' Sufficiency Rating = 23.21
- The existing length of roadway begins at M.P. 0.17 and ends at M.P. 0.28 (appr. 555 ft.)

Maximum degree of curvature: 5 degrees

Proposed Design Features:

- Proposed typical section(s): 2 – 12 ft lanes with 2 ft paved/6 ft grassed shoulders
- Proposed Design Speed Mainline 40 mph
- Proposed Maximum grade Mainline 5 % Maximum grade allowable 10 %.
- Proposed Maximum grade Side Street 5 % Maximum grade allowable 10 %.
- Proposed Maximum grade driveway 15 %
- Proposed Maximum degree of curve 12 deg. Maximum degree allowable 12 deg.
- Right of way
 - Width 80 ft.
 - Easements: Temporary (X), Permanent (), Utility (), Other ().
 - Type of access control: Full (X), Partial (), By Permit (), Other ().
 - Number of parcels: 4 Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures:
 - Bridges 60 ft X ^{38' deep}~~30~~ ft – The final type and size of structure will be determined by the Hydraulic Report.
- Traffic control during construction: Road to be closed during construction.

- Design Exceptions to controlling criteria anticipated:

	<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
- Environmental concerns: TVA, Section 404, Water quality
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - Categorical exclusion: Anticipated (X),
- Utility involvements: Water, Sewer, Power, Communications, Gas

Project responsibilities:

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

Coordination

- Initial Concept Meeting date and brief summary. Attach minutes.
- Concept meeting date and brief summary. Attach minutes.
- FEMA, USCG, and TVA
- Public involvement- Invited local officials to concept team meeting
- Local government comments.
- Other projects in the area: BR-0003-00 (452)

Scheduling – Responsible Parties’ Estimate

- Time to complete the environmental process: 18 Months.
- Time to complete preliminary construction plans: 6 Months.
- Time to complete right of way plans: 12 Months.
- Time to complete the Section 404 Permit: 12 Months.
- Time to complete final construction plans: 6 Months.
- Time to complete to purchase right of way: 6 Months.

Project Concept Report page 6
Project Number: BR-0003-00 (453)
P. I. Number: 0003453
County: Walker

Other alternates considered: None

Comments:

Attachments:

1. Cost Estimates:
 - a. Construction including E&C,
 - b. Right of Way, and
 - c. Utilities.
2. Sketch location map,
3. Typical section,
4. Accident summaries,
5. Bridge inventory,
6. Minutes of Concept Team meeting,
7. LGPA,
8. Location and Design Notice

SCORING RESULTS AS PER TOPPS 2440-2

Project Number:		County:		PI No.:	
Report Date:		Concept By:			
<input type="checkbox"/> CONCEPT		DOT Office:			
		Consultant:			
Project Type: Choose One From Each Column		<input type="checkbox"/> Major <input type="checkbox"/> Minor	<input type="checkbox"/> Urban <input type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input 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					
Judgement					
Environmental					
Right of Way					
Utility					
Constructability					
Schedule					

PRELIMINARY COST ESTIMATE**DATE:** 2/19/2003**PROJECT:** BR-0003-00 (453) Walker**P.I. NO:** 0003453**PROJECT DESCRIPTION:** Bridge on CR 835 over Chattanooga Creek in Walker County**PROPOSED CONCEPT:** Bridge replacement**EXISTING ROAD:** 2 - 10 ft lanes w/ 1 ft grassed shoulders**TRAFFIC:** EXISTING (2008) = 1,400 DESIGN (2028) = 2,050 PROGRAMMED PROCESS CONCEPT DEVELOPMENT DURING PROJECT DEVELOPMENT**PROJECT COST****A. RIGHT-OF-WAY**

1. PROPERTY (LAND & EASEMENTS)	\$ 12,000.00
2. DISPLACEMENTS	\$ 0.00
3. OTHER COSTS	\$ 4,000.00
SUBTOTAL	\$ 16,000.00

B. REIMBURSABLE UTILITIES

1. RAILROAD	\$ 0.00
2. TRANSMISSION LINES	\$ 0.00
3. SERVICES	\$ 0.00
SUBTOTAL	\$ 0.00

C. MAJOR STRUCTURES

1. WALLS	\$ 0.00
2. BRIDGE STREAM CROSSINGS 60' x 30' @ \$50/sq. ft.	\$ 90,000.00
3. BRIDGE OVER/UNDERPASS	\$ 0.00
4. BOX CULVERTS	\$ 0.00
SUBTOTAL	\$ 90,000.00

