

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0003452, Walker County **OFFICE** Preconstruction
BR-0003-00(452)
CR 835 over Chattanooga Creek & overflow **DATE** December 5, 2007
Bridge Replacement

FROM *Genetha Rice-Singleton*
Genetha Rice-Singleton, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Angela Alexander
Dewayne Comer
David Moore
Paul Liles
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: Project: BR-0003-00(452) **OFFICE:** Cartersville
County: Walker **DATE:** October 10, 2007
P. I. Number: 0003452

FROM: Kent L. Sager, District Engineer
TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT: REVISED PROJECT CONCEPT REPORT

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

We request that the Concept Report for project BR-003-00(452) be revised to show the project termini beginning at M.P. 0.09 and ending at M.P. 0.37 on CR 835/ Happy Valley Road. This project includes replacing both the existing bridge and the overflow bridge over Chattanooga Creek in Walker County. The previous Concept Report included the signalization and improvements of the intersection of CR 835/ Happy Valley Road at SR 193 along with the bridge replacements. Project BR-003-00(452) will not fund the new traffic signal and improvements, hence a new project number was created for this work (CSSFT-0008-00(400) – P.I. Number 0008400).

Project BR-003-00(452) begins at station 14+50 (MP 0.09) and ends at station 28+30 (MP 0.37) on CR 835/ Happy Valley Road and project CSSFT-0008-00(400) begins at station 28+30 (MP 0.37) and ends at station 34+20 (MP 0.48) on CR 835/ Happy Valley Road. The quantities for each project will be divided and listed for their respective project numbers. Both projects will be let under one cover sheet.

The approved signal permit is dated September 24, 1999. The current traffic on Happy Valley Rd (CR 835) is 1,850 ADT (2010) and on SR 193 is 5, 650. The design traffic on Happy Valley Rd (CR 835) is 2,700 ADT (2030) and on SR 193 is 8,350 ADT (2030).

If additional information is needed, please contact Reggie Ward at (770) 387-3623. Thank you.

DATE 10/16/07


State Transportation Planning Administrator

**By: Reggie J. Ward
Design Engineer II
District Six**

KLS:DWR:rjw

Attachments:

CC: Brian Summers, Project Review Engineer
Harvey Keepler, State Environmental/ Location Engineer
Keith Golden, State Traffic Operations Engineer
Angela T. Alexander, State Transportation Planning Administrator
Jamie Simpson, State Transportation Financial Management Administrator
Paul Liles, State Bridge Design Engineer

Need and Purpose: BR-0003-00(452)

Background

Project BR-0003-00(452) will replace the existing bridge and the overflow bridge over Chattanooga Creek in Walker County on CR 835/Happy Valley Road. BR-0003-00(452) begins at M.P. 0.09 and ends at M.P. 0.37. The two bridges on CR 835/Happy Valley Road meet GDOT's policy 2405-1 requirements to be replaced. The policy allows bridges with a sufficiency rating below 50 and on the Highway Bridge Replacement Rehabilitation Program (HBRRP) list to be replaced. The bridges are on the required HBRRP list. The first bridge has a sufficiency rating of 23.21 and the second bridge has a sufficiency rating of 40.60.

Traffic Information

In 2003 traffic on CR 835/Happy Valley Road was listed as 3,100 Average Annual Daily Traffic (AADT) and had a corresponding Level of Service (LOS) of A on the CR 835/Happy Valley Road roadway. The AADT on this roadway is projected to reach 3,700 in 2010 with a LOS of B and later reach 5,400 in the year 2030 resulting in a LOS of B.

Crashes

According to 2003, 2004 and 2005 data there were two crashes reported on CR 835/ Happy Valley Road between mile posts 00.09 to 00.37. The two crashes reported resulted in no injuries and occurred in 2003. Both of the crashes reported were rear-end crashes. There were no accidents reported in 2004 or 2005 between mile posts 00.09 and 00.37.

Overall, the crash and injury rates for years 2003 to 2005 have exceeded the state average.

