

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. CSSFT-0008-00(314), Pickens
SR 136 Intersection and Shoulder
Improvements
P.I. No. 0008314-

OFFICE Program Delivery

DATE 5/13/2015

FROM Albert V. Shelby, State Program Delivery Engineer

TO Lisa Myers, Sate Review Engineer

SUBJECT REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Michael Word

MNGT LET DATE N/A

MNGT R/W DATE N/A

PROGRAMMED COST (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$5,572,989

DATE N/A

RIGHT OF WAY \$2,538,000

DATE N/A

UTILITIES \$1,530,000

DATE N/A

REVISED COST ESTIMATES

CONSTRUCTION* \$5,572,989

RIGHT OF WAY \$2,538,000

UTILITIES** \$1,530,000

** Costs contain 0% contingency.

REASON FOR COST INCREASE Revised concept based upon further design refinement and public input

CONTINGENCY SUMMARY

Construction Cost Estimate:	\$5,010,746.98	(Base Estimate)
Engineering and Inspection:	\$250,537.35	(Base Estimate x 5 %)
Construction Contingency:	\$0.00	(Base Estimate x 0 %) (The Construction Contingency is based on the Project Improvement Type in TPro.)
Total Fuel Adjustment	\$ 0.00	(From attached worksheet)
Total Liquid AC Adjustment	\$ 311,704.71	(From attached worksheet)
Construction Total:	\$5,572,989	
Utility Cost Estimate:	\$1,530,000	
Utility Contingency:	\$0.00	
Utility Total:	\$1,530,000	

REIMBURSABLE UTILITY COST

Utility Owner	Reimbursable Costs
Georgia Power Company – Dist.	\$1,530,000.00

Attachments

1. PI#0008314 CES Database Output
2. PI #0008314 Fuel Price Adjustment Spreadsheet

**GEORGIA DEPARTMENT OF TRANSPORTATION
JOB ESTIMATE REPORT**

JOB NUMBER : 0008314 SPEC YEAR: 13
DESCRIPTION: SR136 FROM SR 136 CONNECTOR TO SR 515

ITEMS FOR PROJECT CSSFT-0008-00(314)