D. GRADING AND DRAINAGE		
1. EARTHWORK		\$ 160,000.00
20,000 cubic yards @ \$8.00/yard		
2. DRAINAGE		
a. CROSS DRAIN PIPES (EXC. BOX CULVERTS)		\$ 0.00
b. CURB AND GUTTER		\$ 0.00
c. LONGITUDINAL SYSTEM (INCL. CATCH BASINS)		\$ 0.00
	SUBTOTAL	\$ 160,000.00
E. BASE AND PAVING		
1. AGGREGATE BASE		\$ 15,000.00
500 tons @ \$30/ton		
2. ASPHALT PAVING		\$ 15,000.00
300 tons @ \$50/ton		
3. CONCRETE PAVING		\$ 0.00
4. OTHER		\$ 20,000.00
	SUBTOTAL	\$ 50,000.00
F. LUMP ITEMS		
1. TRAFFIC CONTROL		\$ 12,500.00
2. CLEARING AND GRUBBING		\$ 4,375.00
1.25 acres @ \$3,500/acre		
3. LANDSCAPING		\$ 13,000.00
4. EROSION CONTROL		\$ 30,000.00
5. DETOURS (INCL. TEMP. BRIDGES)		\$ 0.00
	SUBTOTAL	\$ 59,875.00
G. MISCELLANEOUS		
1. LIGHTING		\$ 0.00
2. SIGNING - STRIPING		\$ 3,500.00
3. GUARDRAIL		\$ 15,000.00
4. OTHER		\$ 30,000.00
	SUBTOTAL	\$ 48,500.00
H. SPECIAL FEATURES		
	SUBTOTAL	\$ 0.00

ESTIMATE SUMMARY

A. RIGHT-OF-WAY	\$ 16,000.00
B. REIMBURSABLE UTILITIES	\$ 0.00

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES	\$ 90,000.00
D. GRADING AND DRAINAGE	\$ 160,000.00
E. BASE AND PAVING	\$ 50,000.00
F. LUMP ITEMS	\$ 59,875.00
G. MISCELLANEOUS	\$ 48,500.00
H. SPECIAL FEATURES	\$ 0.00

SUBTOTAL CONSTRUCTION COST \$ 408,375.00

E & C (10%) \$ 40,837.50

INFLATION (5% PER YEAR FOR 2 YEARS) \$ 44,921.25

TOTAL CONSTRUCTION COST \$ 494,133.75

GRAND TOTAL COST \$

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0003-00 (453)
Walker County
Bridge Replacement CR 835
P.I. 0003453

OFFICE Cartersville

DATE May 21, 2003

FROM Kerry D. Bonner
District Utilities Engineer

TO DeWayne Comer
District Pre-Construction Engineer

ATTN David Moore
District Road Design Engineer

SUBJECT PRELIMINARY UTILITY COST ESTIMATE

As requested by your office, we are furnishing you with a Preliminary Utility Cost estimates for each utility with facilities potentially located within the project limits.

FACILITY OWNER	NON- REIMBURSABLE	REIMBURSABLE	LOCAL GOVT. COST
Atlanta Gas Light	\$10,000.00		
Chattanooga EPB	\$15,000.00		
BellSouth	\$35,000.00		
Walker County Water			\$31,375.00
Totals	\$70,000.00		\$31,375.00

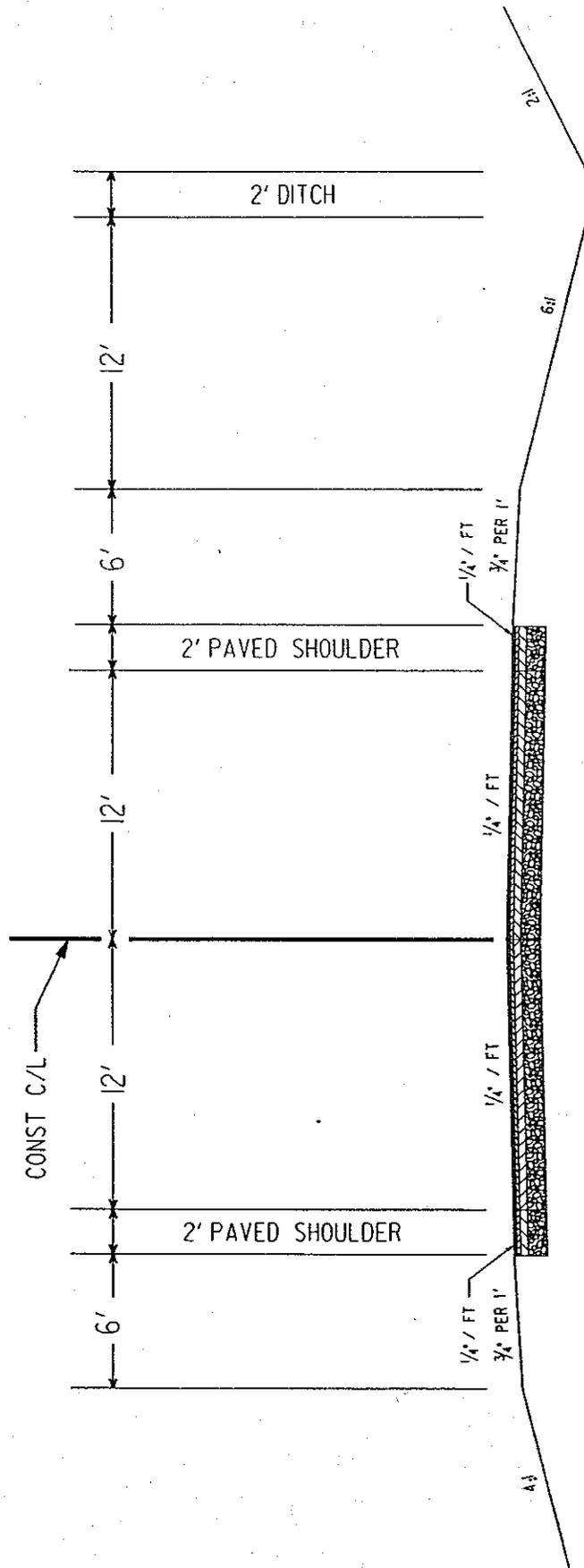
Total Preliminary Utility Cost Estimate \$101,375.00