Crash Data

	2003		2004		2005	
Local Rural Road	MP 00.09 to 00.37	State Average	MP 00.09 to 00.37	State Average	MP 00.09 to 00.37	State Average
Crash Rate	3,967	178	1,322	189	4,477	150
Injury Rate	1,322	81	3,967	89	2,558	73
Fatality Rate	0.00	1.73	0.00	1.70	0.00	1.77

(Note: Rates are per 100 Million Vehicle Miles of Travel)

Local and State Transportation Plans

Local and State transportation plans were reviewed to determine their relationship with the proposed project. The project lies within the Chattanooga urbanized area and is listed in the Chattanooga-Hamilton County North Georgia Transportation Improvement Program and in the Long Range Transportation Plan under RP-2. This project is on a school bus route but, it is not on the bicycle or pedestrian route.

Projects in the Area

Projects identified and planned within the area are located to the north and south of P.I. 0003452. Project 642250 located in Walker County, has been programmed to widen SR 193 from Old SR 193 North to the Tennessee State Line. Another project located in the area is P.I. 0008400 and it will provide intersection improvements and a signal on SR 193 at CR 835/Happy Valley Road.

Project ID	642250
STIP Code	No
Construction Status Code	Long Range Program
Project Accounting Number	NH-STP-00MS(145)
Primary Work Type	Widening
Description	SR 193 From Old SR 193 North to the Tennessee State Line

Project ID	0008400
STIP Code	Lump Sum
Construction Status Code	Construction Work Program
Project Accounting Number	CSSFT-0008-00(400)
Primary Work Type	Safety
Description	SR 193 @ CR 835/HAPPY VALLEY ROAD

Need and Purpose Statement

The purpose of the proposed project is to replace the current structurally deficient bridges on Happy Valley Rd. over Chattanooga Creek with new bridges. The proposed project's need is to provide structurally sound bridges for commuters traveling through the Walker County, CR 835/Happy Valley Road area.

Need and Purpose: **CSSFT-0008-00(400)**

Background

Project CSSFT-0008-00(400) proposes intersection improvements and a signal on SR 193 at CR 835/Happy Valley Rd. Initially, the proposed project was covered under BR-0003-00(452) in Walker County. The intersection improvements will include adding left and right turn lanes in both directions at the non-signalized intersection.

Traffic Information

The Annual Average Daily Traffic (AADT) along SR 193 at CR 835/Happy Valley Rd. is listed as 3,100 (2003) AADT and on SR 193 it was listed as 9,200 (AADT). In the projected year of 2010, the AADT is projected to be 3,700 on CR 835/Happy Valley Road and on SR 193 the AADT is projected to reach 11,300. In the projected year, 2030, traffic on CR 835/Happy Valley Road is expected to increase to 5,400 and traffic on SR 193 traffic is projected to reach 16,700. The Level of Service (LOS) at the intersection of CR 835/Happy Valley Rd. and SR 193 for the year 2003 is a LOS C. In 2010 LOS is projected to decrease to an LOS of F and in 2030 it projected to maintain an F level at the aforementioned intersection.

Crash and Safety Data

There were a total of twenty-seven crashes reported at SR 193 and CR 835/Happy Valley Rd. between the years 2003 and 2005. There was one fatality reported and twenty injuries reported within the intersection of SR 193 and CR 835/Happy Valley Road (mile post 23.97 to 24.30). The majority of crashes occurred at the approach to the intersection of SR 193 & CR 835, mile post 23.99, of which, nine of the crashes were angle type crashes. This type of crash would imply that vehicles in the process of turning did not have adequate sight distance to anticipate the actions of other drivers preparing to turn in the intersection. Crash rates for this intersection exceeded the state average for every year.

**Crash Analysis: Intersection of SR 193 & CR
835/Happy Valley Road
(2003-2005)**

SR 193 & CR 835 Intersection Mile Post (MP)	Total Number of Crashes	Head-On Collision	Non- Vehicular Collision	Angle Type	Rear End	Sideswipes
23.97	1	0	0	1	0	0
23.98	1	1	0	0	0	0
23.99	11	0	0	9	1	1
24.00	2	1	0	0	1	0
24.01	7	1	0	4	2	0
24.03	1	0	0	0	0	1
24.05	1	0	0	1	0	0
24.11	1	0	0	0	1	0
24.13	1	0	1	0	0	0
24.30	1	0	1	0	0	0
Total	27	3	2	15	5	2

