

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE**

FILE P.I. #s 0008627 & 0010848 **OFFICE** Design Policy & Support
Hall County
GDOT District 1 - Gainesville **DATE** 4/9/2014
CR 1300/Union Church Road from
SR 53 to SR 211 including culvert extension

FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED CONCEPT REPORT

Attached is the approved Revised Concept Report for the above subject project.

Attachment

DISTRIBUTION:

Glenn Bowman, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Hiral Patel, State Environmental Administrator
Ben Rabun, State Bridge Engineer
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Mike Bolden, State Utilities Engineer
Jeff Fletcher, Statewide Location Bureau Chief
Andy Casey, State Roadway Design Engineer
Attn: Clay Bastian, Design Group Manager
Emmanuella Myrthil, State Safety Program Coordinator
Bayne Smith, District Engineer
Justin Lott, District Preconstruction Engineer
Neil Kantner, District Utilities Engineer
Charles Robinson, Project Manager
BOARD MEMBER - 9th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
REVISED PROJECT CONCEPT REPORT**

Project Type: <u>HRRR</u>	P.I. Number: <u>0008627 & 0010848</u>
GDOT District: <u>District 1</u>	County: <u>Hall</u>
Federal Route Number: <u>NA</u>	State Route Number: <u>NA</u>
Project Numbers: <u>CSSFT-0008-00(627)</u> <u>and 0010848</u>	

CR 1300/Union Church Road at Mulberry Creek – HRRR

The approved concept report for this project is being revised to reduce the current project scope, and eliminate the need for right-of-way except in the area of the culvert extension.

Submitted for approval:

C. Andy Cury 2/25/14
State Roadway Design Engineer DATE

for *Hiral Patel* 2/25/14
State Program Delivery Engineer DATE

Chander A. Dora 2/25/14
GDOT Project Manager DATE

Recommendation for approval:

*** *Hiral Patel / KLP* 3-7-14
State Environmental Administrator DATE

*** *Kathy Zahal / KLP* 2-28-14
State Traffic Engineer DATE

*** *Ben Rabun / KLP* 3-4-14
State Bridge Engineer DATE

*** recommendation on file

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

Amelia R. Naupe 3-7-14
State Transportation Planning Administrator DATE

PROPOSED REVISIONS

Approved Features:	Proposed Features:
<ul style="list-style-type: none"> • This project proposes to widen the shoulders as well as provide front slopes of 4:1 or flatter in the areas that are deemed geometrically sub-standard where crash frequency has occurred. • Roadway curvature will be realigned and superelevation will be corrected to meet design speed. • Edge line rumble strips will be added as a countermeasure for reducing roadway departure crashes. • Approved Concept Report incorrectly referred to stream crossing as Mulberry Creek. • MP: SITE #1 1.04-1.38; SITE #2 1.90-2.09; SITE #3 2.44-2.77; SITE #4 3.19-4.79 	<ul style="list-style-type: none"> • The revised project will leave the shoulders and the front slopes as they are currently. • Curvature will remain as it is currently and superelevation will not be corrected to meet design speed. Curves that do not meet design speed and that do not meet minimum radius for 45 mph per the 2011 AASHTO Green Book will be treated with a High Friction Surface Course. • Edge line rumble strips will be added under the 0010848 project. • All references to Mulberry Creek in Revised Concept will be changed to Deaton Creek. • MP: SITE #1 4.69-4.54; SITE #2 4.37-3.90; SITE #3 3.82-3.45; SITE #4 2.73-2.26; SITE #5 1.98-1.86. Total length for #0008627 is 1.57 miles. • Project 0010848 will be added to this concept and is to include restriping and resigning Union Church Road from MP 0.00 to MP 5.25. • Total length for #0010848 is 5.25 miles.
<p>Reason(s) for change: Project scope was scaled back to only require right-of-way for the culvert extension, thus reducing the project cost so that it is affordable for county participation. Project 010848 was added to 0008627 to allow for restriping and resigning of CR133/Union Church Road.</p>	

Design Variances and/or Exceptions needed: No Design Variances and/or Design Exceptions are anticipated.

ENVIRONMENTAL AND PERMITS

Potential environmental impacts of proposed revision: Proposed revisions will reduce the footprint of this project therefore reducing the environmental impacts.

Have proposed revisions been reviewed by environmental staff? No Yes

Environmental responsibilities (Studies/Documents/Permits): GDOT

Air Quality:

These projects should be exempt, because they do not add capacity to the existing facility.

