

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #621595-
STP00-0065-03(056)
Pickens County
GDOT District 6 - Cartersville
Passing Lane - SR53 from CR50/Four Mile Church
Rd to W of CR46/Wilkie Rd

OFFICE Design Policy & Support

DATE 05/03/2016

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:

Hiral Patel, 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
Eric Duff, 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: David Ray, District Design Engineer
Ed David Adams, State Safety Program Manager
Richard Cobb, Location Bureau Chief
C. DeWayne Comer, District Engineer
David Acree, District Preconstruction Engineer
Cherie Marsh, District Planning & Programming Engineer
Sam Wheeler, Area Engineer - D6, A1
Micheal Word, Project Manager
BOARD MEMBER - 9th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE P.I. No. 621595-
STP00-0065-03(056)
Pickens County

OFFICE Program Delivery

DATE 4/21/2016

SR 53 FROM CR 50/FOUR MILE CHURCH RD
TO E OF CR 46/WILKIE RD

FROM Albert V. Shelby III, State Program Delivery Engineer

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

SUBJECT Request for Location and Design Approval

Description and Project Proposal:

Project P.I. 621595- in Pickens County proposes to add one eastbound passing lane that would begin at the intersection of CR50/Four Mile Church Road and end approximately 625 feet west of CR46/Wilkie Road. A revised concept for these changes is pending.

Concept Approval Date: June 12, 2001

Revised: February 7, 2006, September 25, 2006, & November 18, 2014. Additional Revision for termini change pending.

Concept Update: Revised Concept Report approval currently pending. A Revised Concept is being prepared to change the project termini. The pending revision would change the beginning of the project to east of CR50/Four Mile Church Road and the end of the project to east of CR46/Wilkie Road. The proposed change would remove CR50/Four Mile Church Road from the project limits, and add the CR46/Wilkie Road intersection to the project. The addition of CR46/Wilkie Road to the project is proposed as a result of public comments.

Environmental Document: GEPA Type B (Previously NEPA CE, approved July 2003)

Public Involvement: PIOH June 18, 2015, Time: 4:00pm-7:00pm,
Foothills Community Church, Marble Hill, Georgia 30148

A total of 31 people attended the open house. Of the 3 respondents who formally commented, 0 was in support of the project, 2 were opposed, 0 was uncommitted, and 1 expressed conditional support.

Major Concerns:

-Several individuals supplied the verbal comment that the proposed project should extend to Wilkie Road. There is already a sight distance issue at the intersection of Wilkie Road and SR 53. The general public feels it will make the safety issue worse if you do not extend the limits.

-There is a concern about the number of people who would have ROW acquired and the number of people be displaced (7) considering the length of the project (1.2 miles).

Public Officials:

N/A

Media:

Dan Pool-Editor of Pickens County Progress

Consistency with Approved Planning: Yes

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

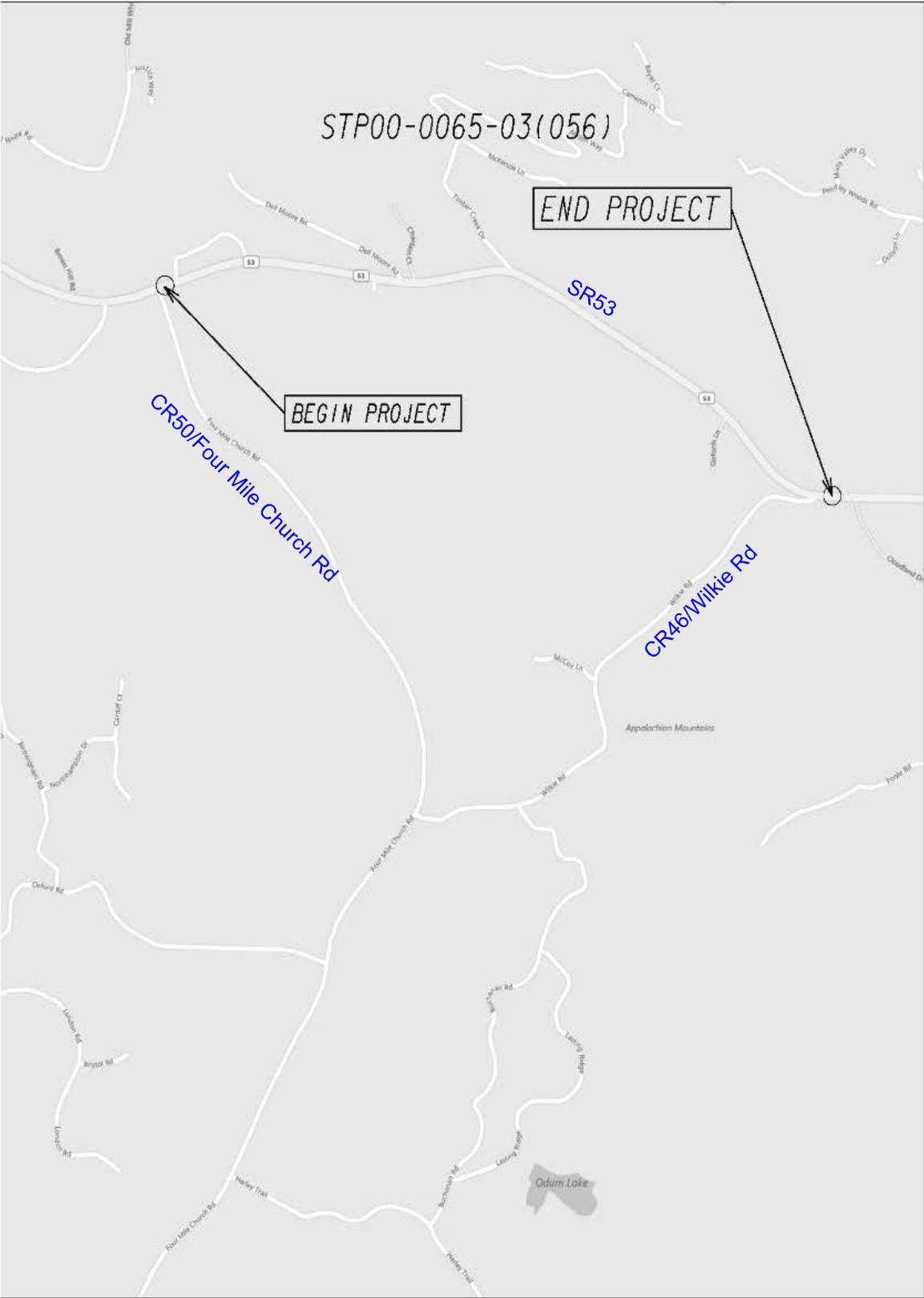
Concur: *Hiril Patel*
GDOT Director of Engineering

Approve: *Margaret B. Purkle* *4.28.16*
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: *May 3, 2016*
(To be entered by State Conceptual Design Group Manager)

Attachments:

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



DETAILED COST ESTIMATE



Job: 621595PSLN

JOB NUMBER: 621595PSLN

FED/STATE PROJECT NUMBER STP00-0065-03(056)