Rates	2003 SR 193 @CR 835	2003 Statewide Rural Local Road	2003 Statewide Rural Major Collector	2004 SR 193 @ CR 835	2004 Statewide Rural Local Road	2004 Statewide Rural Major Collector	2005 SR 193 @CR 835	2005 Statewide Rural Local Road	2005 Statewide Rural Major Collector
Crash Rate	358	178	211	662	189	273	796	150	197
Injury Rate	119	81	110	772	89	145	354	73	111
Fatality Rate	0.00	1.75	2.95	55.14	1.70	3.24	0.00	1.77	3.23

(Note: Rates are per 100 Million Vehicle Miles of Travel.)

Projects in the Area/Logical Termini

Projects identified and planned within the area are located to the north and south of P.I. 0008400. Project 642250 located in Walker County, has been programmed to widen SR 193 from Old SR 193 North to the Tennessee State Line. Another project located in the area is P.I. 0003452, and it is programmed to reconstruct bridges on CR 835/Happy Valley Rd. at Chattanooga and Overflow and SR 193. Project Identification number 0003452 intersects with Project Identification number 0008400 midway.

Project Termini:

Proposed features to be revised: This project has been divided into two projects. From M.P. 0.09 to M.P. 0.37 is the project BR-0003-00(452) on CR 835 (Happy Valley Rd). On S.R. 193, M.P. 23.89 to M.P. 24.11 and on CR 835 (Happy Valley Rd) from M.P. 0.37 to M.P. 0.48 is now under the project number CSSFT-0008-00(400), due to the fact the project BR-0003-00(452) could not fund the signal for the intersection of SR 193 at CR 835(Happy Valley Rd) in Walker County.

Updated traffic data (AADT):

Current Year: (2010) 1,850 Design Year: (2030) 2,700

Programmed/Schedule:

P.E.: Approved 2003

R/W: LOCL

Construction: 2008 ²⁰⁰⁹

Handwritten note:
10/25/07

VE Study Required Yes(X) No()

Revised cost estimates:

- 1. Construction cost including inflation and E&C,
- 2. Right-of-Way, and
- 3. Utilities

BR-0003-00(452)
 \$ 2,245,000
 \$ 1,138,000
 \$ 341,000

CSSFT-0008-00(400)
 \$ 607,000
 \$ 27,000
 \$ 200,000

Is the project located in a Non-attainment area?YesNo. *If yes, provide a comparison between the proposed project concept and the conforming plan's model description. Include such features as project limits, number of through lanes, proposed open to traffic year, etc.*

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Attachments:

- 1. Sketch Map,
- 2. Cost Estimate,
- 3. Conforming plan's network schematics showing thru lanes, (Note: This attachment is required for non-attainment areas only.), and
- 4. Other supporting documents.

• **Exempt projects**

Concur: [Signature]
Director of Preconstruction

Approve: [Signature]
Chief Engineer

Estimate Report for file "0003452"

Section Roadway					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	Lump	LS	50000.00	TRAFFIC CONTROL - BR-0003-00(452)	50000.00
153-1300	1	EA	57614.09	FIELD ENGINEERS OFFICE TP 3	57614.09
210-0100	Lump	LS	115139.00	GRADING COMPLETE - BR-0003-00(452)	115139.00
310-1101	2597	TN	15.62	GR AGGR BASE CRS, INCL MATL	40565.14
318-3000	800	TN	17.02	AGGR SURF CRS	13616.00
402-3121	834	TN	43.39	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	36187.26
402-3130	423	TN	42.76	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	18087.48
402-3190	627	TN	47.15	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	29563.05
413-1000	265	GL	1.10	BITUM TACK COAT	291.50
432-5010	670	SY	1.85	MILL ASPH CONC PVMT, VARIABLE DEPTH	1239.50
433-1000	687	SY	133.22	REINF CONC APPROACH SLAB	91522.14
441-0016	55	SY	40.23	DRIVEWAY CONCRETE, 6 IN TK	2212.65
441-0301	8	EA	1895.33	CONC SPILLWAY, TP 1	15162.64
446-1100	420	LF	5.58	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	2343.60
500-3200	2	CY	435.85	CLASS B CONCRETE	871.70
550-1180	128	LF	33.34	STORM DRAIN PIPE, 18 IN, H.1-10	4267.52
550-2180	320	LF	24.94	SIDE DRAIN PIPE, 18 IN, H 1-10	7980.80
550-3618	16	EA	552.02	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	8832.32
550-4218	2	EA	499.26	FLARED END SECTION 18 IN, STORM DRAIN	998.52
573-2006	2544	LF	13.71	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	34878.24
576-1018	240	LF	27.55	SLOPE DRAIN PIPE, 18 IN	6612.00
615-1000	128	LF	428.25	JACK OR BORE PIPE - BR-0003-00(452)	54816.00
634-1200	28	EA	91.37	RIGHT OF WAY MARKERS	2558.36
641-1200	1055	LF	14.32	GUARDRAIL, TP W	15107.60
641-5001	1	EA	499.46	GUARDRAIL ANCHORAGE, TP 1	499.46
641-5012	1	EA	1590.44	GUARDRAIL ANCHORAGE, TP 12	1590.44
Section Sub Total:					\$612,557.01