- Is the project located in a PM 2.5 Non-attainment area? No Yes
- Is the project located in an Ozone Non-attainment area? No Yes
- Is a Carbon Monoxide hotspot analysis required? No Yes

PROJECT COST AND ADDITIONAL INFORMATION

Item	PI# 0008627	PI# 0010848	Date of Estimate	Funded By
Base Construction Cost:	\$ 940,930.48	\$ 97,152.94	3/14/2014	
Engineering and Inspection (5%):	\$47,046.52	\$4,857.65		
Liquid AC Adjustment:	\$ 17,325.90		2/21/2014	
<u>Total Construction Cost:</u>	\$ 1,005,302.90	\$ 102,010.59		GDOT
Right-of-Way:	\$ 130,000.00		10/10/2013	GDOT
Utilities (reimbursable costs):	\$ 0.00		2/18/2014	
Environmental Mitigation:	NA			
TOTAL PROJECT COST:	\$ 1,135,302.90	\$ 102,010.29		

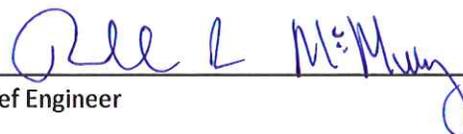
Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Attachments:

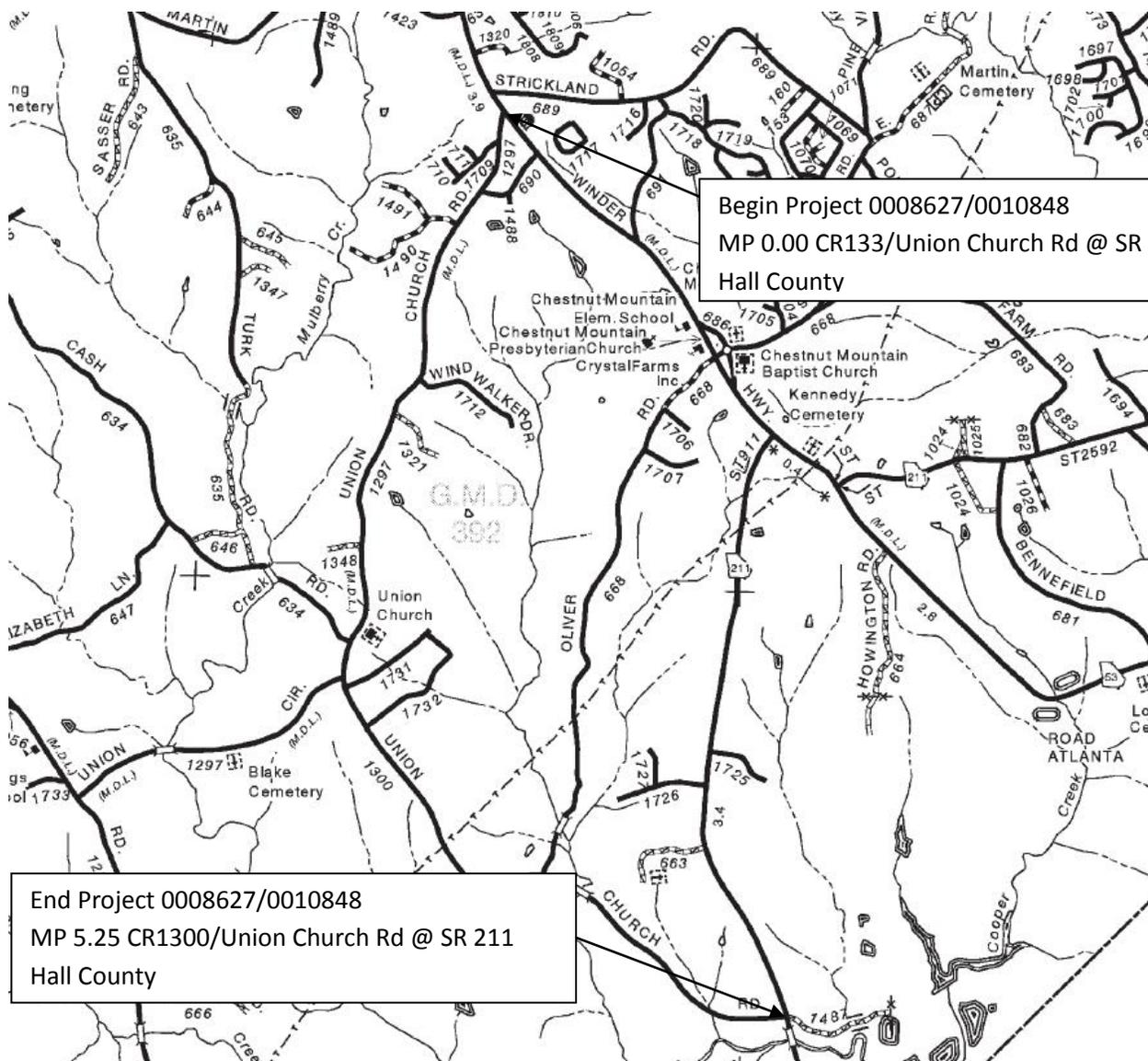
1. Location map
2. Project Plan Sheet
3. Typical Sections
4. Bridge Culvert Structural Report
5. Cost Estimates