LINE	ITEM	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
ROADWAY ITEMS						
3	153-1300	EA	FIELD ENGINEERS OFFICE TP 3	1	\$ 83,375.69	\$83,375.69
4	402-1812	TN	RECYL AC LEVELING, INC BM&HL	1500	\$ 79.52	\$119,280.00
5	402-3141	TN	RECYL AC 12.5 MM SP,GP 1 OR 2,INCL BM	6000	\$ 78.00	\$468,000.00
10	402-3190	TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	6075	\$ 70.40	\$427,680.00
15	402-3121	TN	RECYL AC 25MM SP,GP1/2,BM&HL	8450	\$ 67.89	\$573,670.50
25	310-1101	TN	GR AGGR BASE CRS, INCL MATL	23900	\$ 30.00	\$717,000.00
26	441-0016	SY	DRIVEWAY CONCRETE, 6 IN TK	2400	\$ 32.65	\$78,360.00
30	441-0748	SY	CONC MEDIAN, 6 IN	1150	\$ 45.00	\$51,750.00
35	441-6022	LF	CONC CURB & GUTTER, 6X30TP2	3970	\$ 30.00	\$119,100.00
40	413-1000	GL	BITUM TACK COAT	1500	\$ 2.49	\$3,735.00
45	641-1200	LF	GUARDRAIL, TP W	4400	\$ 17.18	\$75,592.00
50	641-1100	LF	GUARDRAIL, TP T	42	\$ 54.31	\$2,281.02
55	641-5001	EA	GUARDRAIL ANCHORAGE, TP 1	8	\$ 587.38	\$4,699.04
60	641-5012	EA	GUARDRAIL ANCHORAGE, TP 12	8	\$ 1,809.55	\$14,476.40
65	150-1000	LS	TRAFFIC CONTROL - CSSFT-0008-00(314)	1	\$ 200,000.00	\$200,000.00
70	205-0001	CY	UNCLASS EXCAV	138130	\$ 3.62	\$500,030.60
75	201-1500	LS	CLEARING & GRUBBING - CSSFT-0008-00(314)	1	\$ 800,000.00	\$800,000.00
80	668-2100	EA	DROP INLET, GP 1	6	\$ 1,790.56	\$10,743.36
85	668-1100	EA	CATCH BASIN, GP 1	24	\$ 2,043.28	\$49,038.72
90	550-1180	LF	STM DR PIPE 18,H 1-10	400	\$ 41.03	\$16,412.00
95	550-1240	LF	STM DR PIPE 24,H 1-10	350	\$ 42.30	\$14,805.00
96	550-2180	LF	SIDE DR PIPE 18,H 1-10	600	\$ 31.27	\$18,762.00
97	550-2240	LF	SIDE DR PIPE 24,H 1-10	600	\$ 35.34	\$21,204.00
100	550-1300	LF	STM DR PIPE 30,H 1-10	100	\$ 58.00	\$5,800.00
105	550-1360	LF	STM DR PIPE 36,H 1-10	100	\$ 65.73	\$6,573.00
110	500-3101	CY	CLASS A CONCRETE	300	\$ 443.22	\$132,966.00
111	550-3618	EA	SAFETY END SECTION 18,SD,6:1	38	\$ 521.09	\$19,801.42
112	550-3624	EA	SAFETY END SECTION 24,SD,6:1	38	\$ 676.32	\$25,700.16
115	511-1000	LB	BAR REINF STEEL	34000	\$ 0.82	\$27,880.00
120	550-4224	EA	FLARED END SECT 24 IN, ST DR	12	\$ 561.64	\$6,739.68
125	456-2015	GLM	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	6	\$ 1,788.08	\$10,728.48
PERMANENT EROSION CONTROL ITEMS						
130	603-2181	SY	STN DUMPED RIP RAP, TP 3, 18	300	\$ 38.75	\$11,625.00
135	603-7000	SY	PLASTIC FILTER FABRIC	300	\$ 3.53	\$1,059.00
140	700-6910	AC	PERMANENT GRASSING	17	\$ 724.63	\$12,318.71
141	700-9300	SY	SOD	1200	\$ 5.10	\$6,120.00
142	702-0212	EA	CRATAEGUS VIRIDIS - WINTER KING HAWTHORN 3" DIA.	6	\$ 160.00	\$960.00
143	702-0470	EA	ILEX VOMITORIA NANA - 3 GALLON	410	\$ 30.00	\$12,300.00
144	702-9025	SY	LANDSCAPE MULCH	800	\$ 5.71	\$4,568.00
145	716-2000	SY	EROSION CONTROL MATS, SLOPES	6700	\$ 1.09	\$7,303.00
TEMPORARY EROSION CONTROL ITEMS						
150	163-0232	AC	TEMPORARY GRASSING	9	\$ 277.63	\$2,498.67
155	171-0010	LF	TEMPORARY SILT FENCE, TYPE A	21000	\$ 1.90	\$39,900.00
160	171-0030	LF	TEMPORARY SILT FENCE, TYPE C	4000	\$ 3.24	\$12,960.00
161	163-0240	TN	MULCH	138	\$ 218.69	\$30,179.22
165	163-0300	EA	CONSTRUCTION EXIT	10	\$ 1,091.61	\$10,916.10
166	163-0550	EA	CONS & REM INLET SEDIMENT TRAP	30	\$ 123.02	\$3,690.60
167	165-0105	EA	MAINT OF INLET SEDIMENT TRAP	30	\$ 40.31	\$1,209.30
170	165-0010	LF	MAINT OF TEMP SILT FENCE, TP A	11000	\$ 1.22	\$13,420.00
175	165-0030	LF	MAINT OF TEMP SILT FENCE, TP C	2000	\$ 0.74	\$1,480.00