Section Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2182	46	SY	42.84	STN DUMPED RIP RAP, TP 3, 24 IN	1970.64
603-7000	46	SY	4.22	PLASTIC FILTER FABRIC	194.12
700-6910	2	AC	798.39	PERMANENT GRASSING	1596.78
700-7000	6	TN	59.12	AGRICULTURAL LIME	354.72
700-7010	10	GL	18.85	LIQUID LIME	188.50
700-8000	2	TN	270.69	FERTILIZER MIXED GRADE	541.38
700-8100	100	LB	1.60	FERTILIZER NITROGEN CONTENT	160.00
716-1000	300	SY	3.23	EROSION CONTROL MATS, WATERWAYS	969.00
716-2000	6976	SY	1.07	EROSION CONTROL MATS, SLOPES	7464.32
Section Sub Total:					\$13,439.46

Section Traffic Signs					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1033	27	SF	20.78	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	561.06
636-2070	52	LF	7.07	GALV STEEL POSTS, TP 7	367.64
653-1704	30	LF	3.48	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	104.40
653-2501	1	LM	1111.96	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	1111.96
653-2502	1	LM	1183.96	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	1183.96
653-6006	175	SY	2.75	THERMOPLASTIC TRAF STRIPING, YELLOW	481.25
654-1001	44	EA	3.59	RAISED PVMT MARKERS TP 1	157.96
654-1003	23	EA	3.78	RAISED PVMT MARKERS TP 3	86.94
657-2054	1	LM	18119.95	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	18119.95

657-5017	9	EA	395.06	PREFORMED PLASTIC PVMT MKG, WORDS AND/OR SYM, ARROW TP 2, WHITE, TP PB	3555.54
657-7054	1	LM	18244.88	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	18244.88
Section Sub Total:					\$43,975.54

Section Temporary Erosion Control

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	1	AC	476.99	TEMPORARY GRASSING	476.99
163-0240	46	TN	196.56	MULCH	9041.76
163-0300	2	EA	1763.95	CONSTRUCTION EXIT	3527.90
163-0503	2	EA	572.24	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	1144.48
163-0520	400	LF	12.89	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	5156.00
163-0530	780	LF	2.83	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	2207.40
165-0010	304	LF	1.05	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	319.20
165-0030	1078	LF	1.22	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	1315.16
165-0070	631	LF	1.54	MAINTENANCE OF BALED STRAW EROSION CHECK	971.74
165-0070	390	LF	2.36	MAINTENANCE OF BALED STRAW EROSION CHECK	920.40
165-0087	2	EA	198.74	MAINTENANCE OF SILT CONTROL GATE, TP 3	397.48
167-0100	12	MO	759.82	WATER QUALITY MONITORING	9117.84
167-0200	2	EA	57.88	WATER QUALITY SAMPLING	115.76
171-0010	608	LF	1.88	TEMPORARY SILT FENCE, TYPE A	1143.04
171-0030	2156	LF	3.23	TEMPORARY SILT FENCE, TYPE C	6963.88
Section Sub Total:					\$42,819.03

