

ORIGINAL TO GENERAL FILES

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

**FILE** P.I. #0010292 **OFFICE** Design Policy & Support  
SR 520/US 82 @ CR 259/County Line  
Road – Intersection Improvements  
Dougherty County  
GDOT District 4 - Tifton **DATE** July 15, 2014

**FROM**  for 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  
Bobby Hilliard, Program Control Administrator  
Cindy VanDyke, State Transportation Planning Administrator  
Hiral Patel, State Environmental Administrator  
Kathy Zahul, State Traffic Engineer  
Angela Robinson, Financial Management Administrator  
Lisa Myers, State Project Review Engineer  
Jeff Fletcher, Location Bureau Chief  
Joe Sheffield, District Engineer  
Brent Thomas, District Preconstruction Engineer  
Shane Pridgen, District Planning & Programming Engineer  
Derrick Wilkerson, Assistant Area Engineer - D4, A5  
Sonja Thompson, Project Manager  
BOARD MEMBER - 2nd Congressional District

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

FILE: CSSFT-0000-00(292), Dougherty OFFICE Program Delivery  
P.I. No. 0010292  
SR 520/US 82 @ CR 259/County Line Road DATE June 20, 2014

FROM: Albert V. Shelby, III, State Program Delivery Engineer *Albert Shelby*

TO: Brent A. Story, P.E., State Design Policy Engineer  
ATTN: Dave Peters, State Conceptual Design Group Manager

SUBJECT: **Request for Location and Design Approval**

**Description and Project Proposal:** The proposed project is to reduce the crash frequency and severity and improve the operation of SR 520/US 82 intersection with South County Line Road/CR 459 and North County Line Road/CR 459 in Dougherty County. The project location begins on SR 520/US 82 just west of the intersection with North and South County Line Roads at MP 15.56 and ends just east of the Old County Line Road intersection at MP 15.92 for a total project length of 0.36 miles. SR 520/US 82 is a four lane roadway with a 64 foot depressed median with a 55 mph speed limit. It forms an intersection with North County Line Road and South County Line Road, two lane roadways that are also posted for 55 mph speed limit. The median opening is relatively wide and uncontrolled with left turn lanes built parallel and next to the through lanes. The side roads are currently stop controlled on each respective side of the intersection. SR 520/US 82 will be improved by lengthening the left turn lanes to comply with AASHTO auxiliary lane guidelines for deceleration, storage, and tapering. A traffic signal is proposed at SR 520/US 82 at North and South County Line Road to allow protected left turn movements in each direction at the intersection. This traffic signal will be interconnected with the warning flashers and gates of the nearby railroad crossing on South County Line Road. North and South County Line Road will be slightly realigned through the intersection with a horizontal curve.