180	165-0101	EA	MAINT OF CONST EXIT	10	\$ 458.18	\$4,581.80
181	700-8000	TN	FERTILIZER MIXED GRADE	12	\$ 518.18	\$6,218.16
182	700-8100	LB	FERTILIZER NITROGEN CONTENT	850	\$ 2.33	\$1,980.50
183	701-0030	TN	AGRICULTURAL LIME	51	\$ 47.37	\$2,415.87
SIGNING AND MARKING ITEMS						
184	632-0003	EA	CHANGEABLE MESS SIGN,PORT,TP 3	6	\$ 9,800.83	\$58,804.98
185	636-1020	SF	HWY SGN,TP1MAT,REFL SH TP3	270	\$ 15.02	\$4,055.40
190	636-2080	LF	GALV STEEL POSTS, TP 8	510	\$ 9.49	\$4,839.90
195	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	30000	\$ 0.57	\$17,100.00
200	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	30000	\$ 0.50	\$15,000.00
205	654-1003	EA	RAISED PVMT MARKERS TP 3	850	\$ 3.84	\$3,264.00
LIGHTING ITEMS						
210	500-3101	CY	CLASS A CONCRETE	22	\$ 723.49	\$15,916.78
215	511-1000	LB	BAR REINF STEEL	4000	\$ 1.12	\$4,480.00
220	681-6320	EA	LUMINAIRE,TP 3, 150W,HP SODIUM	22	\$ 1,000.00	\$22,000.00
225	681-4210	EA	LT STD, 30' MH, POST TOP	22	\$ 3,245.36	\$71,397.92

ITEM TOTAL **\$5,010,746.98**
INFLATED ITEM TOTAL **\$5,010,746.98**

TOTALS FOR JOB CSSFT-0008-00(314)

ESTIMATED COST:	\$5,010,746.98
CONTINGENCY PERCENT (0.0):	\$0.00
ESTIMATED TOTAL:	\$5,010,746.98

PROJ. NO.	CSSFT-0008-00(314)
P.I. NO.	0008314
DATE	5/13/2015

CALL NO.

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	May-15	\$ 2.503
DIESEL		\$ 2.809
LIQUID AC		\$ 469.00

Link to Fuel and AC Index:

<http://www.dot.ga.gov/PartnerSmart/Materials/Pages/asphaltfuelindex.aspx>

LIQUID AC ADJUSTMENTS

$PA = [((APM - APL) / APL)] \times TMT \times APL$

Asphalt

Price Adjustment (PA)		309891.75		\$ 309,891.75
Monthly Asphalt Cement Price month placed (APM)	Max. Cap 60%	\$ 750.40		
Monthly Asphalt Cement Price month project let (APL)		\$ 469.00		
Total Monthly Tonnage of asphalt cement (TMT)		1101.25		

ASPHALT	Tons	%AC	AC ton
Leveling	1500	5.0%	75
12.5 OGFC		5.0%	0
12.5 mm	6000	5.0%	300
9.5 mm SP		5.0%	0
25 mm SP	8450	5.0%	422.5
19 mm SP	6075	5.0%	303.75
	22025		1101.25

BITUMINOUS TACK COAT

Price Adjustment (PA)		\$ 1,812.96		\$ 1,812.96
Monthly Asphalt Cement Price month placed (APM)	Max. Cap 60%	\$ 750.40		
Monthly Asphalt Cement Price month project let (APL)		\$ 469.00		
Total Monthly Tonnage of asphalt cement (TMT)		6.442651383		

Bitum Tack

Gals	gals/ton	tons
1500	232.8234	6.442651383

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)		0		\$ -
Monthly Asphalt Cement Price month placed (APM)	Max. Cap 60%	\$ 750.40		
Monthly Asphalt Cement Price month project let (APL)		\$ 469.00		
Total Monthly Tonnage of asphalt cement (TMT)		0		

Bitum Tack

	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf. Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0

TOTAL LIQUID AC ADJUSTMENT **\$ 311,704.71**

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 9/22/2014 Project: CSSFT-0008-00(314)
 Revised: County: Pickens
 PI: 0008314

