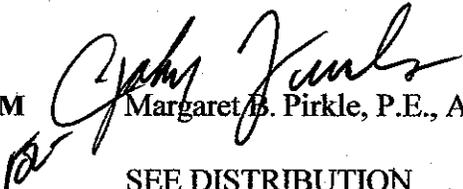


**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 721440-, Fayette-Clayton Counties **OFFICE** Preconstruction
STP-164-1(29)
SR 54 Widening/Reconstruction **DATE** May 2, 2007

FROM  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
Michael Henry
Keith Golden
Joe Palladi
Paul Liles
Babs Abubakari
Bryant Poole
Thomas Howell
BOARD MEMBER

7400

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-164-1(29), Fayette/Clayton Counties **OFFICE** Atlanta, Georgia
P.I. No. 721440 **DATE** April 24, 2007
Widening/Reconstruction SR 54 from McDonough Road to
US 19/41/SR 3/Tara Blvd.
Includes bridges at Camp Creek, Flint River, and Morning Creek
M. Babs Abubakari
FROM Mohammed (Babs) Abubakari, P.E., State Consultant Design & Program
Delivery Engineer
TO Genetha Rice-Singleton, Assistant Director of Preconstruction
SUBJECT REVISED PROJECT CONCEPT REPORT

Attached is the original copy of the revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

Listed below are the proposed revisions to the current concept:

- Typical section from rural shoulder 44' grassed median to urban shoulder 24' raised median.
- Sidewalks are added. Bike lanes are also included, as a result of the County Bike Plan, but may not ultimately be included after the Value Engineering Study.
- Speed design will be 45 mph. Clayton County section is currently posted at 45 mph, and Fayette County section is currently posted at 55 mph.
- These changes since the original concept (February 1992) are justified due to the new land use patterns, residential build-up, and addition of schools and churches.

The revised concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Plan (RTP) and/or the State Transportation Improvement Program (STIP).

Date 4-26-07

Angela T. Alexander
State Transportation Planning Administrator

MBA:MAH:RR

Attachment

cc: Brian Summers, Project Review Engineer, w/attach.
Harvey Keepler, State Environmental/Location Engineer, w/attach.
Keith Golden, State Traffic Safety & Design Engineer, w/attach.
Angela Alexander, State Transportation Planning Adm., w/attach.
Jamie Simpson, State Transportation Financial Management Administrator, w/attach.
Bryant Poole, District 7 Engineer, w/attach.
Thomas Howell, Jr., District 3 Engineer, w/attach.
Paul Liles, State Bridge Design Engineer, w/attach.

REVISED PROJECT CONCEPT REPORT

Need and Purpose:

Background

This proposed improvement is located in Fayette and Clayton Counties and is located within the boundaries of the Atlanta Regional Commission (ARC). The project is found in the ARC's Regional Transportation Plan listed as ARC No. CL-041. This project was originally programmed in October 1989. Previously a concept report was approved in 1992, but subsequent changes following the concept approval require an updated concept.

Proposed Improvements

Project STP-164-1(29), PI # 721440 in Clayton and Fayette Counties consists of the widening from two to four lanes of 5.3 miles of SR 54 from just north of McDonough Road in Fayette County to US 19/41/SR 3/Tara Boulevard in Clayton County. In addition, project STP-164-1(29) would widen GDOT bridges, 113-5052, 113-5053, and 063-5046, over Morning Creek, Camp Creek, and the Flint River. These bridges were replaced in 2000 by project BRF-164-1(18), but will now need to be widened.

Logical Termini

The project length is 5.3 miles and both the northern and southern termini of the project link to an existing four lane sections of SR 54 in both Clayton and Fayette Counties.

Projects in the Area

Currently, there are three programmed projects in the area of the SR 54 widening project.

PI # 0007998, CSSFT-0007-00(998), Sign Upgrades on Several State Routes in District 7. This project is located on SR 3 near the northern terminus of Project 721440. The completion of this project will have no affect on the widening of SR 54.

PI # 0007346, CSSTP-0007-00(346), Signals at 5 locations on SR 54. This project is located on SR 54 south of the southern terminus of the project. The completion of this project will have no affect on the widening of SR 54.

PI # 742870, STP-2009(4), SR 920 widening from SR 54 to SR 3/US 19. This project is located on SR 920 and has SR 54 as its western project terminus. The completion of this project will have no affect on the widening of SR 54 since it is on an intersecting roadway.

Existing and Projected Traffic Conditions

The 2006 traffic (AADT) for SR 54 in the project area varies from 17,500 at the southern project limits to 20,000 at the northern terminus. In 2012, traffic is anticipated to decrease to 16,000 AADT at the southern limit and increasing to 22,720 AADT at the northern project limit. Design year (2032) traffic is projected to range from 26,280 AADT at the southern limit to 37,280 AADT at the northern limit. From 2006 to 2032, proposed traffic volumes represent an increase of 86% for this section of SR 54. The 2006 LOS is an E along the entire 5.3 corridor of SR 54 to be widened. In 2032, LOS will decline to F for the

entire SR 54 corridor without improvements. However, with the proposed improvements, in 2032 the projected LOS is C based on current traffic projections at the northern terminus and a B at the southern terminus.

Crash Information

This section of roadway has a crash rate lower than the statewide average for this classification of roadway, which is urban principal arterial, for years 2003-2005. For the purposes of crash rate calculation, a corridor length of 6.4 was used (2.9 miles in Fayette County and 3.5 miles in Clayton County).