APPROVALS

Concur: 
Director of Engineering

Approve: 
Chief Engineer

4/7/14
Date



Location Map

CSSFT-0008-00(627) Hall County, P.I. No. 0008627

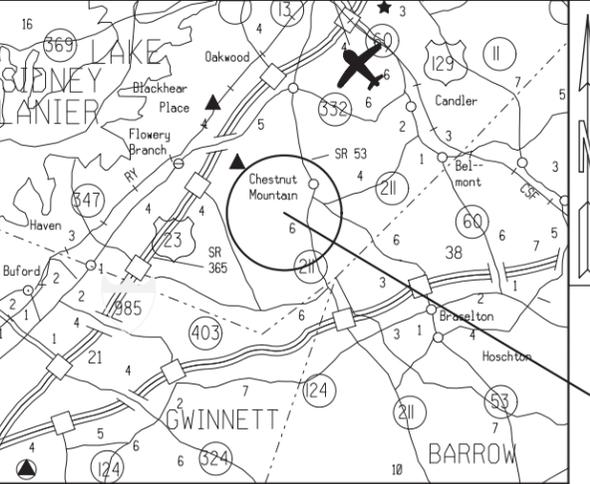
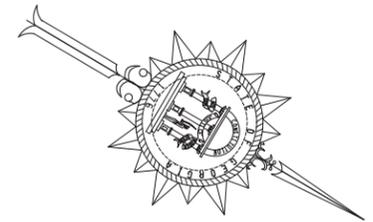
Hall County, P.I. No. 0010848

CR 1300/Union Church Road at Deaton Creek – HRRR

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

PLAN AND PROFILE OF PROPOSED CR 1300/UNION CHURCH ROAD

HALL COUNTY
FEDERAL AID PROJECT
FEDERAL ROUTE * N/A
STATE ROUTE * N/A



LOCATION SKETCH

CSSFT-0008-00(627)
& 0010848
HALL COUNTY

HRRR: CSSFT-0008-00(627)
P. I. NO. 0008627

SIGNING & MARKING: 0010848
P. I. NO. 0010848

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

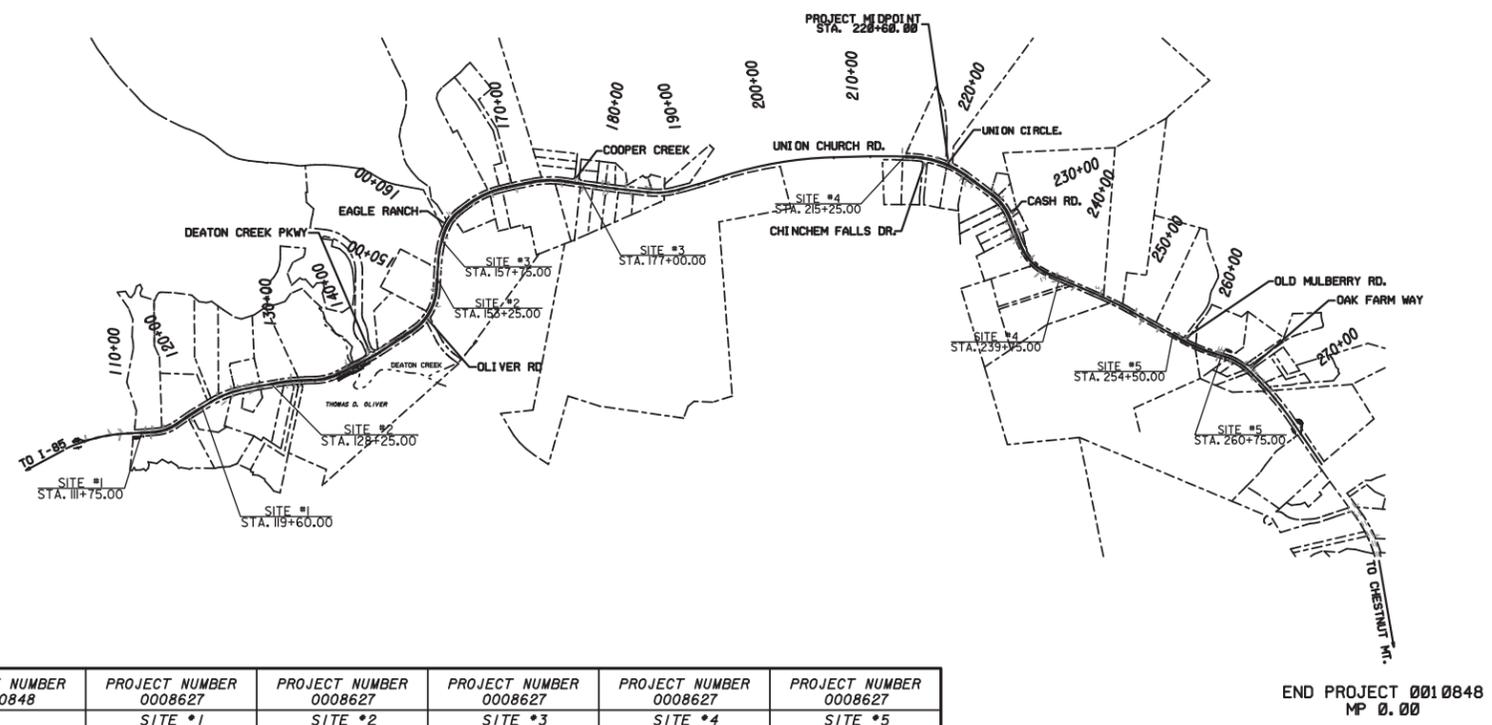
DESIGN DATA:
TRAFFIC A. D. T. : 7000
TRAFFIC D. H. V. : 610
DIRECTIONAL DIST: 51/49
% TRUCKS: 4.5%
24 HR. TRUCKS %: 6%
SPEED DESIGN: 45 MPH