Description: SR 136 Conn to SR 515
 Project Termini: SR 136 Conn to SR 515

Existing ROW: varies
 Required ROW: 74' to 190'
 Parcels: 61

Land and Improvements _____ \$1,160,850.00

Proximity Damage	\$0.00
Consequential Damage	\$50,000.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$405,000.00

Valuation Services _____ \$266,250.00

Legal Services _____ \$416,175.00

Relocation _____ \$162,000.00

Demolition _____ \$15,000.00

Administrative _____ \$517,000.00

TOTAL ESTIMATED COSTS _____ \$2,537,275.00

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$2,538,000.00

Preparation Credits	Hours	Signature

Prepared By: Deshone Alexander CG#: 286999 09/22/2014 (DATE)
 Approved By: Deshone Alexander CG#: 286999 09/22/2014 (DATE)

NOTE: No Market Appreciation is included in this Preliminary Cost Estimate

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

CSSFT-0008-00(314) Pickens

0008314

	A	B	C	D
Land and Improvements	Agriculture	Residential	Commercial	Industrial
1 Estimate Low (ac)	\$0.00	\$0.00	\$55,000.00	\$0.00
2 Estimate High (ac)	\$0.00	\$0.00	\$150,000.00	\$0.00
3 Estimate Used (ac)	\$7,000.00	\$19,000.00	\$95,000.00	\$0.00
4 Fee Simple Area (ac)	13.23	7.46	0.89	0.00
5 Fee Simple Estimate	\$92,610.00	\$141,740.00	\$84,550.00	\$0.00
6 Perm Esmt Area (ac)	0.00	0.00	0.00	0.00
7 Perm Esmt Factor	0%	0%	50%	0%
8 Perm Esmt Estimate	\$0.00	\$0.00	\$0.00	\$0.00
9 Temp Esmt Area (ac)	0.00	0.00	0.00	0.00
10 Temp Esmt Factor	0%	0%	0%	0%
11 Temp Esmt Estimate	\$0.00	\$0.00	\$0.00	\$0.00
12 Proximity Damages	\$0.00	\$0.00	\$0.00	\$0.00
13 Consequential Damages	\$0.00	\$50,000.00	\$0.00	\$0.00
14 Cost to Cures	\$0.00	\$0.00	\$0.00	\$0.00
15 Improvements	\$45,000.00	\$250,000.00	\$110,000.00	\$0.00
16 Trade Fixtures	\$0.00	\$0.00	\$0.00	\$0.00
17				
18 PROPERTY TYPE TOTALS	\$137,610.00	\$441,740.00	\$194,550.00	\$0.00
19	SUB TOTAL PROPERTY TYPES			\$773,900.00
20	Counter Offers and Condemnation Increases			\$386,950.00
21				
22	GRAND TOTAL LANDS AND IMPROVEMENTS			\$1,160,850.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

CSSFT-0008-00(314) Pickens

0008314

	A	B	C	D
Valuation Services	Agriculture	Residential	Commercial	Industrial
1 Appraisals (# of Parcels)	11	35	15	0
2 Estimated Fees (per Parcel)	\$3,000.00	\$3,000.00	\$5,000.00	\$0.00
3 TOTAL APPRAISALS	\$33,000.00	\$105,000.00	\$75,000.00	\$0.00
4 Sign Estimates	0	0	0	0
5 Estimated Fees	\$0.00	\$0.00	\$0.00	\$0.00
6 TOTAL SIGN ESTIMATES	\$0.00	\$0.00	\$0.00	\$0.00
7 Specialty Reports	0	0	0	0
8 Estimated Fees	\$0.00	\$0.00	\$0.00	\$0.00
9 TOTAL SPECIALTY REPORTS	\$0.00	\$0.00	\$0.00	\$0.00
10 Septic/Well Reports	0	0	0	0
11 Estimated Fees	\$0.00	\$0.00	\$0.00	\$0.00
12 TOTAL SEPTIC/WELL REPORTS	\$0.00	\$0.00	\$0.00	\$0.00
13				
14				
15				
16 TOTAL VALUATION FEES	\$33,000.00	\$105,000.00	\$75,000.00	\$0.00
17	SUB TOTAL VALUATION SERVICES			\$213,000.00
18	Updates and Incidentals (Min \$2,500 or 25%)			\$53,250.00
19	GRAND TOTAL VALUATION SERVICES			\$266,250.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI CSSFT-0008-00(314) Pickens 0008314