If you have any questions, please contact Royce Turner at 770-387-3615.

KDB/RET/rt

**C: Jeff Baker, State Utilities Engineer;
Herman Griffin, Office of Programming;
Devon Brooks, Area Engineer
File/Estimating Book**

TYPICAL SECTION



REC NUM	COUNTY	DATE	TIME	RD N S	MILE	F	TOT INJ	TYPE ACCIDENT
1	WALKER	01/17/98	11:17	193 00	0.33	0	0	HEAD ON
2	WALKER	06/19/98	17:51	193 00	0.33	0	0	REAR END
3	WALKER	02/23/98	16:55	193 00	0.40	0	1	PEDESTRIAN

enter (Y/N) to see all information about a specific accident :

1000

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 295-0034-0 Walker SUFF. RATING 23.21

Location & Geography

* Structure I.D.No: 295-0034-0
 * 200 Bridge Information: 06
 * 6A Feature Int: CHATTANOOGA CREEK
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: CR00835
 * 7B Facility Carried: HAPPY VALLEY ROAD
 * 9 Location: 4.2 MI SW OF ROSSVILLE

2 DOT District: 6
 207 Year Photo: 1998
 * 91 Inspection Frequency: 24 Date: 01/11/2001
 92A Fract Crit Insp Freq: 00 Date: 02/01/1901
 92B Underwater Insp Freq: 60 Date: 08/13/2001
 92C Other Spc. Insp Freq: 00 Date: 02/01/1901
 * 4 Place Code: 00000
 * 5 Inventory Route (O/U): 1

Type: 4
 Designation: 1
 Number: 00835
 Direction: 0
 * 16 Latitude: 34-56.5 MMS Prefix:
 * 17 Longitude: 85-20.4 MMS Suffix: MP: 0.00
 98 Border Bridge: 000 %Shared: 00
 99 ID Number: 0000000000000000

* 100 STRAHNET: 0
 12 Base Highway Network: 1
 13A LRS Inventory Route: 2952083500
 13B Sub Inventory Route: 0
 * 101 Parallel Structure: N
 * 102 Direction of Traffic: 2
 * 264 Road Inventory Mile Post: 000.23
 * 208 Inspection Area: 06 Initials: DEM
 Engineer's Initial: wss

* Location I.D. No.: 295-00835X-000.23E

Signs & Attachments

* 104 Highway System: 0
 * 26 Functional Classification: 09
 * 204 Federal Route Type: 0 No.:
 * 105 Federal Lands Highway: 0
 * 110 Truck Route: 0
 * 206 School Bus Route: 1
 * 217 Benchmark Elevation: 0000.00
 * 218 Datum: 0
 * 19 Bypass Length: 01
 * 20 Toll: 3
 * 21 Maintenance: 02
 * 22 Owner: 02
 * 31 Design Load: 2
 * 37 Historical Significance: 5
 * 205 Congressional District: 09
 * 27 Year Constructed: 1921
 * 106 Year Reconstructed: 1942
 * 33 Bridge Median: 0
 * 34 Skew: 00
 * 35 Structred Flared: 0
 * 38 Navigation Control: 0
 * 213 Special Steel Design: 0
 * 267 Type of Paint: 1
 * 42 Type of Service on: 1
 * 5
 * 214 Movable Bridge: 0
 * 203 Type Bridge: A-O-N-O
 * 259 Pile Encasement: 3
 * 43 Structure Type Main: 1 04
 * 45 No. Spans Main: 001
 * 44 Structure Type Appr: 0 00
 * 46 No. Spans Appr: 0000
 * 226 Bridge Curve Horz: 0 Vert: 0
 * 111 Pier Protection: 0
 * 107 Deck Structure Type: 1
 * 108 Wearing Surface Type: 6
 * 248 County Continuity No.: 00