FUNCTIONAL CLASS:
RURAL MINOR COLLECTOR
THIS PROJECT IS 100%
IN HALL COUNTY AND IS
100% IN CONG. DIST. NO. 9 .
PROJECT DESIGNATION: EXEMPT

THIS PROJECT HAS BEEN PREPARED
USING THE HORIZONTAL GEORGIA
COORDINATE SYSTEM OF 1984 (NAD
1983)/94 WEST ZONE, AND THE NORTH
AMERICAN VERTICAL DATUM (NAVD)
OF 1988.

NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS,
DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION
WITH THIS DOCUMENT, TO " STATE HIGHWAY DEPARTMENT OF GEORGIA ", " STATE
HIGHWAY DEPARTMENT ", " GEORGIA STATE HIGHWAY DEPARTMENT ", " HIGHWAY
DEPARTMENT ", OR " DEPARTMENT " WHEN THE CONTEXT THEREOF MEANS THE
STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN
THE DEPARTMENT OF TRANSPORTATION.

**MID-POINT
COORDINATES**
STA 220+60.00
N 1510442.2325
E 2387678.2986



BEGIN PROJECT 0010848
MP 5.25

END PROJECT 0010848
MP 8.00

PREPARED BY: JACK R. GRANT, JR.
LEAD DESIGN ENGINEER
RECOMMENDED FOR SUBMISSION BY: CLAY C. BASTIAN
DESIGN ENGINEER GROUP MANAGER
SUBMITTED BY: STATE ROADWAY DESIGN ENGINEER

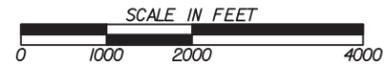
DATE: CHIEF ENGINEER

LOCATION AND DESIGN APPROVAL DATE: _____

PLANS COMPLETED - -

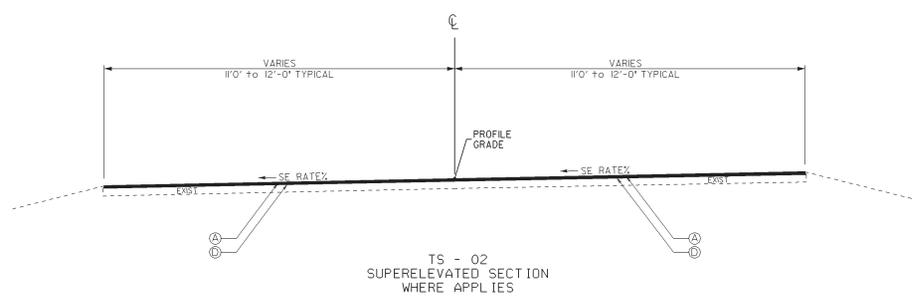
REVISIONS

LENGTH OF PROJECT HALL COUNTY COUNTY * 139	PROJECT NUMBER 0010848		PROJECT NUMBER 0008627									
	LIN FT	MILES										
NET LENGTH OF ROADWAY	27720	5.250	785	0.149	2500	0.473	1925	0.365	2450	0.464	625	0.118
NET LENGTH OF BRIDGES												
NET LENGTH OF PROJECT												
NET LENGTH OF EXCEPTIONS												
GROSS LENGTH OF PROJECT	27720	5.250	785	0.149	2500	0.473	1925	0.365	2450	0.464	625	0.118