SPEC YEAR: 01

DESCRIPTION: SR 53 PASSING LANE
PICKENS CO. MP 26.27 TO 27.47

ITEMS FOR JOB 621595PSLN

1 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0009	150-1000	1.000	LS	\$50,000.00000	TRAFFIC CONTROL - STP00-0065-03(056)	\$50,000.00
0010	150-5010	10.000	EA	\$8,075.08741	TRAF CTRL,PORTABLE IMPACT ATTN	\$80,750.87
0015	153-1300	1.000	EA	\$67,072.98295	FIELD ENGINEERS OFFICE TP 3	\$67,072.98
0020	210-0100	1.000	LS	\$75,000.00000	GRADING COMPLETE - STP00-0065-03(056)	\$75,000.00
0025	310-1101	20770.000	TN	\$16.01301	GR AGGR BASE CRS, INCL MATL	\$332,590.20
0030	318-3000	50.000	TN	\$21.15375	AGGR SURF CRS	\$1,057.69
0035	402-1812	2505.000	TN	\$69.02399	RECYL AC LEVELING,INC BM&HL	\$172,905.00
0040	402-3121	7895.000	TN	\$58.92610	RECYL AC 25MM SP,GP1/2,BM&HL	\$465,221.50
0045	402-3130	3880.000	TN	\$68.78022	RECYL AC 12.5MM SP,GP2,BM&HL	\$266,867.20
0050	402-3190	3970.000	TN	\$62.56893	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$248,398.60
0055	413-1000	3190.000	GL	\$2.02105	BITUM TACK COAT	\$6,447.15
0520	432-0205	12000.000	SY	\$2.40315	MILL ASPH CONC PVMT/ 1.25" DEP	\$28,837.80
0604	441-0016	770.000	SY	\$33.23029	DRIVEWAY CONCRETE, 6 IN TK	\$25,587.30
0614	441-5002	20.000	LF	\$18.84604	CONC HEADER CURB, 6", TP 2	\$376.92
0095	444-1000	20.000	LF	\$5.55940	SAWED JTS IN EXIST PVMTS - PCC	\$111.19
0100	446-1100	9200.000	LF	\$2.59487	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	\$23,872.80
0119	500-3201	11.000	CY	\$485.88000	CL B CONC, RET WALL	\$5,344.68
0120	500-9999	5.000	CY	\$184.94142	CL B CONC,BASE OR PVMT WIDEN	\$924.71
0225	573-2006	8000.000	LF	\$11.21862	UNDDR PIPE INCL DRAIN AGGR 6"	\$89,748.96
0125	600-0001	24.000	CY	\$238.30125	FLOWABLE FILL	\$5,719.23
0129	615-1000	158.000	LF	\$73.41282	JACK OR BORE PIPE - 36" DIA, 0.625" THK	\$11,599.29
0130	615-1000	150.000	LF	\$74.11206	JACK OR BORE PIPE - 30" DIA, 0.625" THK	\$11,116.81
0624	620-0200	100.000	LF	\$63.14384	TEMP BARRIER, METHOD NO. 2	\$6,314.38
0275	621-4023	100.000	LF	\$628.14164	CONCRETE SIDE BARRIER, TY 2C	\$62,814.16
0320	634-1200	50.000	EA	\$108.17234	RIGHT OF WAY MARKERS	\$5,408.67
0143	641-1100	26.000	LF	\$74.23200	GUARDRAIL, TP T	\$1,930.03
0140	641-1200	2573.000	LF	\$15.35869	GUARDRAIL, TP W	\$39,517.90
0145	641-5001	9.000	EA	\$624.79643	GUARDRAIL ANCHORAGE, TP 1	\$5,623.07
0144	641-5012	9.000	EA	\$1,762.19030	GUARDRAIL ANCHORAGE, TP 12	\$15,859.71
0559	643-8200	180.000	LF	\$1.49304	BARRIER FENCE (ORANGE), 4 FT	\$268.75
SUBTOTAL FOR ROADWAY:						\$2,107,287.80