225 Expansion Joint Type: 00
 242 Deck Drains: 0
 243 Parapet Location: 0
 Height: 0.00
 Width: 0.00
 238 Curb: 0.20 1
 239 Handrail: 1 1
 * 240 Median Barrier Rail: 0
 241 Bridge Median Height: 0.00
 Width: 0.00
 * 230 Guardrail Loc Dir Rear: 6
 Fwrdd: 6
 Oppo Dir Rear: 0
 Fwrdd: 0
 244 Approach Slab: 0
 224 Retaining Wall: 1
 233 Posted Speed Limit: 35
 236 Warning Sign: 0
 234 Delineator: 1
 235 Hazard Boards: 1
 237 Utilities Gas: 32
 W 31
 Ele 00
 Telephone: 00
 Sk 00
 247 Lighting Street: 0
 Navigatoin: 0
 Aerial: 0

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 295-0034-0

Walker

SUFF. RATING

23.21

Programming Data

201 Project No.: UNKNOWN
 202 Plans Available: 0
 249 Prop. Proj. No. BR-0003-00 (452)
 250 Approval Status: 0000
 251 P.I. No.: 0003452
 252 Contract Date: 02/01/2006
 260 Seismic No.: 00000
 75 Type Work: 31 1
 94 Bridge Imp. Cost: \$ 51
 95 Roadway Imp. Cost: \$ 232
 96 Total Imp Cost: \$ 317
 76 Imp. Length: 001352
 97 Imp. Year: 1990
 114 Future ADT: 1110 Year: 2020

Measurements

* 29 ADT: 000740 Year: 2000
 109 % Trucks: 3
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0032
 * 49 Structure Length: 32
 51 Br. Rwdy. Width: 22.30
 52 Deck Width: 23.70
 * 47 Tot. Horz. Cl: 22.30
 50 Curb/Sdewlk Width: 0.00/0.00
 32 Approach Rdwy Width: 020
 * 229 Shoulder Width:
 Rear Lt: 3.00 Type: 8 Rt: 3.00
 Fwd Lt: 3.00 Type: 8 Rt: 3.00
 Pavement Width:
 Rear: 20.00 Type: 2
 Fwd: 20.00 Type: 2 Fwd: 0
 Intersection Rear: 0
 36 Safety Features Br. Rail:
 Transition: 0
 App. G. Rail: 1
 App. Rail End: 1
 53 Minimum Cl. Over:
 Under: N
 * 228 Min. Vertical Cl
 Act. Odm Dir: 99 ' 99 "
 Oppo. Dir: 99 ' 99 "
 Posted Odm. Dir: 00 ' 00 "
 Oppo. Dir: 00 ' 00 "
 55 Lateral Undercl. Rt: N 99.90
 56 Lateral Undercl. Lt: 0.00
 * 10 Max Min Vert Cl: 99 ' 99 " Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 8.50
 Deck Thick Approach: 0.00
 246 Overlay Thickness: 8.00
 212 Year Last Painted: Sup: 1970 Sub: 0000

Ratings

65 Inventory Rating Method: 2
 63 Inventory Rating Method: 2
 66 Inventory Type: 2 Rating: 10
 64 Operating Type: 2 Rating: 25
 231 Calculated Loads
 H-Modified: 07 1
 HS-Modified: 00 0
 Type 3: 00 0
 Type 3s2: 00 0
 Timber: 00 0
 Piggyback: 00 0

261 H Inventory Rating: 06
 262 H Operating Rating: 16
 67 Structural Evaluation: 2
 58 Deck Condition: 6
 59 Superstructure Condition: 5
 * 227 Collision Damage: 0
 60A Substructure Condition: 4
 60B Scour Condition: 6
 60C Underwater Condition: 5
 71 Waterway Adequacy: 9
 61 Channel Protection Cond: 5
 68 Deck Geometry: 4
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 5
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 2
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: 0
 232 Posted Load -Modified: 08
 HS-Modified: 00
 Type 3: 00
 Type3s2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date 07/22/1996
 253 Fed Notify Date: 02/01/1901