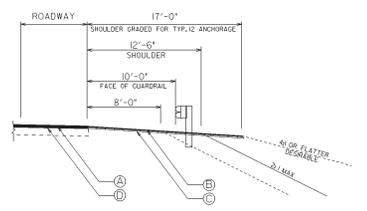
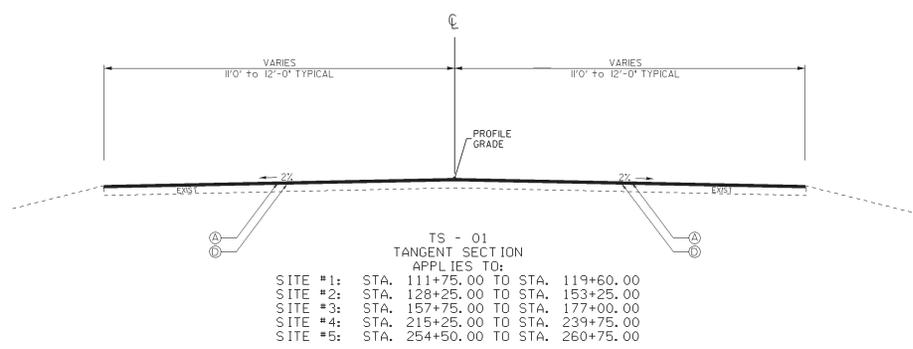


2/21/2014 JGRANT	Fri Feb 21 09:23:03 2014 \\gdot-dsn\goc\gresources\Gdot-2012.tbl	M:\0008627\00NS\008627_05-001.dgn	STATE GA	PROJECT NUMBER CSSFT-0008-00(627)	SHEET NO.	TOTAL SHEETS
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HIGH FRICTION COURSE SUPERELEVATED OVERLAY SECTION



HIGH FRICTION COURSE OVERLAY SECTION



- REQUIRED PAVEMENT:
- (A) HIGH FRICTION SURFACE COURSE
 - (B) RECYCLED ASPH CONC 12.5 MM SP, GP 2 ONLY, INCL BITUM MATL & H LIME (165 #/SY)
 - (C) RECYCLED ASPH CONC 19 MM SP, GP 1 OR 2, INCL BITUM MATL & H LIME (220 #/SY)
 - (D) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME (AS DIRECTED BY ENGINEER)

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

NOT TO SCALE

REVISION DATES	

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
TYPICAL SECTIONS

CSSFT-0008-00(627)
HALL COUNTY

DRAWING No.
05-001

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 139-5062-0

Hall

SUFF. RATING

92.22

Location & Geography

* Structure I.D.No: 139-5062-0
 200 Bridge Information 06
 * 6A Feature Int: MULBERRY RIVER TRIB
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: CR01300
 * 7B Facility Carried: UNION CHURCH RD
 * 9 Location: 5 MI SE OF FLOWERY BR
 2 DOT District: 1
 207 Year Photo: 2013
 * 91 Inspection Frequency: 24 Date: 04/18/2013
 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: 01300
 Direction: 0
 * 16 Latitude: 34-08.3202 MMS Prefix: 00
 * 17 Longitude: 83-50.8352 MMS Suffix: 000 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: 1392130000
 13B Sub Inventory Route: 0
 * 101 Parallel Structure: N
 * 102 Direction of Traffic: 2
 * 264 Road Inventory Mile Post: 001.13
 * 208 Inspection Area: 01 Initials: GMC
 Engineer's Initial: bcn
 * Location I.D. No.: 139-01300X-001.13W

Signs & Attachments

* 104 Highway System: 0
 * 26 Functional Classification: 08
 * 204 Federal Route Type: 0 No.: 00000
 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: 07
 * 20 Toll: 3
 * 21 Maintenance: 02
 * 22 Owner: 02
 * 31 Design Load: 2
 37 Historical Significance: 5
 205 Congressional District: 09
 27 Year Constructed: 1968
 106 Year Reconstructed: 2012
 33 Bridge Median: 0
 34 Skew: 00
 35 Structure Flared: 0
 38 Navigation Control: 0
 213 Special Steel Design: 0
 267 Type of Paint: 0
 * 42 Type of Service on: 1
 5
 214 Movable Bridge: 0
 203 Type Bridge: Q
 259 Pile Encasement: 3
 * 43 Structure Type Main: 1 19
 45 No. Spans Main: 003
 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: N
 108 Wearing Surface Type: N
 M N
 F N
 225 Expansion Joint Type: 00
 242 Deck Drains: 0
 243 Parapet Location: 0
 Height: 0.00
 Width: 0.00
 238 Curb: 0.00 0
 239 Handrail: 0 0
 * 240 Median Barrier Rail: 0
 241 Bridge Median Height: 0.00
 Width: 0.00
 * 230 Guardrail Loc Dir Rear: 0
 Fwr: 0
 Oppo Dir Rear: 0
 Fwr: 0
 244 Approach Slab: 0
 224 Retaining Wall: 0
 233 Posted Speed Limit: 45
 236 Warning Sign: 0
 234 Delineator: 1
 235 Hazard Boards: 1
 237 Utilities Gas: 00
 W 00
 Ele 00
 Telephone: 00
 Se 00
 247 Lighting Street: 0
 Navigtion: 0
 Aerial: 0
 * 248 County Continuity No.: 00