DETAILED COST ESTIMATE



Job: 621595PSLN

2 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0525	500-3200	5.000	CY	\$575.85778	CL B CONC	\$2,879.0
0115	500-3800	7.000	CY	\$899.78687	CL A CONC, INCL REINF STEEL	\$6,298.0
0530	511-1000	65.000	LB	\$0.95512	BAR REINF STEEL	\$62.0
0155	550-1180	396.000	LF	\$31.61530	STM DR PIPE 18",H 1-10	\$12,519.0
0160	550-1240	296.000	LF	\$38.28594	STM DR PIPE 24",H 1-10	\$11,332.0
0190	550-2180	444.000	LF	\$26.88247	SIDE DR PIPE 18",H 1-10	\$11,935.0
0200	550-3418	19.000	EA	\$494.17352	SAFETY END SECTION 18",SD,4:1	\$9,389.0
0199	550-3618	19.000	EA	\$578.28765	SAFETY END SECTION 18",SD,6:1	\$10,987.0
0205	550-4218	9.000	EA	\$492.34863	FLARED END SECT 18 IN, ST DR	\$4,431.0
0210	550-4224	3.000	EA	\$549.53274	FLARED END SECT 24 IN, ST DR	\$1,648.0
0535	603-6006	3.000	SY	\$132.01856	SAND-CEMENT BAG RIP RAP, 6 IN	\$396.0
SUBTOTAL FOR DRAINAGE:						\$71,880.0

4 - SIGNING & MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0619	636-1036	42.000	SF	\$1.00000	HWY SIGNS, TP1 MATL,REFL SH, TP 11	\$42.0
0319	636-2070	78.000	LF	\$8.92223	GALV STEEL POSTS, TP 7	\$695.0
0330	653-1704	24.000	LF	\$4.29044	THERM SOLID TRAF STRIPE,24",WH	\$102.0
0335	653-1804	240.000	LF	\$1.77868	THERM SOLID TRAF STRIPE, 8",WH	\$426.0
0340	653-2501	3.000	LM	\$1,281.94223	THERMO SOLID TRAF ST, 5 IN, WH	\$3,845.0
0345	653-2502	3.000	LM	\$1,281.20341	THERMO SOLID TRAF ST, 5 IN YE	\$3,843.0
0350	653-4501	1.000	GLM	\$785.52219	THERMO SKIP TRAF ST, 5 IN, WHI	\$785.0
0360	653-6006	300.000	SY	\$2.98184	THERM TRAF STRIPING, YELLOW	\$894.0
0365	654-1001	160.000	EA	\$3.91122	RAISED PVMT MARKERS TP 1	\$625.0
0609	654-1003	160.000	EA	\$3.85971	RAISED PVMT MARKERS TP 3	\$617.0
SUBTOTAL FOR SIGNING & MARKING:						\$11,880.0

DETAILED COST ESTIMATE



Job: 621595PSLN

5 - TEMPORARY EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0375	163-0232	7.000	AC	\$202.22452	TEMPORARY GRASSING	\$1,415.5
0380	163-0240	215.000	TN	\$267.72767	MULCH	\$57,561.4
0385	163-0300	4.000	EA	\$1,376.56980	CONSTRUCTION EXIT	\$5,506.2
0540	163-0503	15.000	EA	\$348.82467	CONSTR AND REMOVE SILT CONTROL GATE, TP 3	\$5,232.5
0390	163-0520	3100.000	LF	\$10.88180	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$33,733.5
0395	163-0527	300.000	EA	\$173.70921	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$52,112.7
0389	163-0529	1660.000	LF	\$3.01223	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$5,000.5
0579	163-0541	4.000	EA	\$363.54229	CONSTR & REM ROCK FILTER DAMS	\$1,454.7
0569	163-0542	4.000	EA	\$771.00917	CONSTR & REM STONE FILTER RING	\$3,084.0
0544	163-0550	4.000	EA	\$129.04886	CONS & REM INLET SEDIMENT TRAP	\$516.2
0420	165-0030	2000.000	LF	\$0.83941	MAINT OF TEMP SILT FENCE, TP C	\$1,678.8
0394	165-0041	3000.000	LF	\$0.89231	MAINT OF CHECK DAMS - ALL TYPES	\$2,676.9
0435	165-0071	830.000	LF	\$0.98265	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$815.6
0554	165-0087	15.000	EA	\$113.94596	MAINT OF SILT CONTROL GATE, TP 3	\$1,709.7
0440	165-0101	8.000	EA	\$488.53341	MAINT OF CONST EXIT	\$3,908.2
0549	165-0105	4.000	EA	\$51.63617	MAINT OF INLET SEDIMENT TRAP	\$206.5
0584	165-0110	4.000	EA	\$152.17224	MAINT OF ROCK FILTER DAM	\$608.6
0574	165-0111	4.000	EA	\$123.37368	MAINT OF STONE FILTER RING	\$493.4
0450	167-1000	2.000	EA	\$460.67246	WATER QUALITY MONITORING AND SAMPLING	\$921.3
0455	167-1500	18.000	MO	\$304.13659	WATER QUALITY INSPECTIONS	\$5,474.4
0460	171-0030	4000.000	LF	\$2.42628	TEMPORARY SILT FENCE, TYPE C	\$9,705.7
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$193,815.7