	A	B	C	D
	Parcels	Estimated Fees		TOTALS
1	Meeting with Attorney	61	\$125.00	\$7,625.00
2	Preliminary Titles	61	\$200.00	\$12,200.00
3	Closing and Final Title	61	\$300.00	\$18,300.00
4	Recording Fees	61	\$50.00	\$3,050.00
5	Condemnation Filing	10	\$5,000.00	\$50,000.00
6	Litigation Costs	10	\$25,000.00	\$250,000.00
7	Updates and Incidentals	10	\$7,500.00	\$75,000.00
8				
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL LEGAL SERVICES			\$416,175.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI CSSFT-0008-00(314) Pickens 0008314

	A	B	C	D
	Relocation	Displacements	Estimated Costs	TOTALS
1	Business Displacement	0	\$15,000.00	\$0.00
2	Residential Tenant		\$20,000.00	\$0.00
3	Residential Owner	1	\$40,000.00	\$40,000.00
4	Pro-Rata Taxes	61	\$1,000.00	\$61,000.00
5	Property Pin Replacement	61	\$1,000.00	\$61,000.00
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17			GRAND TOTAL RELOCATION	\$162,000.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI CSSFT-0008-00(314) Pickens 0008314

	A	B	C	D
	Demolition	Items/Improvements	Estimated Costs	TOTALS
1	Residential Structures	1	\$15,000.00	\$15,000.00
2	Commercial Structures	0	\$25,000.00	\$0.00
3	Hotels/Apartments		\$60,000.00	\$0.00
4	UST's - Dispensers		\$50,000.00	\$0.00
5	Billboards		\$8,000.00	\$0.00
6	Signs - Light Standards		\$1,500.00	\$0.00
7	Water Vaults		\$15,000.00	\$0.00
8	Gas/Water Service Separation		\$2,500.00	\$0.00
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL DEMOLITION			\$15,000.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI CSSFT-0008-00(314) Pickens 0008314

	A	B	C	D
	Parcels	Man hours per Parcel		TOTALS
1	61	40		\$122,000.00
2	61	100		\$305,000.00
3		50		\$0.00
4	16	50		\$40,000.00
5	10	100		\$50,000.00
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL INHOUSE			\$517,000.00

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: CSSFT-0008-00(314), Pickens Co.
P.I. No. 0008314
SR 136 from SR 136 Conn to SR 515

OFFICE: Cartersville

FROM:  Kerry D. Bonner, District Utilities Engineer

DATE: April 10, 2015

TO: Albert V. Shelby, P.E., State Program Delivery Engineer
ATTN: Micheal Word

SUBJECT: PRELIMINARY UTILITY COST ESTIMATE

We are furnishing you with a Preliminary Utility Cost estimate for each utility with facilities potentially located within the project limits.

FACILITY OWNER	NON REIMBURSABLE	REIMBURSABLE
Amicalola EMC	No Conflict	
Elijay Telephone	\$ 120,000.00	
Georgia Power Company – Dist.		\$ 1,533,000.00
Pickens County Water*	\$ 840,000.00	
Totals	\$ 960,000.00	\$ 1,530,000.00

Total cost for the above project is \$2,490,000.00.

*The reimbursable amount could increase to \$2,370,000.00 if Pickens County Water was to apply for utility assistance for the relocation of their facilities.

If you have any questions, please contact Stanley McCarley at 678-721-5324.

KDB/sm

C: Mike Bolden, State Utilities Engineer;
File/Estimating Book