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 139-5062-0

Hall

SUFF. RATING

92.22

Programming Data

201 Project No.: UNKNOWN DESIGN
 202 Plans Available: 0
 249 Prop. Proj. No. 0000000000000000
 250 Approval Status: 0000
 251 P.I. No.: 0000000
 252 Contract Date: 02/01/1901
 260 Seismic No.: 00000
 75 Type Work: 00 0
 94 Bridge Imp. Cost: \$ 125
 95 Roadway Imp. Cost: \$ 13
 96 Total Imp Cost: \$ 188
 76 Imp. Length: 000000
 97 Imp. Year: 2013
 114 Future ADT: 000735 Year: 2032

Measurements

* 29 ADT: 000490 Year: 2012
 109 % Trucks: 0
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0010
 * 49 Structure Length: 32
 51 Br. Rwdy. Width: 0.00
 52 Deck Width: 0.00
 * 47 Tot. Horz. Cl: 32.00
 50 Curb/Sdewlk Width: 0.00/0.00
 32 Approach Rdwy Width: 024
 * 229 Shoulder Width:
 Rear Lt: 3.10 Type: 8 Rt: 5.30
 Fwrd Lt: 3.70 Type: 8 Rt: 5.20
 Pavement Width:
 Rear: 23.60 Type: 2
 Fwrd: 23.60 Type: 2
 Intersection Rear: 0 Fwrd: 1
 36 Safety Features Br. Rail: N
 Transition: N
 App. G. Rail: N
 App. Rail End: N
 53 Minimum Cl.Over: 99 ' 99 "
 Under: N 00 ' 00 "
 * 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 0.00
 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: 0.00
 Deck Thick Approach: 0.00
 246 Overlay Thickness: 0.00
 212 Year Last Painted: Sup: 0000 Sub: 0000

Ratings

65 Inventory Rating Method: 0
 63 Inventory Rating Method: 0
 66 Inventory Type: 2 Rating: 27
 64 Operating Type: 2 Rating: 46
 231 Calculated Loads
 H-Modified: 00 0
 HS-Modified: 00 0
 Type 3: 00 0
 Type 3s2: 00 0
 Timber: 00 0
 Piggyback: 00 0
 261 H Inventory Rating: 15
 262 H Operating Rating: 25
 67 Structural Evaluation: 6
 58 Deck Condition: N
 59 Superstructure Condition: N
 * 227 Collision Damage: 0
 60A Substructure Condition: N
 60B Scour Condition: 6
 60C Underwater Condition: N
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 6
 68 Deck Geometry: N
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 7
 62 Culvert: 6

Hydraulic Data

215 Waterway Data
 Highwater Elev.: 0000.0 Year: 1900
 Avg. Streambed Elev.: 0000.0 Freq.: 00
 Drainage Area: 00007
 Area Of Opening: 000240
 113 Scour Critical: 8
 216 Water Depth: 02.8 Br. Height: 07.2
 222 Slope Protection: 0
 221 Spur Dikes Rear: 0 Fwrd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 5
 Type: 1
 No. Barrels: 3
 Width: 10.00 Height: 8.00
 Length: 64 Apron: 1
 * 265 U/W Insp. Area: 0 Diver: ZZZ
 * Location I.D. No.: 139-01300X-001.13W

Posting Data

70 Bridge Posting Required: 5
 41 Struct Open, Posted, Cl: A
 * 103 Temporary Structure: 0
 232 Posted Loads H-Modified: 00
 HS-Modified: 00
 Type 3: 00
 Type3s2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date 02/01/1901
 253 Fed Notify Date: 02/01/1901 0

DETAILED COST ESTIMATE



Job: 0008627

JOB NUMBER 0008627

FED/STATE PROJECT NUMBER 0008627

SPEC YEAR: 01

DESCRIPTION: HALL COUNTY HIGH RISK RURAL ROAD

ITEMS FOR JOB 0008627

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0040	150-1000	1.000	LS	\$30,000.00000	TRAFFIC CONTROL - ~3% TOTAL CONST	\$30,000.00
0220	167-1000	2.000	EA	\$1,470.35714	WATER QUALITY MONITORING AND SAMPLING	\$2,940.71
0215	167-1500	24.000	MO	\$1,469.22773	WATER QUALITY INSPECTIONS	\$35,261.47
0175	210-0100	1.000	LS	\$125,000.00000	GRADING COMPLETE - CSSFT-0008-0096270	\$125,000.00
0030	634-1200	9.000	EA	\$110.94988	RIGHT OF WAY MARKERS	\$998.55
0070	641-1200	266.000	LF	\$17.99089	GUARDRAIL, TP W	\$4,785.58
0075	641-5001	1.000	EA	\$662.74483	GUARDRAIL ANCHORAGE, TP 1	\$662.74
0080	641-5012	1.000	EA	\$1,871.67742	GUARDRAIL ANCHORAGE, TP 12	\$1,871.68
0200	643-0010	450.000	LF	\$6.93401	FIELD FENCE WOVEN WIRE	\$3,120.30
0190	643-8200	200.000	LF	\$4.86352	BARRIER FENCE (ORANGE), 4 FT	\$972.70
SUBTOTAL FOR ROADWAY:						\$205,613.73

