

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-164-1(29) in Fayette and Clayton Counties **OFFICE:** OPD
PI No. 721440
**SR 54 Widening and Reconstruction from
McDonough Road to US 19/41/SR 3/Tara Bld**

DATE: February 23, 2010

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

TO Brent Story, P.E., State Design Policy Engineer

SUBJECT Request for Location and Design Approval

Description and Project Proposal:

The project consists of the widening of S.R. 54 (Fayetteville Road) from just north of McDonough Road in Fayette County to US 19 / US 41 / SR 3 / Tara Boulevard in Clayton County. The existing two-lane road will be widened to a 4-lane roadway with a 24-foot raised median and 4-foot bike lanes. Curb and gutter will be provided on both sides of the roadway with a 5-foot sidewalk on each side of the roadway. Curb cuts will be provided at all existing driveways. The 3 existing bridges over Morning Creek, Camp Creek, and the Flint River will be widened. The proposed roadway construction will follow the alignment of the existing roadway for the majority of the project. To correct substandard horizontal curves, approximately 0.43 miles of roadway will be relocated approximately 300 feet to the south approaching US 19 / US 41 / SR 3 / Tara Boulevard. The roadway will remain open to traffic during construction.

Concept Approval Date:

February 18, 1992 and revised May 2, 2007

Environmental Assessment and Reassessment Approval Date:

Environmental Assessment Document and FONSI were approved July 21, 2009.
Certification for the PFPR was completed on August 28, 2009

Public Involvement:

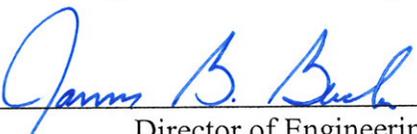
- Public Hearing Open House Results:
 - Public Hearing held July 31, 1997 at James H. Brown Elementary School
9771 Poston Road Jonesboro, GA Drive Forest Park, GA from 4:00 – 7:00 pm.

- A total of 29 comments were received. A total of 0 comments was received during the ten day comment period following the hearing.
 - 2 comments opposed the project, 23 comments supported the project, 7 comments were uncommitted, and 4 were conditionally supportive of the project.
 - Approximately 58 people attended.
 - 0 officials were in attendance.
 - The majority of concerns over the project pertain to the crossover locations, the urgency of prompt project construction, and the potential for the road widening to prompt future development.
- Public Information Open House Results:
 - was held July 30, 2009 at Mundy's Mill High School, 9652 Fayetteville Road, Jonesboro, GA 30238 from 5:00 – 7:00 pm.
 - A total of 44 comments were received. A total of 2 comments were received during the ten day comment period following the hearing.
 - 10 comments opposed the project, 11 comments supported the project, 5 comments were uncommitted, and 12 were conditionally supportive of the project.
 - Approximately 154 people attended.
 - 2 officials were in attendance: David Rutledge of Clayton Co. DOT and Phil Mallon of Fayette Co. Public Works.

Consistency with Approved Planning:

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

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

RECOMMEND: 
 Director of Engineering

APPROVE: 
 Chief Engineer

3/10/2010
 Date of Approval

Attachments:

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

Estimate Report for file "721440_2009-02-05"