6 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0465	603-2180	620.000	SY	\$30.40987	STN DUMPED RIP RAP, TP 3, 12"	\$18,854.7
0470	603-7000	620.000	SY	\$3.71402	PLASTIC FILTER FABRIC	\$2,302.6
0475	700-6910	13.000	AC	\$565.48004	PERMANENT GRASSING	\$7,351.2
0480	700-7000	32.000	TN	\$71.53061	AGRICULTURAL LIME	\$2,288.9
0485	700-8000	11.000	TN	\$408.09612	FERTILIZER MIXED GRADE	\$4,489.0
0490	700-8100	530.000	LB	\$1.71722	FERTILIZER NITROGEN CONTENT	\$910.7
0504	700-9300	10.000	SY	\$5.23855	SOD	\$52.3
0589	710-9000	810.000	SY	\$4.00802	PERM SOIL REINFORCING MAT	\$3,246.5
0594	713-0300	850.000	SY	\$2.05719	COCONUT FIBER BLANKET, WTRWAYS	\$1,748.6
0510	716-2000	22000.000	SY	\$0.85373	EROSION CONTROL MATS, SLOPES	\$18,782.0
SUBTOTAL FOR EROSION CONTROL:						\$60,025.7

TOTALS FOR JOB 621595PSLN

ITEMS COST:	\$2,444,890.00
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$2,444,890.00
CONTINGENCY PERCENT:	0.05
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$2,689,379.00

STP00-0065-03(056)	CALL NO.
621595	
4/5/2016	

PROJ. NO.
P.I. NO.
DATE

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA) **10752.92824** \$ **10,752.93**
 Monthly Asphalt Cement Price month placed (APM) \$ 537.60
 Monthly Asphalt Cement Price month project let (APL) \$ 336.00
 Total Monthly Tonnage of asphalt cement (TMT) 53.33793768

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.	10990	0.20	2198	232.8234	9.440631827
Double Surf. Trmt.	23228	0.44	10220.32	232.8234	43.89730585
Triple Surf. Trmt		0.71	0	232.8234	0
					53.33793768

TOTAL LIQUID AC ADJUSTMENT \$ **197,475.12**

**NOTICE OF LOCATION AND DESIGN APPROVAL
PICKENS COUNTY
P. I. NUMBER 621595-**

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: May 3, 2016

Project P.I. 621595- in Pickens County proposes to add one eastbound passing lane that would begin east of the intersection of CR50/Four Mile Church Road and end approximately 625 feet east of CR46/Wilkie Road.

The project is located in:

GMD 899
Land Lots 126, 127, 128, 138, 139, 140 & 141
Land District 4

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:

Sam Wheeler, Area Engineer
Georgia Department of Transportation
District 6, Area 1 Office
swheeler@dot.ga.gov
874 Peebles Valley Road, N.W.
Cartersville, Georgia 30120
(770) 387-3680

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
Office of Program Delivery
Attn: Micheal T. Word
micword@dot.ga.gov
One Georgia Center
600 West Peachtree Street, NW
Atlanta, Georgia 30308
(404) 631-1866

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.