Hydraulic Data

215 Waterway Data
 Highwater Elev.: 0000.0 Year: 1900
 Avg. Streambed Elev.: 0000.0 Freq.: 00
 Drainage Area: 00000
 Area Of Opening: 000000
 113 Scour Critical: 6
 216 Water Depth: 05.0 Br. Height: 10.0
 222 Slope Protection: 0
 221 Spur Dikes Rear: 0 Fwd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No. Barrels: 0
 Width: 0.00 Height: 0.00
 Length: 0 Apron: 0
 * 265 U/W Insp. Area: 1 Diver: RM

* Location I.D. No.: 295-00835X-000.23E

GEORGIA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Report

District: 6
Bridge Inspector: Danny Mealer
Location ID: 295-00835X-000.23E
Structure ID: 295-0034-0

Inspection Date: 1/11/01
Over: CHATTANOOGA CREEK
County: Walker
Road Name: HAPPY VALLEY ROAD

Inspection Area: 06
Bridge Status: 06

EVALUATION & DEFICIENCIES

SubStructure:

Year Painted: 0000

Vertical wall concrete abutments founded on spread footings.

The substructure inventory capacity = H-15 (assigned)

The abutments are deteriorated and cracked.

The left wing at abutment #2 has broken away.

This has allowed the roadway to settle and the shoulder to erode to the edge of the pavement.

Also due to this condition the exterior beam does not have full bearing and has shifted to the left approximately 1".

These conditions must be repaired because this broken wing could overturn and the exterior beam slip from the abutment.

Replacement of the entire wing is required.

SuperStructure:

Year Painted: 1970

1 span original section with (4) concrete "T" beam per span.

The widening on the left side has (4) steel beams per span. These beams are spliced at various locations.

The beams were last painted in 1970.

The original superstructure inventory capacity = H-08 (H-15 assigned with 8" asphalt overlay)

The widening section inventory capacity = H-06 (calculated with 8" asphalt overlay)

The original section has age deterioration with random minor cracking and exposed reinforcement.

The widening section has minor surface spot corrosion.

Deck:

8 1/2" concrete slab covered with an excessive (8") asphalt overlay.

The deck inventory capacity = H-14 (assigned)

The deck concrete has moderate age deterioration due to a poor grade of concrete.

General:

Built in 1921 and widened in 1942 as a local county design.

This structure is in poor to satisfactory condition due to age and wing failure.

Equipment used during this inspection, hand tools.

No ladder required due to the cap height.

Repairs: Remove the excessive asphalt overlay.

Replace the left wing at abutment #2.

Place correct posting signs at each end of this route (7 ton).

If the excessive overlay was removed and the wing repaired this structure could be upgraded.

The existing posting signs are for an adjacent bridge on this route.

No side roads between the structures, signing should be changed to gross 7 ton and still serve both structures.

County road #835 Happy Valley Road

GEORGIA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Report

District: 6
Bridge Inspector: Danny Mealer
Location ID: 295-00835X-000.23E
Structure ID: 295-0034-0

Inspection Date: 1/11/01
Over: CHATTANOOGA CREEK
County: Walker
Road Name: HAPPY VALLEY ROAD

Inspection Area: 06
Bridge Status: 06

EVALUATION & DEFICIENCIES

Condition Rating

Temp Shored: No

Component	Material	Rating
Substructure	Concrete	4
Superstructure	Steel & Conc.	5
Deck	Concrete	6

Truck Type	Gross/H-Mod	HMod	Tand	3-S-2	Log	Piggy
Calculated Posting	07	00	00	00	00	00
Posting Required	Yes	No	No	No	No	No
Existing Posting	08	00	00	00	00	00

School Bus Route.

Structure Requires Posting

Concept Team Meeting – NOTES

PROJECT: BR-0003-00(452)/BR-0003-00(453)

COUNTY: Walker

P.I. #: 0003452/0003453

Comments:

1. District Location – Wanted to know if PE authorized; extent of survey required
2. OEL – Possible historic property; change time to complete environmental process to 18 months
3. Walker County Utilities:
 - a. Water – Each side; will relocate; may reattach to new bridge
 - b. Sewer – Lower side; will relocate; may reattach to new bridge
 - c. AGL – Currently attached; may reattach to new bridge
 - d. EPB – Relocate to back of Req'd R/W; overhead
 - e. BellSouth – Fiber on 1st bridge; buried on 2nd; may reattach to new bridge
4. Walker County – Verbally agreed to close road during construction; good detours north and south of site; county will purchase R/W; county responsible for signing detours
5. District Construction – Wants road to be closed during construction
6. Miscellaneous – Happy Valley Rd formerly on SR system (SR 349); turned over to county in 1987