**Concept Approval Date:** August 2, 2012

**Concept Update:** None

**Environmental Document Type, Approval Date & any Reevaluations:** Categorical Exclusion, approved June 19, 2014.

**Temporary State Route Needed:** No  Yes  Undetermined

**Public Involvement:** Public hearing open house is not required and was not scheduled.

**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: *Alan Bunn*  
Director of Engineering

APPROVE: *Russell Mumme* <sup>ATM</sup> *7/9/14*  
Chief Engineer Date

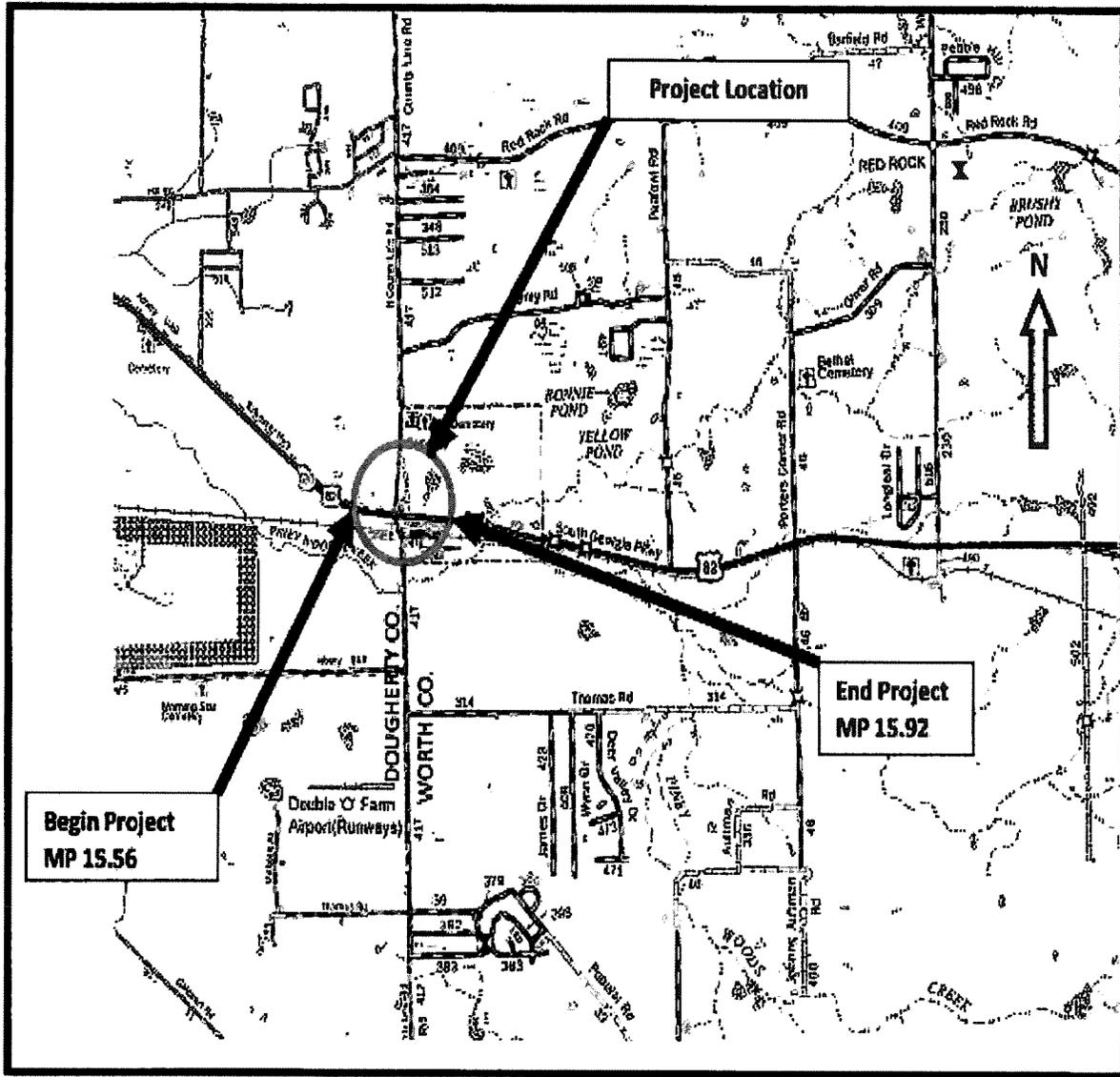
DATE OF LOCATION AND DESIGN APPROVAL: *JULY 15, 2014*  
(To be entered by the State Conceptual Design Group Manager)

*BVA*  
AVS:BWS:RPM:SLT

Attachments:

- Sketch Map
- Cost Estimate
- Notice of Location and Design Approval

**PROJECT LOCATION:**



**SR 520/US 82 @ CR 459/COUNTY LINE RD.  
DOUGHERTY COUNTY**

# DETAILED COST ESTIMATE



Job: 0010292

JOB NUMBER 0010292

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: SR 520/US 82 AT CR 459/COUNTY LINE ROAD

