

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0000481
STP00-0000-00(481)
Crisp County
GDOT District 4 - Tifton
SR 30/SR 90 from 4 Lane @ I-75
to Midway Road in Cordele

OFFICE Design Policy & Support

DATE November 30, 2015

FROM  Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval 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
Darryl VanMeter, State Innovative Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Hiral Patel, State Environmental Administrator
Bill DuVall, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Andy Casey, State Roadway Design Engineer
Attn: Fletcher Miller, Design Group Manager
Richard Cobb, Location Bureau Chief
Chad Hartley, District Engineer
Brent Thomas, District Preconstruction Engineer
Dennis Carter, District Planning & Programming Engineer
Keith Carver, Area Engineer - D4, A2
Michelle Wright, Project Manager
BOARD MEMBER - 2nd Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0000481, Crisp County OFFICE Program Delivery
SR 30/SR 90 from 4-lane @ I-75
to Midway Road in Cordele

Albert Shelby

FROM Albert V. Shelby, III, State Program Delivery Engineer DATE October 30, 2015

TO Brent A. Story, P.E., State Design Policy Engineer
Attention: Dave Peters, P.E.

SUBJECT **Request for Location and Design Approval**

Description and Project Proposal: The project proposes to widen SR 30/SR 90/US 280 in the City of Cordele in Crisp County, Georgia. The project begins just east of the I-75 northbound ramps and extends eastward to just east of the intersection of SR 30/90/US 280 and Midway Road. SR 30 will be widened to provide two lanes in each direction with a 14-ft. flush median up to the intersection of Midway Road, where the outside eastbound lane will become a right turn lane. An upgrade to the existing signalized intersection of SR 30/SR 90/US 280 and Midway Road along with the addition of right turn lanes will be included in the project.

Concept Approval Date: September 17, 2014

Concept Update: N/A

Environmental Document:

Document Type: GEPA Type B

Approval Date:

Temporary State Route Needed: No Yes Undetermined

Public Involvement: A Public Information Open House (PIOH) was held on August 27, 2015. A total of two (2) people were in attendance. No comments were received from the public.

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

Concur:

John Bon

GDOT Director of Engineering

Approve:

Margaret B. Pivels

GDOT Chief Engineer

11.20.15

Date

PI 0000481, Crisp
Request for Location and Design Approval
10-27-15

DATE OF LOCATION AND DESIGN APPROVAL:

November 30, 2015

Attachments:

- ~~Sketch Map~~
- Construction Cost Estimate
- Notice of Location and Design Approval
- ~~Preconstruction Status Report~~
- Map

For additional information, please contact Project Manager, Michelle Wright, at
(912) 271-7562.

BWS

JMB

AVS:BWS:JMB:MW

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 481 **OFFICE** Program Delivery

PROJECT DESCRIPTION

SR 30/SR 90 FROM 4 LN @ I-75 TO MIDWAY RD IN CORDELE

DATE October 15, 2015

From: Albert V. Shelby, III, State Program Delivery Engineer

To: Lisa L. Myers, State Project Review Engineer

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Michelle Wright **MGMT LET DATE** 4/15/2017
MGMT ROW DATE 1/15/2016

PROGRAMMED COSTS (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION	\$	2,326,890.00	DATE	9/17/2014
RIGHT OF WAY	\$	1,420,000.00	DATE	8/21/2015
UTILITIES	\$	50,000.00	DATE	9/17/2014

REVISED COST ESTIMATES

CONSTRUCTION*	\$	1,808,174.83
RIGHT OF WAY	\$	N.A.
UTILITIES	\$	356,400.00

*Cost Contains 3 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

A 3% contingency was selected based on the "Risk Based Cost Estimation" memo which gives a range of 0% to 5% for this type of project at this stage. Based on what is currently known about this project, a moderate risk in the middle of the range was selected. This CST estimate decrease is due to the use of an overlay pavement design instead of a full-depth pavement design which was used for the 2014 estimate. The UTL cost increase is due to annual inflation increase and the fact that the UTL cost estimate amount of \$50,000 in TPro is incorrect and should have been \$324,000.00 (2014 estimate is attached).