Section Roadway Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	1600000.00	TRAFFIC CONTROL - PROJECT # STP-164-1 (29)	1600000.00
153-1300	1	EA	70578.50	FIELD ENGINEERS OFFICE TP 3	70578.50
201-1500	1	LS	530000.00	CLEARING & GRUBBING - PROJECT # STP-166-1(29)	530000.00
205-0001	106000	CY	2.91	UNCLASS EXCAV	308460.00
206-0002	240000	CY	5.43	BORROW EXCAV, INCL MATL	1303200.00
207-0203	55	CY	53.25	FOUND BKFILL MATL, TP II	2928.75
310-1101	154500	TN	18.06	GR AGGR BASE CRS, INCL MATL	2790270.00
318-3000	2100	TN	21.01	AGGR SURF CRS	44121.00
402-1812	16700	TN	69.41	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	1159147.00
402-3121	80100	TN	59.90	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	4797990.00
402-3130	27100	TN	64.18	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	1739278.00
402-3190	36000	TN	67.17	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	2418120.00
413-1000	39200	GL	2.13	BITUM TACK COAT	83496.00
432-0206	208400	SY	1.70	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	354280.00
433-1100	2200	SY	149.63	REINF CONC APPROACH SLAB, INCL CURB	329186.00
441-0016	720	SY	41.13	DRIVEWAY CONCRETE, 6 IN TK	29613.60
441-0018	440	SY	45.60	DRIVEWAY CONCRETE, 8 IN TK	20064.00
441-0104	36600	SY	32.82	CONC SIDEWALK, 4 IN	1201212.00
441-0740	6600	SY	36.12	CONCRETE MEDIAN, 4 IN	238392.00
441-0748	1400	SY	56.65	CONCRETE MEDIAN, 6 IN	79310.00
441-4020	1700	SY	42.93	CONC VALLEY GUTTER, 6 IN	72981.00
441-4030	3200	SY	46.42	CONC VALLEY GUTTER, 8 IN	148544.00
441-6222	66000	LF	15.89	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	1048740.00
441-6740	66000	LF	13.68	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	902880.00
446-1100	66000	LF	5.14	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	339240.00
500-3101	1	CY	248.21	CLASS A CONCRETE	248.21
500-3201	88	CY	628.33	CLASS B CONCRETE, RETAINING WALL	55293.04
500-3800	10	CY	630.66	CLASS A CONCRETE, INCL REINF STEEL	6306.60
500-9999	1100	CY	191.53	CLASS B CONC, BASE OR PVMT WIDENING	210683.00
550-1180	22800	LF	39.05	STORM DRAIN PIPE, 18 IN, H 1-10	890340.00
550-1240	5500	LF	46.58	STORM DRAIN PIPE, 24 IN, H 1-10	256190.00
550-1300	900	LF	59.46	STORM DRAIN PIPE, 30 IN, H 1-10	53514.00
550-1360	1900	LF	68.77	STORM DRAIN PIPE, 36 IN, H 1-10	130663.00
550-1420	300	LF	86.72	STORM DRAIN PIPE, 42 IN, H 1-10	26016.00
550-1480	200	LF	106.56	STORM DRAIN PIPE, 48 IN, H 1-10	21312.00
550-1540	20	LF	113.00	STORM DRAIN PIPE, 54 IN, H 1-10	2260.00
550-2180	120	LF	32.35	SIDE DRAIN PIPE, 18 IN, H 1-10	3882.00
550-2240	100	LF	35.29	SIDE DRAIN PIPE, 24 IN, H 1-10	3529.00
550-2300	100	LF	40.73	SIDE DRAIN PIPE, 30 IN, H 1-10	4073.00
550-3618	17	EA	544.70	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	9259.90
550-3624	4	EA	813.88	SAFETY END SECTION 24 IN, SIDE DRAIN, 6:1 SLOPE	3255.52
550-3630	4	EA	1513.94	SAFETY END SECTION 30 IN, SIDE DRAIN, 6:1 SLOPE	6055.76
550-4218	30	EA	616.11	FLARED END SECTION 18 IN, STORM DRAIN	18483.30
550-4224	14	EA	744.82	FLARED END SECTION 24 IN, STORM DRAIN	10427.48
550-4230	6	EA	843.65	FLARED END SECTION 30 IN, STORM DRAIN	5061.90
550-4236	3	EA	1094.13	FLARED END SECTION 36 IN, STORM DRAIN	3282.39
573-2006	1000	LF	15.97	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	15970.00
603-2024	70	SY	47.81	STN DUMPED RIP RAP, TP 1, 24 IN	3346.70
603-2182	310	SY	53.72	STN DUMPED RIP RAP, TP 3, 24 IN	16653.20
603-7000	380	SY	4.43	PLASTIC FILTER FABRIC	1683.40
611-4001	5	EA	2662.33	RECONSTR MINOR DRAINAGE STR	13311.65
611-8055	5	EA	3195.00	ADJUST MINOR STRUCTURE TO GRADE	15975.00
634-1200	390	EA	99.08	RIGHT OF WAY MARKERS	38641.20
641-1100	500	LF	51.56	GUARDRAIL, TP T	25780.00
641-1200	3900	LF	17.60	GUARDRAIL, TP W	68640.00

641-5001	5	EA	665.08	GUARDRAIL ANCHORAGE, TP 1	3325.40
641-5006	12	EA	517.08	GUARDRAIL ANCHORAGE, TP 6	6204.96
641-5012	5	EA	1862.72	GUARDRAIL ANCHORAGE, TP 12	9313.60
668-1100	266	EA	2541.90	CATCH BASIN, GP 1	676145.40
668-1110	58	LF	202.02	CATCH BASIN, GP 1, ADDL DEPTH	11717.16
668-1200	2	EA	3078.58	CATCH BASIN, GP 2	6157.16
668-1210	4	LF	217.39	CATCH BASIN, GP 2, ADDL DEPTH	869.56
668-2100	28	EA	2425.77	DROP INLET, GP 1	67921.56
668-2110	2	LF	253.80	DROP INLET, GP 1, ADDL DEPTH	507.60
668-2200	5	EA	3135.95	DROP INLET, GP 2	15679.75
668-2210	5	LF	298.46	DROP INLET, GP 2, ADDL DEPTH	1492.30
668-4300	10	EA	2250.04	STORM SEWER MANHOLE, TP 1	22500.40
668-4311	15	LF	238.03	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	3570.45
668-4312	8	LF	256.09	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 2	2048.72
668-5000	2	EA	1901.62	JUNCTION BOX	3803.24
Section Sub Total:					\$24,363,426.36