## ITEMS FOR JOB 0010292

### 0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$100,000.00000	TRAFFIC CONTROL - CSSFT-0010-00(292)	\$100,000.00
0010	210-0100	1.000	LS	\$520,000.00000	GRADING COMPLETE - CSSFT-0010-00(292)	\$520,000.00
0015	310-1101	10172.000	TN	\$23.04000	GR AGGR BASE CRS, INCL MATL	\$234,362.88
0055	402-1812	900.000	TN	\$78.48035	RECYL AC LEVELING, INC BM&HL	\$70,632.32
0020	402-3111	1755.000	TN	\$68.00000	RECYL AC 19MM MIX, GP1OR2, BM&HL	\$119,340.00
0025	402-3121	2544.000	TN	\$68.00526	RECYL AC 25MM SP, GP1/2, BM&HL	\$173,005.38
0030	402-4510	1411.000	TN	\$89.29959	RECYL AC 12.5 MM SP, GP2ONLY, INC P-MBM&HL	\$126,001.72
0035	413-1000	1021.000	GL	\$2.49000	BITUM TACK COAT	\$2,542.29
0040	432-5010	10980.000	SY	\$2.32301	MILL ASPH CONC PVMT, VARB DEPTH	\$25,506.65
0045	441-0748	50.000	SY	\$48.77292	CONC MEDIAN, 6 IN	\$2,338.65
0050	446-1100	7750.000	LF	\$2.60045	PVMT REF FAB STRIPS, TP2, 18 INCH WIDTH	\$20,153.49
0255	641-1200	288.000	LF	\$17.96667	GUARDRAIL, TP W	\$5,174.46
0245	641-5001	1.000	EA	\$600.67500	GUARDRAIL ANCHORAGE, TP 1	\$600.68
0250	641-5012	1.000	EA	\$1,805.29167	GUARDRAIL ANCHORAGE, TP 12	\$1,805.29
<b>SUBTOTAL FOR ROADWAY:</b>						<b>\$1,401,463.81</b>

### 0020 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0060	500-3200	78.000	CY	\$151.09471	CL B CONC	\$11,785.39
0065	511-1000	8422.000	LB	\$0.73525	BAR REINF STEEL	\$6,192.28
0070	550-1180	56.000	LF	\$31.99463	STM DR PIPE 18", H 1-10	\$1,791.69
0075	550-1240	146.000	LF	\$39.96114	STM DR PIPE 24", H 1-10	\$5,834.33
0080	550-1300	184.000	LF	\$53.88714	STM DR PIPE 30", H 1-10	\$9,837.49
0084	550-1480	218.000	LF	\$70.45104	STM DR PIPE 48", H 1-10	\$15,217.42
0090	550-2180	230.000	LF	\$28.25979	SIDE DR PIPE 18", H 1-10	\$6,039.75
0095	550-3618	8.000	EA	\$614.01584	SAFETY END SECTION 18", STD, 6:1	\$4,912.13
0100	550-3530	2.000	EA	\$1,845.37429	SAFETY END SECTION 30", STD, 6:1	\$3,290.75
0260	550-3648	4.000	EA	\$2,115.00000	SAFETY END SECTION 48", SD, 6:1	\$8,460.00
0105	550-4218	2.000	EA	\$501.42318	FLARED END SECT 18 IN, ST DR	\$1,002.85
0110	550-4224	7.000	EA	\$620.70906	FLARED END SECT 24 IN, ST DR	\$3,644.96
0130	600-0001	9.000	CY	\$178.80920	FLOWABLE FILL	\$1,609.28
0120	668-2100	3.000	EA	\$1,666.74478	DROP INLET, GP 1	\$5,000.23
0125	668-7018	1.000	EA	\$1,913.07692	DRAIN INLET, 18 IN	\$1,913.08
<b>SUBTOTAL FOR DRAINAGE:</b>						<b>\$86,531.63</b>