Section Bridge Section No. 1

Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-3101	0	CY	473.17	CLASS A CONCRETE	0.00
507-9001	0	LF	96.65	PSC BEAMS, AASHTO TYPE I, BR NO -	0.00
511-1000	0	LB	0.74	BAR REINF STEEL	0.00
520-1104	0	LF	35.35	PILING IN PLACE, STEEL H, HP 10 X 42	0.00
520-2214	0	LF	36.33	PILING, PSC, 14 IN SQ	0.00
520-3214	0	EA	5212.04	TEST PILE, PSC, 14 IN SQ	0.00
520-4104	0	EA	0.84	LOAD TEST, STEEL H, HP 10 X 42	0.00
520-5000	0	LF	144.90	PILOT HOLES	0.00
543-1100	1	LS	598500.00	CONSTR OF BRIDGE - COMPLETE - TO BOTTOM OF CAP	598500.00
547-2012	0	LF	133.96	PILE ENCASEMENT, 12 IN PILE	0.00
Section Sub Total:					\$598,500.00

Section Bridge Section No. 2

Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-3101	0	CY	473.17	CLASS A CONCRETE	0.00
507-9001	0	LF	96.65	PSC BEAMS, AASHTO TYPE I, BR NO -	0.00
511-1000	0	LB	0.74	BAR REINF STEEL	0.00
520-2214	0	LF	36.33	PILING, PSC, 14 IN SQ	0.00
520-3214	0	EA	5212.04	TEST PILE, PSC, 14 IN SQ	0.00
520-4104	0	EA	0.84	LOAD TEST, STEEL H, HP 10 X 42	0.00
520-5000	0	LF	144.90	PILOT HOLES	0.00
543-1100	1	LS	729600.00	CONSTR OF BRIDGE - COMPLETE - TO BOTTOM OF CAP	729600.00
547-2012	0	LF	133.96	PILE ENCASEMENT, 12 IN PILE	0.00
Section Sub Total:					\$729,600.00

Total Estimated Cost: \$2,040,891.04**Subtotal Construction Cost \$2,040,891.04**

E&C Rate 10.0 %	\$204,089.10
Inflation Rate 0.0 % @ 0.0 Years	\$0.00

Total Construction Cost **\$2,244,980.14**

Right Of Way	\$0.00
ReImb. Utilities	\$0.00

Grand Total Project Cost **\$2,244,980.14**

Estimate Report for file "008400"

Section Roadway					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	Lump	LS	50000.00	TRAFFIC CONTROL - CSSFT-0008-00(400)	50000.00
207-0203	110	CY	62.41	FOUND BKFILL MATL, TP II	6865.10
210-0100	Lump	LS	17000.00	GRADING COMPLETE - CSSFT-0008-00(400)	17000.00
310-1101	1871	TN	15.62	GR AGGR BASE CRS, INCL MATL	29225.02
318-3000	700	TN	17.45	AGGR SURF CRS	12215.00
402-3121	610	TN	43.39	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	26467.90
402-3130	782	TN	42.76	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	33438.32
402-3190	458	TN	47.15	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	21594.70
413-1000	221	GL	1.14	BITUM TACK COAT	251.94
432-5010	4242	SY	1.85	MILL ASPH CONC PVMT, VARIABLE DEPTH	7847.70
441-0104	50	SY	26.84	CONC SIDEWALK, 4 IN	1342.00
441-0748	181	SY	28.21	CONCRETE MEDIAN, 6 IN	5106.01
446-1100	1940	LF	5.58	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	10825.20
500-3101	18	CY	594.72	CLASS A CONCRETE	10704.96
500-3200	102	CY	422.59	CLASS B CONCRETE	43104.18
511-1000	495	LB	0.97	BAR REINF STEEL	480.15
550-1480	126	LF	99.01	STORM DRAIN PIPE, 48 IN, H 1-10	12475.26
550-2180	160	LF	35.80	SIDE DRAIN PIPE, 18 IN, H 1-10	5728.00
550-3618	4	EA	552.02	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	2208.08
550-4218	1	EA	504.51	FLARED END SECTION 18 IN, STORM DRAIN	504.51
573-2006	3528	LF	13.71	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	48368.88
615-1000	144	LF	428.25	JACK OR BORE PIPE - CSSFT-0008-00(400)	61668.00
634-1200	10	EA	91.75	RIGHT OF WAY MARKERS	917.50
635-1000	20	LF	81.16	BARRICADES	1623.20
641-1200	432	LF	14.33	GUARDRAIL, TP W	6190.56
641-5001	1	EA	499.46	GUARDRAIL ANCHORAGE, TP 1	499.46
641-5012	1	EA	1590.44	GUARDRAIL ANCHORAGE, TP 12	1590.44
Section Sub Total:					\$418,242.07