Section Bridge Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
XXX-XXXX	13440	SF	130.00	BRIDGE WIDENING-2 (CAMP CREEK)	1747200.00
XXX-XXXX	17040	SF	130.00	BRIDGE WIDENING-3 (FLINT RIVER)	2215200.00
XXX-XXXX	13440	SF	130.00	BRIDGE WIDENING-1 (MORNING CREEK)	1747200.00
Section Sub Total:					\$5,709,600.00

Section Signing and Marking and Signal Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
615-1200	550	LF	11.40	DIRECTIONAL BORE - 7 INCH	6270.00
615-1200	1775	LF	11.40	DIRECTIONAL BORE - 5 INCH	20235.00
636-1020	1393	SF	16.74	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	23318.82
636-1033	1127	SF	20.20	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	22765.40
636-1041	270	SF	46.28	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	12495.60
636-2070	5551	LF	9.14	GALV STEEL POSTS, TP 7	50736.14
636-2090	1632	LF	9.43	GALV STEEL POSTS, TP 9	15389.76
639-2002	1060	LF	3.58	STEEL WIRE STRAND CABLE, 3/8 IN	3794.80
639-3004	4	EA	12505.85	STEEL STRAIN POLE, TP IV	50023.40
639-3004	13	EA	16200.00	STEEL STRAIN POLE, TP IV, WITH 65 FT MAST ARM	210600.00
639-3004	9	EA	14200.00	STEEL STRAIN POLE, TP IV, WITH 45 FT MAST ARM	127800.00
639-3004	1	EA	15200.00	STEEL STRAIN POLE, TP IV, WITH 55 FT MAST ARM	15200.00
639-3004	1	EA	15700.00	STEEL STRAIN POLE, TP IV, WITH 60 FT MAST ARM	15700.00
639-4003	6	EA	5909.00	STRAIN POLE, TP III	35454.00
647-1000	1	LS	55515.34	TRAFFIC SIGNAL INSTALLATION NO - 1	55515.34
647-1000	1	Lump Sum	31903.00	TRAFFIC SIGNAL INSTALLATION NO-2	31903.00
647-1000	1	Lump Sum	32205.00	TRAFFIC SIGNAL INSTALLATION NO-6	32205.00
647-1000	1	Lump Sum	34312.00	TRAFFIC SIGNAL INSTALLATION NO-3	34312.00
647-1000	1	Lump Sum	35759.00	TRAFFIC SIGNAL INSTALLATION NO-5	35759.00
647-1000	1	Lump Sum	32205.00	TRAFFIC SIGNAL INSTALLATION NO-4	32205.00
647-1000	1	Lump Sum	32205.00	TRAFFIC SIGNAL INSTALLATION NO-7	32205.00
647-1000	1	Lump Sum	39484.00	TRAFFIC SIGNAL INSTALLATION NO-8	39484.00
647-2170	8	EA	1727.38	PULL BOX, PB-7	13819.04
647-5230	1	EA	5998.97	SIGNAL ASSEMBLY, FLASHING SCHOOL, COMPLETE	5998.97

652-0091	50	EA	52.50	PAVEMENT MARKING, SYMBOL, TP 1	2625.00
652-0094	50	EA	40.03	PAVEMENT MARKING, SYMBOL, TP 4	2001.50
652-5301	21000	LF	0.15	SOLID TRAF STRIPE, 6 IN, WHITE	3150.00
652-5451	21000	LF	0.24	SOLID TRAFFIC STRIPE, 5 IN, WHITE	5040.00
652-6301	6930	GLF	0.11	SKIP TRAF STRIPE, 6 IN, WHITE	762.30
652-6501	6930	GLF	0.10	SKIP TRAFFIC STRIPE, 5 IN, WHITE	693.00
653-0120	270	EA	73.08	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	19731.60
653-0130	8	EA	87.22	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	697.76
653-0170	45	EA	87.22	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	3924.90
653-0210	12	EA	101.66	THERMOPLASTIC PVMT MARKING, WORD, TP 1	1219.92
653-1501	69200	LF	0.47	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	32524.00
653-1502	71800	LF	0.48	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	34464.00
653-1704	2600	LF	3.48	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	9048.00
653-1804	18100	LF	1.70	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	30770.00
653-3501	67940	GLF	0.33	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	22420.20
653-6004	11550	SY	2.77	THERMOPLASTIC TRAF STRIPING, WHITE	31993.50
653-6006	800	SY	2.69	THERMOPLASTIC TRAF STRIPING, YELLOW	2152.00
682-6233	5250	LF	2.96	CONDUIT, NONMETL, TP 3, 2 IN	15540.00
938-1100	28	EA	5875.76	INTERSECTION VIDEO DETECTION SYSTEM ASSEMBLY, TYPE A	164521.28
938-1200	1	EA	472.41	PROGRAMMING MONITOR, TYPE A	472.41
938-1210	16	EA	471.78	OUTPUT EXPANSION MODULE, TYPE A	7548.48
Section Sub Total:					\$1,314,489.12