Concept Team Meeting

Project: BR-0003-00(452) WALKER
 BR-0003-00(453) WALKER
 PI No.: 0003452
 0003453

Date: 6-~~8~~-03
 Meeting Date: 6-~~9~~-03

Meeting Roster:

NAME	OFFICE	
DAVID MOORE	DISTRICT DESIGN	(770) 387-3622
DAVID RAY	DIST. DESIGN	3623
Ben Winkler	Dalton Survey	706-272-2213
HARLAN Cowley	DIST. LOCATION	770-387-3622
Robby Roberson	Dalton Area office	706-272-2211
Kevin Crisp	Dalton Const.	706-272-2211
YETHA JACKSON	DEL	(404) 699-6866
Corey Carter	DEL	(404) 699-4403
Gene MATHIS	W.C. Water	706-820-1455
Glenn BARTON	WC WATER	706-820-1455
Tony Stevens	WC Roads	706-375-5601
David Allen	WC	706-638-1937
MARK WILLIAMS	ATLANTA GAS LIGHT	(423) 490-4232
BOB SKIDMORE	BRE SOUTH	423-266-8657
DAVID HENDERSON	EPB	423-648-3257
HERRY BOLTER	DUE	73873614



Department of Transportation

State of Georgia

#2 Capitol Square, S.W.

Atlanta, Georgia 30334-1002

J. TOM COLEMAN, JR.
COMMISSIONER
(404) 656-5206

FRANK L. DANCHETZ
CHIEF ENGINEER
(404) 656-5277

HAROLD E. LINNENKOHL
DEPUTY COMMISSIONER
(404) 656-5212

BILLY F. SHARP
TREASURER
(404) 656-5224

January 16, 2001

*Deuzyne
Project Files
1/30/02 Kent*

Ms. Bebe Heiskell
Commission Chairman, WALKER County
P. O. Box 45
LaFayette, GA 30728

Dear Commission Chairman Heiskell:

SUBJECT: LOCAL GOVERNMENT PROJECT AGREEMENT

Project No. BR-0003-00(453) Walker Co. PI# 0003453
BRIDGES CR 835/HAPPY VALLEY ROAD @ CHATTANOOGA CREEK OVERFLOW

The Office of Financial Management has added the subject project to the Department's Construction Work Program. WALKER County is requested to indicate support of this project by executing the attached Local Government Agreement and returning it to this office.

Any project not contained in the Transportation Improvement Plan (TIP) for your area and/or the Statewide Plan (STIP) will be submitted for addition. This action is required by Federal law in the Transportation Equity Act for the 21st Century (TEA-21). TEA-21 also requires that the cost of the projects in the TIP/STIP be balanced with available Federal funds.

If you choose not to commit to this project it may be delayed until additional funding can be found. If you commit but later are unable to keep this commitment or if you do not respond, this project will be delayed until it can be rescheduled in the TIP/STIP. The longer you wait to commit, the longer the project will be delayed. TEA-21 requires long range planning.

If you have any questions, feel free to call me at (404) 656-5320 or Kent Sager, District Engineer in Cartersville at your convenience.

Sincerely yours,

Herman T. Griffin P. E.

Office of Financial Management Administrator

HTG/kp

Attachment

cc: Kent Sager

Cartersville District



Department of Transportation

State of Georgia

#2 Capitol Square, S.W.

Atlanta, Georgia 30334-1002

J. TOM COLEMAN, JR.
COMMISSIONER
(404) 656-5206

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TREASURER
(404) 656-5224

January 16, 2001

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, WALKER County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BR-0003-00(453) Walker Co., PI # 0003453: BRIDGES CR 835/HAPPY VALLEY ROAD @ CHATTANOOGA CREEK OVERFLOW

Provide all rights-of-way and/or easements needed for the construction of the project and remove existing structures or obstructions within the rights-of-way.

Make all utility relocations, adjustments or betterments of publicly owned utilities that are in conflict with construction of this project. Reimburse Georgia D.O.T. for any damages paid to the contractor for delay of construction caused by a delay in relocating the publicly owned utilities.

Relocate or adjust all privately owned utilities to clear construction of this project, including adjustments at railroad crossings if required.

Furnish detours, local borrow and waste pits as needed.

We support this project but choose not to commit any funding, realizing this may delay the project until additional funding can be found.