0020 - PAVEMENT ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0081	402-1812	930.000	TN	\$71.32209	RECYL AC LEVELING,INC BM&HL	\$66,329.54
0170	402-3102	40.000	TN	\$75.00000	REC AC 9.5 MM SP,TPII, BL 1 INCL BM & HL	\$3,000.00
0165	402-3190	63.000	TN	\$77.90238	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$4,907.85
0105	413-1000	30.000	GL	\$2.29429	BITUM TACK COAT	\$68.83
0155	419-1000	24850.000	SY	\$22.00000	HIGH FRICTION SURF TRT	\$546,700.00
SUBTOTAL FOR PAVEMENT ITEMS:						\$621,006.22

0040 - DRAINAGE ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0150	207-0203	42.000	CY	\$55.61295	FOUND BKFILL MATL, TP II	\$2,335.74
0065	500-3101	155.000	CY	\$539.21797	CLASS A CONCRETE	\$83,578.79
0060	511-1000	11706.000	LB	\$0.99343	BAR REINF STEEL	\$11,629.09
0185	603-7000	10.000	SY	\$5.78379	PLASTIC FILTER FABRIC	\$57.84
SUBTOTAL FOR DRAINAGE ITEMS:						\$97,601.46

0120 - EROSION CONTROL - TEMPORARY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0110	163-0232	1.000	AC	\$725.63199	TEMPORARY GRASSING	\$725.63
0210	163-0300	2.000	EA	\$1,561.78667	CONSTRUCTION EXIT	\$3,123.57
0195	163-0541	2.000	EA	\$270.00000	CONSTR & REM ROCK FILTER DAMS	\$540.00
0120	165-0030	900.000	LF	\$1.58234	MAINT OF TEMP SILT FENCE, TP C	\$1,424.11
0125	171-0030	900.000	LF	\$3.84821	TEMPORARY SILT FENCE, TYPE C	\$3,463.39
SUBTOTAL FOR EROSION CONTROL - TEMPORARY:						\$9,276.70

DETAILED COST ESTIMATE



Job: 0008627

0130 - EROSION CONTROL - PERMANENT

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0115	163-0240	11.000	TN	\$351.65391	MULCH	\$3,868.19
0180	603-2012	10.000	SY	\$86.50697	STN DUMPED RIP RAP, TP 1, 12"	\$865.07
0130	700-6910	1.000	AC	\$860.05118	PERMANENT GRASSING	\$860.05
0135	700-7000	3.000	TN	\$72.22588	AGRICULTURAL LIME	\$216.68
0140	700-8000	1.000	TN	\$401.26451	FERTILIZER MIXED GRADE	\$401.26
0145	700-8100	50.000	LB	\$2.79482	FERTILIZER NITROGEN CONTENT	\$139.74
0205	716-2000	700.000	SY	\$1.54483	EROSION CONTROL MATS, SLOPES	\$1,081.38
<i>SUBTOTAL FOR EROSION CONTROL - PERMANENT:</i>						\$7,432.37

TOTALS FOR JOB 0008627

ITEMS COST:	\$940,930.48
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$940,930.48
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$987,977.00

PROJ. NO.	CSSFT-0008-00(627)
P.I. NO.	0008627
DATE	2/21/2014

CALL NO.

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Feb-14	\$ 3.183
DIESEL		\$ 3.823
LIQUID AC		\$ 558.00

Link to Fuel and AC Index:
<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

LIQUID AC ADJUSTMENTS

PA=(((APM-APL)/APL)]xTMTxAPL

Asphalt

Price Adjustment (PA)				17325.9	\$	17,325.90
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	892.80		
Monthly Asphalt Cement Price month project let (APL)			\$	558.00		
Total Monthly Tonnage of asphalt cement (TMT)				51.75		

ASPHALT	Tons	%AC	AC ton
Leveling	930	5.0%	46.5
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	40	5.0%	2
25 mm SP		5.0%	0
19 mm SP	65	5.0%	3.25
	1035		51.75

BITUMINOUS TACK COAT

Price Adjustment (PA)			\$	43.14	\$	43.14
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	892.80		
Monthly Asphalt Cement Price month project let (APL)			\$	558.00		
Total Monthly Tonnage of asphalt cement (TMT)						0.128853028

Bitum Tack		
Gals	gals/ton	tons
30	232.8234	0.12885303

PROJ. NO.

CSSFT-0008-00(627)

CALL NO.

P.I. NO.