Section Traffic Signs					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1033	78	SF	22.25	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	1735.50
636-2070	156	LF	7.09	GALV STEEL POSTS, TP 7	1106.04
652-0120	24	EA	43.80	PAVEMENT MARKING, ARROW, TP 2	1051.20
652-6501	765	GLF	0.14	SKIP TRAFFIC STRIPE, 5 IN, WHITE	107.10
653-1704	96	LF	3.48	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	334.08
653-1804	816	LF	1.70	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	1387.20
653-2501	1	LM	1111.96	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	1111.96
653-2502	1	LM	1398.89	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	1398.89
653-6004	452	SY	2.57	THERMOPLASTIC TRAF STRIPING, WHITE	1161.64
653-6006	901	SY	2.75	THERMOPLASTIC TRAF STRIPING, YELLOW	2477.75
653-6006	727	SY	2.75	THERMOPLASTIC TRAF STRIPING, YELLOW	1999.25
654-1001	42	EA	3.63	RAISED PVMT MARKERS TP 1	152.46
654-1003	40	EA	3.77	RAISED PVMT MARKERS TP 3	150.80
Section Sub Total:					\$14,173.87

Section Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2182	23	SY	42.93	STN DUMPED RIP RAP, TP 3, 24 IN	987.39
603-7000	23	SY	4.06	PLASTIC FILTER FABRIC	93.38
700-6910	2	AC	798.24	PERMANENT GRASSING	1596.48
700-7000	6	TN	59.02	AGRICULTURAL LIME	354.12

700-7010	7	GL	18.85	LIQUID LIME	131.95
700-8000	2	TN	270.69	FERTILIZER MIXED GRADE	541.38
700-8100	100	LB	1.60	FERTILIZER NITROGEN CONTENT	160.00
716-1000	150	SY	3.23	EROSION CONTROL MATS, WATERWAYS	484.50
716-2000	3380	SY	1.07	EROSION CONTROL MATS, SLOPES	3616.60
Section Sub Total:					\$7,965.80

Section Temporary Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	1	AC	476.86	TEMPORARY GRASSING	476.86
163-0240	13	TN	196.56	MULCH	2555.28
163-0300	2	EA	1286.88	CONSTRUCTION EXIT	2573.76
163-0503	1	EA	572.24	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	572.24
163-0520	400	LF	12.89	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	5156.00
165-0010	178	LF	0.93	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	165.54
165-0030	398	LF	1.84	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	732.32
165-0101	4	EA	444.09	MAINTENANCE OF CONSTRUCTION EXIT	1776.36
167-0100	12	MO	759.82	WATER QUALITY MONITORING	9117.84
167-0200	2	EA	57.88	WATER QUALITY SAMPLING	115.76
171-0010	356	LF	1.92	TEMPORARY SILT FENCE, TYPE A	683.52
171-0030	795	LF	3.23	TEMPORARY SILT FENCE, TYPE C	2567.85
Section Sub Total:					\$26,493.33

Section Traffic Signal					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
615-1200	50	LF	7.45	DIRECTIONAL BORE - CSSFT-0008 -00(400)	372.50
639-4004	4	EA	4249.30	STRAIN POLE, TP IV	16997.20
647-1000	Lump	LS	67000.00	TRAFFIC SIGNAL INSTALLATION NO - 1	67000.00
Section Sub Total:					\$84,369.70

Total Estimated Cost: \$551,244.77

Subtotal Construction Cost	\$551,244.77
E&C Rate 10.0 %	\$55,124.48
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
Total Construction Cost	\$606,369.25
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
Grand Total Project Cost	\$606,369.25

Preliminary Right of Way Cost Estimate

Date: 5/2/2006

Project: BR-0003-00(452) WALKER

P.I. Number: 0003452

Existing/Required R/W: 50'/80 TO 180'

