

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE CSSFT-0008-00(884), Monroe County
P.I. No. 0008884
SR 87 @ SR 18
Roundabout
CSB for DDC/SSH/BKH

OFFICE Program Delivery
DATE November 21, 2011

FROM Bobby Hilliard, P.E., State Program Delivery Engineer

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

SUBJECT **Request for Location Design and Approval**

Description and Project Proposal: This project is located in Monroe County. Construction will take place on State Route 87 at the intersection of SR 18 between mile point 4.97 and mile point 5.15.

The intersection of State Route 87 at State Route 18 currently functions as a four-way stop controlled intersection. State Route 87 is a two-lane roadway with rural shoulders and is classified as a Rural Minor Arterial. State Route 18 is a two-lane roadway with rural shoulders and is classified as a Rural Major Collector. The posted speed of both roads is 55 mph. Land use in the area consists of moderate residential use with mostly single family homes off of the state routes. The northeast quadrant has an Exxon gas/convenience store with access from both state routes. The proposed project will consist of constructing a single lane roundabout.

Concept Approval Date: *April 14, 2011*

Concept Update: *N/A*

Environmental Assessment and Reassessment Approval Date: The Categorical Exclusion (CE) for this project was approved *November 17, 2011*

Public Involvement:

Public Hearing Open House Results: *N/A*

Public Information Open House: Informal Public Comment period from *June 20, 2011 thru July 6, 2011*.

- Section 8.3 of the *GDOT Roundabout Policy* states that public outreach is required for all single lane roundabouts where there is are no other well- functioning roundabouts in the locality or along the nearby corridor. However, at the request of FHWA, an informal public comment period was required. The results of the comments are as follows.

Opposed 24

In Support 1

Uncommitted 0

Conditional 0

Consistency with Approved Planning:

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

Recommendations: It is recommended that the location and design for the project be approved and that the attached Notice be approved for advertising.

RECOMMEND: Bill McMurtry
Director of Engineering

APPROVE: Deo M. Pen 12-6-11
Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: December 7, 2011
(To be entered by the State Conceptual Design Group Manager)

Attachments:

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

USST-1-0008-00(884) Merme County
PIN 000884 Roundabout



SR 18@SR 87

DETAILED COST ESTIMATE



Job: 0008884

JOB NUMBER: 0008884

FED/STATE PROJECT NUMBER CSSFT-0008-00(884)

SPEC YEAR: 01

DESCRIPTION: SR 18 @ 87
ROUNDABOUT

ITEMS FOR JOB 0008884

0010 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	500-3101	84.000	CY	\$352.47	CLASS A CONCRETE	\$29,607.48
0010	511-1000	4594.000	LB	\$0.62	BAR REINF STEEL	\$2,848.28
0015	550-1180	300.000	LF	\$28.35	STM DR PIPE 18",H 1-10	\$8,505.00
0020	668-1100	4.000	EA	\$2,120.39	CATCH BASIN, GP 1	\$8,481.56
SUBTOTAL FOR DRAINAGE:						\$49,442.32

0020 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0060	163-0232	4.000	AC	\$283.37	TEMPORARY GRASSING	\$1,133.48
0065	163-0240	20.000	TN	\$129.90	MULCH	\$2,598.00
0070	163-0523	200.000	EA	\$143.27	CONSTR AND REM TEMP DCH CK - TP C SLT FN	\$28,654.00
0075	163-0527	4.000	EA	\$160.76	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$643.04
0080	165-0030	6000.000	LF	\$0.66	MAINT OF TEMP SILT FENCE, TP C	\$3,960.00
0085	165-0040	204.000	EA	\$56.18	MAINT OF EROSION CTRL CHKDAMS/DITCH CHKS	\$11,460.72
0090	167-1000	2.000	EA	\$460.30	WATER QUALITY MONITORING AND SAMPLING	\$920.60
0095	167-1500	8.000	MO	\$685.80	WATER QUALITY INSPECTIONS	\$5,486.40
0100	171-0010	4000.000	LF	\$1.33	TEMPORARY SILT FENCE, TYPE A	\$5,320.00
0105	171-0030	6000.000	LF	\$2.95	TEMPORARY SILT FENCE, TYPE C	\$17,700.00
0025	603-2024	180.000	SY	\$42.57	STN DUMPED RIP RAP, TP 1, 24"	\$7,662.60
0250	603-2181	80.000	SY	\$33.11	STN DUMPED RIP RAP, TP 3, 18"	\$2,648.80
0030	603-7000	260.000	SY	\$3.27	PLASTIC FILTER FABRIC	\$850.20
0035	700-6910	4.000	AC	\$674.07	PERMANENT GRASSING	\$2,696.28
0040	700-7000	8.000	TN	\$60.51	AGRICULTURAL LIME	\$484.08
0045	700-7010	12.000	GL	\$20.53	LIQUID LIME	\$246.36
0050	700-8000	4.000	TN	\$409.57	FERTILIZER MIXED GRADE	\$1,638.28
0110	700-8000	4.000	TN	\$409.57	FERTILIZER MIXED GRADE	\$1,638.28
0245	700-8100	200.000	LB	\$2.30	FERTILIZER NITROGEN CONTENT	\$460.00
0255	700-8100	200.000	LB	\$2.30	FERTILIZER NITROGEN CONTENT	\$460.00
0055	716-2000	1400.000	SY	\$0.95	EROSION CONTROL MATS, SLOPES	\$1,330.00
SUBTOTAL FOR EROSION CONTROL:						\$97,991.12