0008627

DATE

2/21/2014

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)						0	\$	-
Monthly Asphalt Cement Price month placed (APM)		Max. Cap	60%	\$	892.80			
Monthly Asphalt Cement Price month project let (APL)				\$	558.00			
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
					0

TOTAL LIQUID AC ADJUSTMENT							\$	17,369.04
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DETAILED COST ESTIMATE



Job: 0010848

JOB NUMBER 0010848

FED/STATE PROJECT NUMBER 0010848

SPEC YEAR: 01

DESCRIPTION: CR 1300/UNION CHURCH RD @MULBERRY RIVER TRIB-SIGNING&MARKING

ITEMS FOR JOB 0010848

0010 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0010	456-2020	11.500	GLM	\$650.00000	INDENT, EDG LN RUMB STRP -GND-IN-PL(CON)	\$7,475.00
0015	636-1020	80.000	SF	\$14.00925	HWY SGN,TP1MAT,REFL SH TP3	\$1,120.74
0020	636-1033	220.000	SF	\$19.38091	HWY SIGNS, TP1MAT,REFL SH TP 9	\$4,263.80
0025	636-1041	290.000	SF	\$31.00780	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$8,992.26
0030	636-2070	1060.000	LF	\$4.68703	GALV STEEL POSTS, TP 7	\$4,968.25
0035	636-2090	150.000	LF	\$8.17170	GALV STEEL POSTS, TP 9	\$1,225.76
0040	653-0120	6.000	EA	\$87.77252	THERM PVMT MARK, ARROW, TP 2	\$526.64
0045	653-0230	2.000	EA	\$144.55420	THERM PVMT MARK, WORD , TP 3A	\$289.11
0050	653-1501	62305.000	LF	\$0.54044	THERMO SOLID TRAF ST 5 IN, WHI	\$33,672.11
0055	653-1502	61000.000	LF	\$0.32415	THERMO SOLID TRAF ST, 5 IN YEL	\$19,773.15
0060	653-1704	54.000	LF	\$4.17571	THERM SOLID TRAF STRIPE,24",WH	\$225.49
0065	653-3501	320.000	GLF	\$0.53024	THERMO SKIP TRAF ST, 5 IN, WHI	\$169.68
0070	653-6004	256.000	SY	\$4.03791	THERM TRAF STRIPING, WHITE	\$1,033.70
0075	653-6006	1910.000	SY	\$5.56914	THERM TRAF STRIPING, YELLOW	\$10,637.06
0080	654-1001	830.000	EA	\$3.34963	RAISED PVMT MARKERS TP 1	\$2,780.19
SUBTOTAL FOR SIGNING AND MARKING:						\$97,152.94

TOTALS FOR JOB 0010848

ITEMS COST:	\$97,152.94
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$97,152.94
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$102,010.59

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 10/10/2013 Project: CSSFT-0008-00(627)
 Revised: County: Hall
 PI: 0008627

Description: CR 1300 Union Church Road Mulberry Creek
 Project Termini: CR 1300 Union Church Road Mulberry Creek

Existing ROW: Varies
 Required ROW: Varies
 Parcels: 1

Land and Improvements _____ \$73,837.50

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$45,000.00

Valuation Services _____ \$1,000.00

Legal Services _____ \$38,175.00

Relocation _____ \$2,000.00

Demolition _____ \$0.00

Administrative _____ \$14,500.00

TOTAL ESTIMATED COSTS _____ \$129,512.50

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$130,000.00

Preparation Credits	Hours	Signature

Prepared By: Dashone Alexander CG#: 286999 10/10/2013 (TE)
 Approved By: Dashone Alexander CG#: 286999 10/10/2013 (TE)

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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE CSSFT-0008-00(627) Hall Co. **OFFICE** Gainesville
P.I. No. 0008627
CR 1300 / Union Church Rd HRRR **DATE** January 10, 2012

FROM Jason Dykes 
Assistant District Utilities Engineer

TO Charles Robinson, Project Manager

SUBJECT PRELIMINARY UTILITY COST (ESTIMATE)

As requested by your office, we are furnishing you with a Preliminary Utility Cost estimate for the subject project.

<u>FACILITY OWNER</u>	<u>REIMBURSABLE</u>	<u>NONREIMBURSABLE</u>
ATLANTA GAS LIGHT	\$0.00	\$83,160.00
AT & T	\$0.00	\$108,504.00
CHARTER COMMUNICATIONS	\$0.00	\$122,760.00
CITY OF GAINESVILLE	\$0.00	\$572,880.00
JACKSON EMC	\$0.00	\$648,000.00
Total	\$0.00	\$1,535,304.00

If you have any questions, please contact Jason Dykes at 770-532-5510.

JAD

C: Jeff Baker, State Utilities Engineer - via email
Angie Robinson, Office of Financial Management - via email
Matt Needham, Area Engineer, - via email
File