# DETAILED COST ESTIMATE



Job: 0010292

**0030 - EROSION CONTROL**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0135	163-0232	3.000	AC	\$419.10685	TEMPORARY GRASSING	\$1,257.32
0145	163-0240	107.000	TN	\$204.52008	MULCH	\$21,883.65
0140	163-0300	4.000	EA	\$1,183.41377	CONSTRUCTION EXIT	\$4,773.68
0181	163-0550	4.000	EA	\$164.76834	CONS & REM INLET SEDIMENT TRAP	\$659.07
0182	165-0010	2830.000	LF	\$0.75426	MAINT OF TEMP SILT FENCE, TP A	\$2,134.56
0183	165-0101	4.000	EA	\$543.88087	MAINT OF CONST EXIT	\$2,175.52
0184	165-0105	4.000	EA	\$43.59091	MAINT OF INLET SEDIMENT TRAP	\$174.36
0150	187-1000	1.000	EA	\$628.44737	WATER QUALITY MONITORING AND SAMPLING	\$628.45
0155	187-1500	12.000	MO	\$959.53890	WATER QUALITY INSPECTIONS	\$11,514.48
0180	171-0010	6860.000	LF	\$1.86446	TEMPORARY SILT FENCE, TYPE A	\$10,552.84
0160	700-8910	6.000	AC	\$1,328.96459	PERMANENT GRASSING	\$7,973.79
0165	700-7000	17.000	TN	\$47.37282	AGRICULTURAL LIME	\$805.33
0170	700-8000	4.000	TN	\$523.57258	FERTILIZER MIXED GRADE	\$2,094.29
0175	700-8100	275.000	LB	\$2.82429	FERTILIZER NITROGEN CONTENT	\$776.88
<b>SUBTOTAL FOR EROSION CONTROL:</b>						<b>\$67,404.00</b>

**0040 - SIGNING AND MARKING**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0190	636-1033	130.000	SF	\$20.00222	HWY SIGNS, TP1MAT,REFL SH TP 9	\$2,600.29
0185	636-2080	300.000	LF	\$8.74052	GALV STEEL POSTS, TP 8	\$2,622.16
0195	653-0120	10.000	EA	\$71.43725	THERM PVMT MARK, ARROW, TP 2	\$714.37
0200	653-1501	13000.000	LF	\$0.33591	THERMO SOLID TRAF ST 5 IN, WHI	\$4,368.83
0205	653-1502	3130.000	LF	\$0.43210	THERMO SOLID TRAF ST, 5 IN YEL	\$1,352.47
0210	653-1704	118.000	LF	\$3.60811	THERM SOLID TRAF STRIPE,24",WH	\$425.78
0230	653-1804	850.000	LF	\$1.70459	THERM SOLID TRAF STRIPE, 8",WH	\$1,448.90
0225	653-3501	800.000	GLF	\$0.23983	THERMO SKIP TRAF ST, 5 IN, WHI	\$191.70
0215	653-6004	2860.000	SY	\$2.67544	THERM TRAF STRIPING, WHITE	\$7,651.76
0220	653-6008	480.000	SY	\$2.87558	THERM TRAF STRIPING, YELLOW	\$1,380.28
<b>SUBTOTAL FOR SIGNING AND MARKING:</b>						<b>\$22,764.52</b>

**0050 - SIGNAL**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0235	647-1000	1.000	LS	\$90,000.00000	TRAF SIGNAL INSTALLATION NO - ONE	\$90,000.00
0240	647-6230	4.000	EA	\$5,850.66667	SIGNAL ASS, FLASHING SCHOOL,CO	\$23,402.67
<b>SUBTOTAL FOR SIGNAL:</b>						<b>\$113,402.67</b>

**TOTALS FOR JOB 0010292**

ITEMS COST:	\$1,690,556.63
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,690,556.63
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,690,556.63

**NOTICE OF LOCATION AND DESIGN APPROVAL**  
**DOUGHERTY**  
**CSSFT-000-00(292)**  
**PI# 0010292**

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 the Location Approval is: July 15, 2014

The project location begins on SR 520/US 82 just west of the intersection with North and South County Line Roads at MP 15.56 and ends just east of the Old County Line Road intersection at MP 15.92 for a total project length of 0.36 miles. The project intends to improve SR 520/US 82 by lengthening the left turn lane and provide a traffic signal at the North and South County Line Road intersection with SR 520/US 82. The project is located within land lot 1.

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:

Derick Wilkerson  
dwilkerson@dot.ga.gov  
2060 Newton Road  
Albany, GA 31701  
229-430-4198

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  
Office of Program Delivery  
ashelby@dot.ga.gov  
600 West Peachtree Street  
Atlanta, GA 30308  
404-631-1758

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.