0030 - SIGNING/MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0115	636-1020	300.000	SF	\$16.67	HWY SGN,TP1MAT,REFL SH TP3	\$5,001.00
0120	653-0296	4.000	EA	\$198.44	THERMO PVMT MARKING,WORD,TP 15	\$793.76
0125	653-1501	4000.000	LF	\$0.44	THERMO SOLID TRAF ST 5 IN, WHI	\$1,760.00
0130	653-1502	4000.000	LF	\$0.45	THERMO SOLID TRAF ST, 5 IN YEL	\$1,800.00
0135	653-1804	1000.000	LF	\$1.68	THERM SOLID TRAF STRIPE, 8",WH	\$1,680.00
0140	653-3501	200.000	GLF	\$0.33	THERMO SKIP TRAF ST, 5 IN, WHI	\$66.00
0145	653-6004	500.000	SY	\$2.71	THERM TRAF STRIPING, WHITE	\$1,355.00
0150	653-6006	40.000	SY	\$2.63	THERM TRAF STRIPING, YELLOW	\$105.20
0155	654-1001	50.000	EA	\$3.04	RAISED PVMT MARKERS TP 1	\$152.00
0160	654-1002	6.000	EA	\$2.85	RAISED PVMT MARKERS TP 2	\$17.10
SUBTOTAL FOR SIGNING/MARKING:						\$12,730.06

DETAILED COST ESTIMATE



Job: 0008884

0040 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0165	150-1000	1.000	LS	\$100,000.00	TRAFFIC CONTROL - CSSTP-0008-00(884)	\$100,000.00
0170	210-0100	1.000	LS	\$75,000.00	GRADING COMPLETE - CSSTP-0008-00(884)	\$75,000.00
0275	310-1101	6798.000	TN	\$18.13	GR AGGR BASE CRS, INCL MATL	\$123,247.13
0280	402-3121	3101.000	TN	\$62.20	RECYL AC 25MM SP,GP1/2,BM&HL	\$192,879.63
0270	402-3130	1550.000	TN	\$70.70	RECYL AC 12.5MM SP,GP2,BM&HL	\$109,585.85
0190	402-3190	1550.000	TN	\$67.24	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$104,228.90
0195	413-1000	256.000	GL	\$2.00	BITUM TACK COAT	\$512.00
0200	439-0056	349.000	SY	\$295.00	PLN PC CONC PVMT CL HES 12"THK	\$102,955.00
0205	441-0748	960.000	SY	\$29.58	CONC MEDIAN, 6 IN	\$28,396.80
0210	441-6022	3600.000	LF	\$11.90	CONC CURB & GUTTER, 6"X30"TP2	\$42,840.00
0215	441-6740	282.000	LF	\$13.12	CONC CURB & GUTTER/ 8"X30" TP7	\$3,699.84
0220	446-1100	258.000	LF	\$4.57	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	\$1,179.06
0225	632-0003	4.000	EA	\$3,000.00	CHANGEABLE MESS SIGN,PORT,TP 3	\$12,000.00
0230	634-1200	12.000	EA	\$93.93	RIGHT OF WAY MARKERS	\$1,127.16
SUBTOTAL FOR ROADWAY:						\$897,651.37

0050 - LIGHTING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0260	681-4220	14.000	EA	\$1,717.28	LT STD, 40' MH, POST TOP	\$24,041.97
0265	681-6464	14.000	EA	\$880.32	LUMINAIRE,TP 4, 400W,M HALIDE	\$12,324.51
SUBTOTAL FOR LIGHTING:						\$36,366.48

0060 - LANDSCAPING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0240	009-2000	1.000	LS	\$5,000.00	LANDSCAPING WITH IRRIGATION	\$5,000.00
SUBTOTAL FOR LANDSCAPING:						\$5,000.00

TOTALS FOR JOB 0008884

ITEMS COST:	\$1,099,181.35
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,099,181.35
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,154,140.42

NOTICE OF LOCATION AND DESIGN APPROVAL

*CSSFT-0008-00(884), Monroe County
P. I. NUMBER 0008884*

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 approval is December 7, 2011.

The proposed project will improve the intersection of State Route 87 Connector and State Route 18. This project is located within land lots 216 and 226 in Monroe County.

The project will take place between mile point 18.53 and mile point 18.71. The intersection of State Route 87 at State Route 18 currently functions as a four-way stop controlled intersection. State Route 87 is a two-lane roadway with rural shoulders and is classified as a Rural Minor Arterial. State Route 18 is a two-lane roadway with rural shoulders and is classified as a Rural Major Collector. The proposed project will consist of constructing a single lane roundabout.

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:

*Sheldon Minor
District 3, Macon Area Engineer
E-Mail: sminor@dot.ga.gov
4499 Riverside Drive
Macon, Ga 31210
Phone: (478) 757-2601*

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:

*Bobby Hilliard, P.E.
State Program Delivery Engineer
Office of Program Delivery
Email: bhilliard@dot.ga.gov
600 West Peachtree St NW, 25th floor
Atlanta, Georgia 30308
(404) 631-1122*

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.