This 22ND day of JANUARY, 2002

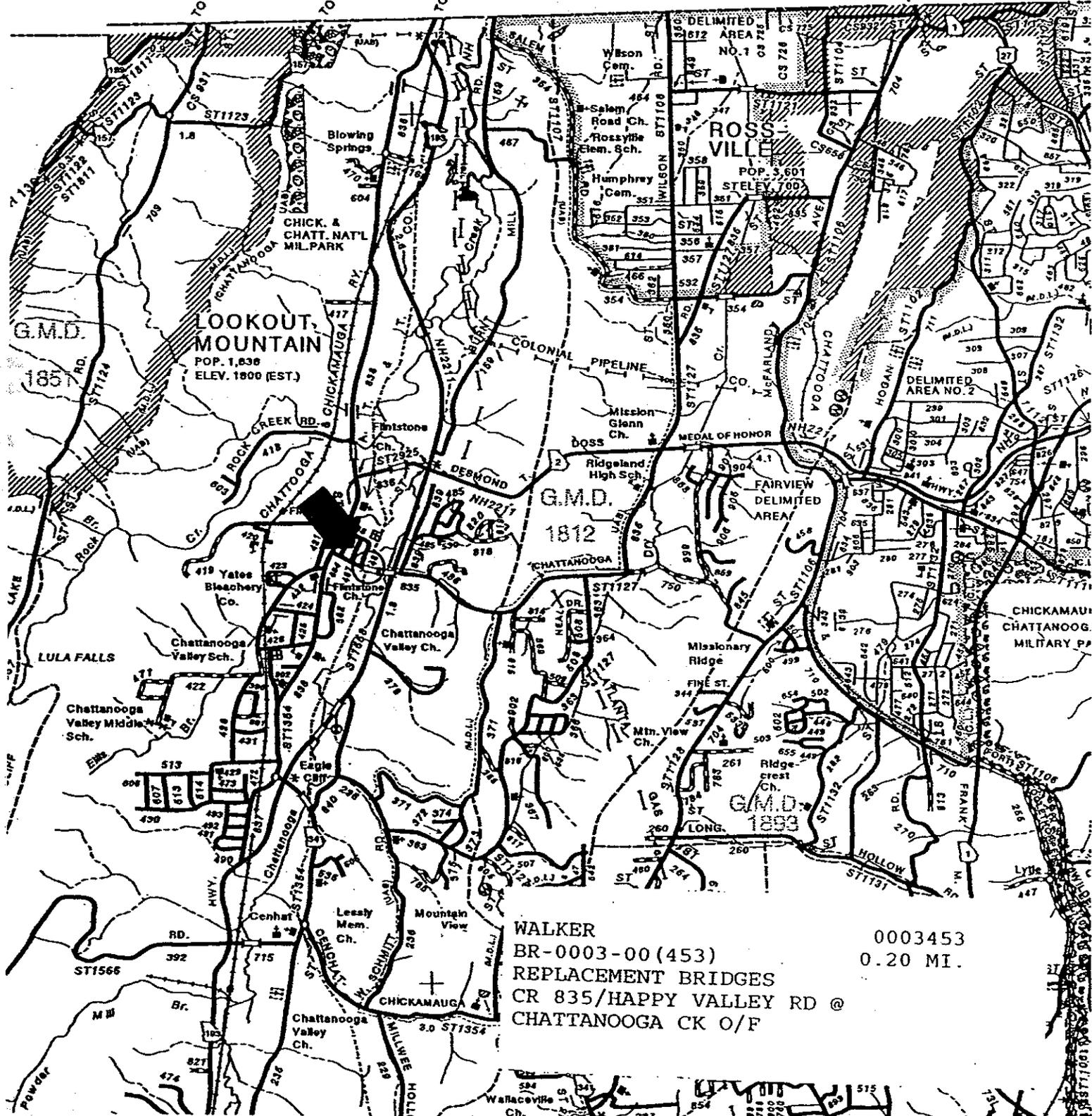
APPROVED Bene Heistell

City/County Official

T E N N E S S E E

H A M I L T O N C O U N T Y

TO CHATTANOOGA, TENN.
TO CHATTANOOGA, TENN.
TO CHATTANOOGA, TENN.
TO CHATTANOOGA, TENN.



WALKER
BR-0003-00 (453)
REPLACEMENT BRIDGES
CR 835/HAPPY VALLEY RD @
CHATTANOOGA CK O/F

0003453
0.20 MI.

NOTICE OF LOCATION AND DESIGN APPROVAL

BR-0003-00(453) WALKER COUNTY

P.I. # 0003453

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 this project.

The date of location approval: JUNE 10, 2003

This project consists of the replacement of the bridge over Chattanooga Creek on County Road 835 (Happy Valley Road) in Walker County. This project is in GMD 1501 and in Land Lots 106 and 111.