Section Erosion Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	31	AC	385.22	TEMPORARY GRASSING	11941.82
163-0240	1277	TN	172.38	MULCH	220129.26
163-0300	20	EA	1234.88	CONSTRUCTION EXIT	24697.60
163-0503	18	EA	451.42	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	8125.56
163-0520	500	LF	14.72	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	7360.00
163-0522	210	EA	94.19	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS - TYPE A SILT FENCE	19779.90
163-0530	2200	LF	2.69	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	5918.00
163-0531	10	EA	10913.09	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO -	109130.90
163-0550	333	EA	206.02	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	68604.66
165-0010	17500	LF	0.70	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	12250.00
165-0030	8500	LF	0.78	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	6630.00
165-0040	210	EA	57.20	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	12012.00
165-0050	250	LF	1.32	MAINTENANCE OF SILT RETENTION BARRIER	330.00
165-0060	10	EA	1929.89	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO -	19298.90
165-0070	1100	LF	2.22	MAINTENANCE OF BALED STRAW EROSION CHECK	2442.00
165-0087	18	EA	110.72	MAINTENANCE OF SILT CONTROL GATE, TP 3	1992.96
165-0101	20	EA	511.06	MAINTENANCE OF CONSTRUCTION EXIT	10221.20
165-0105	333	EA	83.16	MAINTENANCE OF INLET SEDIMENT TRAP	27692.28
167-1000	2	EA	597.96	WATER QUALITY MONITORING AND SAMPLING	1195.92
167-1500	24	MO	655.95	WATER QUALITY INSPECTIONS	15742.80
170-1000	250	LF	13.42	FLOATING SILT RETENTION BARRIER	3355.00
171-0010	35000	LF	2.45	TEMPORARY SILT FENCE, TYPE A	85750.00
171-0030	17000	LF	3.46	TEMPORARY SILT FENCE, TYPE C	58820.00

700-6910	62	AC	825.66	PERMANENT GRASSING	51190.92
700-7000	124	TN	63.09	AGRICULTURAL LIME	7823.16
700-7010	155	GL	21.49	LIQUID LIME	3330.95
700-8000	62	TN	384.56	FERTILIZER MIXED GRADE	23842.72
700-8100	3098	LB	2.30	FERTILIZER NITROGEN CONTENT	7125.40
716-2000	45000	SY	0.96	EROSION CONTROL MATS, SLOPES	43200.00
Section Sub Total:					\$869,933.91

Total Estimated Cost: \$32,257,449.39

NOTICE OF LOCATION AND DESIGN APPROVAL

STP00-0164-01(029) Fayette and Clayton Counties
P.I. 721440

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

The date of location approval is March 10, 2010

The project consists of the widening of SR 54 (Fayetteville Road) from just north of McDonough Road in Fayette County to US 19 / US 41 / SR 3 / Tara Boulevard in Clayton County. The land districts for this project is 3 & 13. The land lots are: 138,151,170,171,181,182,183,203,204,205,211,212,238, and 242.

The existing two-lane road will be widened to a four-lane roadway with a twenty four-foot raised median and four-foot bike lanes. Curb and gutter will be provided on both sides of the roadway with a five-foot sidewalk on each side of the roadway. Curb cuts will be provided at all existing driveways. The three existing bridges over Morning Creek, Camp Creek, and the Flint River will be widened. The proposed roadway construction will follow the alignment of the existing roadway for the majority of the project. To correct substandard horizontal curves, approximately 0.43 miles of roadway will be relocated approximately 300 feet to the south approaching US 19 / US 41 / SR 3 / Tara Boulevard. The roadway will remain open to traffic during construction.

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:

Michael K. Hill
E-mail michill@dot.ga.gov
Georgia Department of Transportation
4125 Roosevelt Highway
College Park, Georgia 30349
(404)559-6699

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:

Ernay Robinson-Perry
Office of Program Delivery
E-mail erobinson@dot.ga.gov
4125 Roosevelt Highway
College Park, Georgia 30349
(404)559-6690

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.