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	1,623,011.90	Base Estimate From CES
B. ENGINEERING AND INSPECTION (E & I):	\$	81,150.60	Base Estimate (A) x 5 %
C. CONTINGENCY:	\$	51,124.87	Base Estimate (A) + E & I (B) x 3 % See % Table in "Risk Based Cost Estimation" Memo
D. TOTAL LIQUID AC ADJUSTMENT:	\$	52,887.46	Total From Liquid AC Spreadsheet
E. CONSTRUCTION TOTAL:	\$	1,808,174.83	(A + B + C + D = E)

REIMBURSABLE UTILTY COSTS

UTILITY OWNER	REIMBURSABLE COST
Bellsouth	\$ 47,300.00
City of Cordele	\$275,000.00
Mediacom	\$34,100.00
Crisp County Power	\$ -
TOTAL	\$ 356,400.00

ATTACHMENTS:

Detailed Cost Estimate Printout From TRAQS
Liquid AC Adjustment Spreadsheet

PROJ. NO. STP00-0000-00(481)
 P.I. NO. 0000481
 DATE

CALL NO.

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Oct-15	
DIESEL		
LIQUID AC		\$ 429.00

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)					51441.39	\$	51,441.39
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	686.40			
Monthly Asphalt Cement Price month project let (APL)			\$	429.00			
Total Monthly Tonnage of asphalt cement (TMT)					199.85		

ASPHALT	Tons	%AC	AC ton
Leveling	400	5.0%	20
12.5 OGFC		5.0%	0
12.5 mm	1620	5.0%	81
9.5 mm SP		5.0%	0
25 mm SP	1259	5.0%	62.95
19 mm SP	718	5.0%	35.9
	3997		199.85

BITUMINOUS TACK COAT

Price Adjustment (PA)			\$	1,446.07	\$	1,446.07
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	686.40		
Monthly Asphalt Cement Price month project let (APL)			\$	429.00		
Total Monthly Tonnage of asphalt cement (TMT)					5.617992006	

Bitum Tack

Gals	gals/ton	tons
1308	232.8234	5.61799201

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				0	\$	-
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	686.40		
Monthly Asphalt Cement Price month project let (APL)			\$	429.00		
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 \$ 52,887.46

DETAILED COST ESTIMATE



Job: 0000481PRED

JOB NUMBER 0000481PRED

FED/STATE PROJECT NUMBER STP00-0000-00(481)

SPEC YEAR: 13

DESCRIPTION: SR 30/SR 90 FROM 4 LANE @ I-75 TO MIDWAY RD IN CORDELE

ITEMS FOR JOB 0000481PRED

010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0180	150-1000	1.000	LS	\$75,000.00000	TRAFFIC CONTROL - STP00-0000-00(481)	\$75,000.00
0185	150-5010	2.000	EA	\$8,119.10971	TRAF CTRL,PORTABLE IMPACT ATTN	\$16,238.22
0030	210-0100	1.000	LS	\$350,000.00000	GRADING COMPLETE - PRELIMINARY ESTIMATE	\$350,000.00
0005	310-1101	4135.000	TN	\$30.08757	GR AGGR BASE CRS, INCL MATL	\$124,412.10
0290	402-1812	400.000	TN	\$87.51518	RECYL AC LEVELING,INC BM&HL	\$35,006.07
0010	402-3121	1259.000	TN	\$76.49500	RECYL AC 25MM SP,GP1/2,BM&HL	\$96,307.21
0015	402-3130	1620.000	TN	\$71.68000	RECYL AC 12.5MM SP,GP2,BM&HL	\$116,121.60
0020	402-3190	718.000	TN	\$85.52065	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$61,403.83
0270	413-0750	1308.000	GL	\$3.50000	TACK COAT	\$4,578.00
0295	432-5010	10540.000	SY	\$3.14793	MILL ASPH CONC PVMT,VARB DEPTH	\$33,179.18
0035	441-0104	1308.000	SY	\$36.72202	CONC SIDEWALK, 4 IN	\$48,032.40
0045	441-4030	30.000	SY	\$54.97786	CONC VALLEY GUTTER, 8 IN	\$1,649.34
0040	441-6222	3541.000	LF	\$18.95464	CONC CURB & GUTTER/ 8X30TP2	\$67,118.38
0300	446-1100	5553.000	LF	\$4.32321	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	\$24,006.79
0305	500-9999	79.000	CY	\$206.60796	CL B CONC,BASE OR PVMT WIDEN	\$16,322.03
0190	634-1200	20.000	EA	\$126.32750	RIGHT OF WAY MARKERS	\$2,526.55
SUBTOTAL FOR ROADWAY:						\$1,071,901.70