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

*Devon Brooks
Devon.Woodworth@dot.state.ga.us
313 North Tibbs Road
Dalton, Georgia 30720
(706) 272-2211*

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:

*DeWayne Comer
District Preconstruction
DeWayne.Comer@dot.state.ga.us
500 Joe Frank Harris Parkway
Cartersville, GA 30120
(770) 387-3619*

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
DISTRICT SIX**

PROJECT CONCEPT REPORT

Project Number: BR-0003-00 (453)

County: Walker

P. I. Number: 0003453

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 5-12-03

Curtis D. Comer

Project Manager

DATE 5/12/03

Keith J. Jager
Office Head/District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and 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 & Design Engineer

DATE 5/12/03

District Engineer

DATE _____

Project Review Engineer

DATE 5/15/03

Other Offices as required such as; Bridge Design, etc.

Paul V. Hill Jr.
State Bridge Engineer

Project Concept Report page 4
Project Number: BR-0003-00 (453)
P. I. Number: 0003453
County: Walker

Is the project located in a Non-attainment area? () Yes (X) No.

PDP Classification: Major () Minor (X)

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

Functional Classification: Local Road

U. S. Route Number(s): None

State Route Number(s): None

Traffic (AADT):

Current Year: (2008) 1,400

Design Year: (2028) 2,050

Existing Design Features:

- 2 – 10 ft lanes with 1 ft grass shoulders
- Posted speed 35 mph
- Maximum grade: 3 %
- Width of right of way: 50 ft.
- Major structures: Structure I.D. # 295-0034-0 32' X 22.3' Sufficiency Rating = 23.21
- The existing length of roadway begins at M.P. 0.17 and ends at M.P. 0.28 (appr. 555 ft.)

Maximum degree of curvature: 5 degrees

Proposed Design Features:

- Proposed typical section(s): 2 – 12 ft lanes with 2 ft paved/6 ft grassed shoulders
- Proposed Design Speed Mainline 40 mph
- Proposed Maximum grade Mainline 5 % Maximum grade allowable 10 %.
- Proposed Maximum grade Side Street 5 % Maximum grade allowable 10 %.
- Proposed Maximum grade driveway 15 %
- Proposed Maximum degree of curve 12 deg. Maximum degree allowable 12 deg.

• Right of way

○ Width 80 ft.

○ Easements: Temporary (X), Permanent (), Utility (), Other ().

○ Type of access control: Full (X), Partial (), By Permit (), Other ().

○ Number of parcels: 4

Number of displacements:

○ Business: 0

○ Residences: 0

○ Mobile homes: 0

○ Other: 0

• Structures:

○ Bridges 60 ft X 30 ft – The final type and size of structure will be determined by the Hydraulic Report.

• Traffic control during construction: Road to be closed during construction.

*38 ft 2050 AADT
Design Speed < 50 mph - M*

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
DISTRICT SIX

PROJECT CONCEPT REPORT

Project Number: BR-0003-00 (453)

County: Walker

P. I. Number: 0003453

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 5-12-03

Curtis D. Comer

Project Manager

DATE 5/12/03

Keith J. J...
Office Head/District Engineer

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

DATE _____

DATE 5/15/03

State Transportation Planning Administrator

Percy B. Middlebrooks
State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE 5/12/03

Keith J. J...
District Engineer

DATE _____

Project Review Engineer

DATE _____

Other Offices as required such as; Bridge Design, etc.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
DISTRICT SIX**

PROJECT CONCEPT REPORT

Project Number: BR-0003-00 (453)

County: Walker

P. I. Number: 0003453

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 5-12-03

Curtis D. Comer

Project Manager

DATE 5/12/03

Keith J. ...
Office Head/District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and 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 & Design Engineer

DATE 5/12/03

Keith J. ...

District Engineer

DATE 5/19/03

David J. ...

Project Review Engineer

DATE _____

Other Offices as required such as; Bridge Design, etc.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
DISTRICT SIX**

PROJECT CONCEPT REPORT

Project Number: BR-0003-00 (453)

County: Walker

P. I. Number: 0003453

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 5-12-03

Curtis D. Comer
Project Manager

DATE 5/12/03

Keith Soren
Office Head/District Engineer

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

DATE 6/2/03

Joseph P. Milled
State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE 5/12/03

Keith Soren
District Engineer

DATE _____

Project Review Engineer

DATE _____

Other Offices as required such as; Bridge Design, etc.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
DISTRICT SIX**

PROJECT CONCEPT REPORT

Project Number: BR-0003-00 (453)

County: Walker

P. I. Number: 0003453

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 5-12-03

Curtis D. Comer

Project Manager

DATE 5/12/03

[Signature]
Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE 5/30/03

[Signature]
State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE 5/12/03

[Signature]
District Engineer

DATE _____

Project Review Engineer

DATE _____

Other Offices as required such as; Bridge Design, etc.