No. Parcels: 17

Project Termini: From CR 835/Happy Valley Road over Chattanooga Creek

Project Description: Bridge Replacement (Between Mile Posts 0.09 to 0.48)

Land:

Commercial				
1.292 acres	@ \$ 50,000	/ acre	=	\$ 64,600
Industrial				
0	sf @ \$ /sf		=	\$
Residential				
2.080 acres	@ \$ 20,000	/ acre	=	\$ 41,600
Agricultural				
0	sf @ \$ /sf		=	\$
				\$ 106,200

Improvements:

___ businesses, 2 houses, ___ mobile homes, curbing,
paving, signs, fencing and site improvements

\$ 300,000

Relocation:

___ Commercial	@ \$ 25,000 / parcel	=	\$
<u>2</u> Residential	@ \$ 20,000 / parcel	=	\$ 40,000
			\$ 40,000

Damages:

Proximity - Parcels	\$
Consequential - Parcels	\$
Cost To Cure - Parcels	\$
	\$ 0

\$ 446,200

Net Cost		\$446,200
Scheduling Contingency	55 %	\$245,410
Adm/Court Cost	60 %	\$267,720
Inflation Factor	40 %	\$178,480
		\$ 1,137,810

Total Cost \$ 1,138,000

Prepared By :

Joan Upton

Approved :

Ram N
GDOT R/W

Preliminary Right of Way Cost Estimate

Date: 6/21/2006

Project: CSFT-0008-00(403)

P.I. Number: 0003452

Existing/Required R/W: 50'80 TO 180'

No. Parcels: 2

Project Termini: From CR 835/Happy Valley Road over Chattanooga Creek

Project Description: Bridge Replacement (Between Mile Posts 0.09 to 0.48)

Land:

Commercial					
0	acres	@ \$ 50,000	/ acre	=	\$
Industrial					
0	sf	@ \$	/ sf	=	\$
Residential					
.523	acres	@ \$ 20,000	/ acre	=	\$ 10,460
Agricultural					
0	sf	@ \$	/ sf	=	\$
					\$ 10,460

Improvements:

___ businesses, ___ houses, ___ mobile homes, curbing,
 paving, signs, fencing and site improvements

\$

Relocation:

___ Commercial @ \$ 25,000 / parcel = \$

___ Residential @ \$ 20,000 / parcel = \$

\$

Damages:

Proximity - Parcels \$

Consequential - Parcels \$

Cost To Cure - Parcels \$

\$ 0

\$ 10,460

Net Cost		\$10,460
Scheduling Contingency	55 %	\$ 5,753
Adm/Court Cost	60 %	\$ 6,276
Inflation Factor	40 %	\$ 4,184
		<u>\$ 26,673</u>

Total Cost \$ 26,700

Prepared By: _____

Approved: _____

GDOT R/W

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0003-00 (452)
Walker County
Bridge Replacement CR 835 - Bridges
P.I. 0003452

OFFICE Cartersville

DATE July 21, 20006

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	\$175,000.00		
Chattanooga EPB	\$27,000.00		
BellSouth	\$25,000.00		
Walker County Water			\$113,353.00
Totals	\$227,000.00		\$113,353.00

Total Preliminary Utility Cost Estimate \$340,353.00

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

KDB/RET/rt

C: Jeff Baker, P. E., State Utilities Engineer;
Jamie Simpson, Financial Management
Devon Brooks, Area Engineer
File/Estimating Book

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0003-00 (452)
Walker County
Bridge Replacement CR 835 - Intersection
P.I. 0003452

OFFICE Cartersville

DATE July 21, 2006

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	\$50,000.00		
Chattanooga EPB	\$7,000.00		
BellSouth	\$15,000.00		
Walker County Water			\$128,000.00
Totals	\$72,000.00		\$128,000.00

Total Preliminary Utility Cost Estimate \$200,000.00. If the project impacts the BellSouth easement at Sta. 34+25 this cost could be an additional \$200,000.00 which would be a reimbursable cost.

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

B/RET/rt

C: Jeff Baker, P. E., State Utilities Engineer;
Jamie Simpson, Financial Management
Devon Brooks, Area Engineer
File/Estimating Book