020 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0285	441-0303	2.000	EA	\$1,749.02352	CONC SPILLWAY, TP 3	\$3,498.05
0100	500-3101	3.000	CY	\$665.56990	CLASS A CONCRETE	\$1,996.71
0060	550-1180	1981.000	LF	\$42.51543	STM DR PIPE 18,H 1-10	\$84,223.07
0070	550-1240	770.000	LF	\$52.60486	STM DR PIPE 24,H 1-10	\$40,505.74
0275	550-1300	184.000	LF	\$63.00504	STM DR PIPE 30,H 1-10	\$11,592.93
0075	550-1360	260.000	LF	\$77.32629	STM DR PIPE 36,H 1-10	\$20,104.84
0280	550-4218	5.000	EA	\$586.11174	FLARED END SECT 18 IN, ST DR	\$2,930.56
0090	550-4224	1.000	EA	\$733.51227	FLARED END SECT 24 IN, ST DR	\$733.51
0095	550-4236	2.000	EA	\$1,286.58599	FLARED END SECT 36 IN, ST DR	\$2,573.17
0078	668-1100	15.000	EA	\$2,217.48478	CATCH BASIN, GP 1	\$33,262.27
0080	668-2100	17.000	EA	\$2,155.42540	DROP INLET, GP 1	\$36,642.23
0085	668-4300	1.000	EA	\$2,039.22038	STORM SEW MANHOLE, TP 1	\$2,039.22
SUBTOTAL FOR DRAINAGE:						\$240,102.30

DETAILED COST ESTIMATE



Job: 0000481PRED

030 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0130	163-0232	1.000	AC	\$695.14012	TEMPORARY GRASSING	\$695.14
0125	163-0300	2.000	EA	\$1,607.70772	CONSTRUCTION EXIT	\$3,215.42
0170	163-0528	30.000	LF	\$7.21813	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$216.54
0150	163-0550	32.000	EA	\$199.38868	CONS & REM INLET SEDIMENT TRAP	\$6,380.44
0140	165-0030	1500.000	LF	\$0.67677	MAINT OF TEMP SILT FENCE, TP C	\$1,015.16
0175	165-0041	30.000	LF	\$3.08587	MAINT OF CHECK DAMS - ALL TYPES	\$92.58
0145	165-0101	2.000	EA	\$575.89041	MAINT OF CONST EXIT	\$1,151.78
0155	165-0105	32.000	EA	\$66.39836	MAINT OF INLET SEDIMENT TRAP	\$2,124.75
0135	171-0030	3000.000	LF	\$3.90000	TEMPORARY SILT FENCE, TYPE C	\$11,700.00
0380	603-2024	50.000	SY	\$64.25123	STN DUMPED RIP RAP, TP 1, 24	\$3,212.56
0385	603-2181	50.000	SY	\$53.39417	STN DUMPED RIP RAP, TP 3, 18	\$2,669.71
0105	700-6910	2.000	AC	\$1,230.78784	PERMANENT GRASSING	\$2,461.58
0110	700-7000	4.000	TN	\$93.71627	AGRICULTURAL LIME	\$374.87
0115	700-8000	1.000	TN	\$630.97995	FERTILIZER MIXED GRADE	\$630.98
0120	700-8100	105.000	LB	\$4.40734	FERTILIZER NITROGEN CONTENT	\$462.77
0215	716-2000	21688.000	SY	\$1.23014	EROSION CONTROL MATS, SLOPES	\$26,679.28
SUBTOTAL FOR EROSION CONTROL:						\$63,083.56

040 - SIGNING & MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0350	636-1033	199.000	SF	\$17.83265	HWY SIGNS, TP1MAT,REFL SH TP 9	\$3,548.70
0360	636-1036	60.000	SF	\$17.74781	HWY SGN,TP1MAT,REFL SH TP 11	\$1,064.87
0355	636-1041	75.000	SF	\$40.03599	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$3,002.70
0365	636-2070	469.000	LF	\$7.08050	GALV STEEL POSTS, TP 7	\$3,320.75
0370	636-2080	87.000	LF	\$9.81075	GALV STEEL POSTS, TP 8	\$853.54
0375	636-2090	39.000	LF	\$9.20964	GALV STEEL POSTS, TP 9	\$359.18
0330	653-0120	13.000	EA	\$77.98765	THERM PVMT MARK, ARROW, TP 2	\$1,013.84
0335	653-0130	5.000	EA	\$106.98811	THERM PVMT MARK, ARROW, TP 3	\$534.94
0195	653-1501	5806.000	LF	\$0.50685	THERMO SOLID TRAF ST 5 IN, WHI	\$2,942.77
0200	653-1502	5806.000	LF	\$0.53181	THERMO SOLID TRAF ST, 5 IN YEL	\$3,087.69
0325	653-1704	228.000	LF	\$6.63059	THERM SOLID TRAF STRIPE,24,WH	\$1,511.77
0320	653-1804	2879.000	LF	\$2.13565	THERM SOLID TRAF STRIPE, 8,WH	\$6,148.54
0310	653-3501	2430.000	GLF	\$0.30827	THERMO SKIP TRAF ST, 5 IN, WHI	\$749.10
0315	653-3502	1932.000	GLF	\$0.39193	THERMO SKIP TRAF ST, 5 IN, YEL	\$757.21
0340	653-6004	220.000	SY	\$3.69076	THERM TRAF STRIPING, WHITE	\$811.97
0345	653-6006	191.000	SY	\$3.75156	THERM TRAF STRIPING, YELLOW	\$716.55
0210	654-1003	132.000	EA	\$3.94107	RAISED PVMT MARKERS TP 3	\$520.22
SUBTOTAL FOR SIGNING & MARKING:						\$30,944.34

050 - TRAFFIC SIGNAL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0220	647-1000	1.000	LS	\$100,000.00000	TRAF SIGNAL INSTALLATION NO - 1	\$100,000.00
SUBTOTAL FOR TRAFFIC SIGNAL:						\$100,000.00

DETAILED COST ESTIMATE



Job: 0000481PRED

060 - LIGHTING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0265	681-0550	14.000	EA	\$4,000.00000	LTG STD, ST, 50 FT MH 15 FT ARM	\$56,000.00
0230	681-6366	14.000	EA	\$500.00000	LUMINAIRE, TP 3, 400W, HP SODIUM	\$7,000.00
0235	682-1406	9315.000	LF	\$2.00000	CABLE, TP XHHW, AWG NO 6	\$18,630.00
0240	682-1408	350.000	LF	\$3.00000	CABLE, TP XHHW, AWG NO 2	\$1,050.00
0245	682-6219	2700.000	LF	\$6.00000	CONDUIT, NONMETL, TP 2, 1 IN	\$16,200.00
0250	682-6222	300.000	LF	\$7.00000	CONDUIT, NONMETL, TP 2, 2 IN	\$2,100.00
0255	682-9000	1.000	LS	\$10,000.00000	MAIN SVC PICK UP POINT	\$10,000.00
0260	682-9021	4.000	EA	\$1,500.00000	ELEC JCT BX, CONC GRD MOUNTED	\$6,000.00
SUBTOTAL FOR LIGHTING:						\$116,980.00

TOTALS FOR JOB 0000481PRED

ITEMS COST:	\$1,623,011.90
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,625,145.00
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,625,145.00

NOTICE OF LOCATION AND DESIGN APPROVAL
CRISP COUNTY
P. I. NO. 0000481

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location and design approval is: November 30, 2015

The project proposes to widen SR 30/90/US 280 in the City of Cordele in Crisp County, Georgia. The project begins just east of the I-75 northbound ramps and extends eastward to just east of the intersection of SR 30/90/US 280 and Midway Road. SR 30 will be widened to provide two lanes in each direction with a 14-ft. flush median up to the intersection of Midway Road, where the outside eastbound lane will become a right turn lane. An upgrade to the existing signalized intersection of SR 30/90/US 280 and Midway Road along with the addition of right turn lanes will be included in the project.

This project is located in Georgia Militia District (GMD) 45 and is in Land Lots 23, 24, 41, and 42 of the 11th Land District of Crisp County, Georgia.

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:

H. Keith Carver
hcarver@dot.ga.gov
Georgia Department of Transportation
1835 South Peterson Avenue
Douglas, GA 31535
(912) 389-4737

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:

Albert V. Shelby, III
State Program Delivery Engineer
Attn: Michelle Wright
micwright@dot.ga.gov
600 West Peachtree Street, NW
Atlanta, GA 30308
(912) 271-7562

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

PROJECT LOCATION