SR 54 from SR McDonough Road to Tara Boulevard/US 19/41/SR 3

	2003	2004	2005
Total Accidents	138	160	129
<i>Clayton County Accidents (Mile 0 - 3.5)</i>	65	75	63
<i>Fayette County Accidents (Mile 12.5-15.4)</i>	73	85	66
Accidents Per 100 MVMT	380	407	349
Statewide Accidents Per 100 MVMT	526	463	513
Accident % Higher/Lower Than Statewide Average	-38.4%	-13.8%	-47.0%

Additionally, the number of injuries, number of fatalities and types of crashes were taken for the entire project length for years 2003-2005.

Injury and Fatality Data

SR 54 from SR McDonough Road to Tara Boulevard/US 19/41/SR 3

	2003	2004	2005
Total Number of Injuries	80	64	54
Injuries Per 100 MVMT	220	163	146
Statewide Injuries Per 100 MVMT	206	181	199
Injury % Higher/Lower Than Statewide Average	+6.8%	-11.0%	-36.3%
Total Number of Fatalities	1	0	0
Fatalities Per 100 MVMT	2.75	0	0
Statewide Fatalities Per 100 MVMT	1.07	1.13	1.50
Fatality % Higher/Lower Than Statewide Average	+157.01%	-100%	-100%

Types of Crashes

The 2003 injury and fatality data show that this section of SR 54 within the project area has a higher rate per 100 million vehicle miles traveled than the statewide average for an urban principal arterial facility. Contrastingly, the accident rate for 2003 is lower than the statewide average per 100 million vehicle miles traveled. All other accident, injury and fatality rates for 2004 and 2005 are lower than the statewide average per 100 million vehicle miles traveled.

In addition, locations were identified within the project limits that have a high concentration of crashes. Several locations along the project corridor represent locations where crashes are concentrated. The

majority of these locations are at intersections of an intersecting street with SR 54. Furthermore, these crashes are mostly rear-end type crashes. A few locations have traffic signals present at the intersection. When compared to the other hot spot intersections, those that have traffic signals have higher numbers of crashes. Sixteen locations were identified as hot spots for crashes with three of these intersections having a traffic signal and the remaining 13 without a traffic signal. The table below summarizes the number of crashes and their locations for the project corridor.

County	Location (milelog)	Cross Street	Total Crashes	Crash Type (% of total shown with actual no.)			
				Rear End	Angle	Collision Involving Only One Vehicle	Head On
Clayton	2.66	Towngate Blvd	19	13 (68.4)	2 (10.5)	3 (15.8)	1 (0.05)
	2.38	Jenni Ln	5	3 (60)	--	2 (40)	--
	2.29	Fieldgreen Dr	14	6 (42.9)	3 (21.4)	5 (35.7)	--
	1.95	Brown Rd	15	8 (53.3)	3 (20)	4 (26.7)	--
	1.43	Margaret Ln	6	2 (33.3)	--	4 (66.7)	--
	1.16	Whaleys Lake Dr	18	11 (61.1)	1 (0.06)	6 (33.3)	--
	0.55	Mundys Mill Rd*	37	26 (70.3)	10 (27)	--	1 (0.03)
	0.45	N/A	8	7 (87.5)	--	1 (12.5)	--
	0.35	N/A	6	3 (50)	--	3 (50)	--
0.12	Thomas Rd*	32	26 (81.3)	4 (12.5)	2 (0.06)	--	
Fayette	14.9	Corinth Rd	22	6 (27.3)	13 (59.1)	3 (13.6)	--
	14.5	Simpson Rd	13	7 (53.9)	5 (38.5)	1 (0.08)	--
	13.9	Deer Forest Rd	8	3 (37.5)	--	5 (62.5)	--
	13.7	McElroy Rd	37	27 (73)	5 (13.5)	5 (13.5)	--
	13.47	Banks Rd*	57	14 (24.6)	31 (53.9)	2 (0.04)	10 (27.1)
	12.73	McDonough Rd	41	21 (51.2)	13 (31.7)	6 (14.6)	1 (0.07)

*Intersections with a traffic signal.

Most hot spot crash locations show rear-end crashes as the most dominant type of crash. However one location, Banks Road, has a high number of angle and head-on collisions. This intersection is a four-way stop with turn lanes on all four approaches. Both SR 54 and Banks Road narrow to two lanes before and following this intersection. Other intersections with high number of crashes are located at McDonough Road, Thomas Road, Mundys Mill and McElroy Road. At the SR 54 and McDonough Road intersection, there is no traffic signal and vehicles from McDonough Road must turn onto SR 54 with cars traveling at the speed limit of 55 mph. The Thomas Road intersection has a traffic signal with a left turn arrow and has a high number of rear-end crashes (26 of 32 or 81%). Similarly, Mundys Mill Road has a traffic signal and also has a high number of rear-end crashes (26 of 37 or 70%). Mundys Mill Road, like Banks Road, is an intersection having turn lanes only on SR 54. Finally, McElroy Road intersects with SR 54 at an angle less than 90 degrees. A high number of rear-end crashes have occurred at this intersection (27 of 37 or 73%).

Community Issues

This project lies within a total of four Census Tracts, two in Fayette County and two in Clayton County. Data for each of the four Census Tracts were analyzed including: population amounts from 1990 and 2000, percent of minority population, median household income, and percentage of families living below poverty level. Data for Fayette and Clayton Counties are given for comparative purposes. The results are presented in the table below.

Tract	1990 Population	2000 Population	Population Growth Rate	Percentage Minority	Median Household Income	Percentage of Families Below Poverty
406.07 Clayton	7,644	18,097	136.7%	55.5	51,900	7.3
405.17 Clayton	N/A *	8,577	N/A *	71.9	47,246	5.4
1401.02 Fayette	5,231	5,482	4.8%	25.6	73,807	1.7
1404.06 Fayette	N/A *	3,372	N/A *	12.8	54,160	0.8
Clayton County	182,052	236,517	29.9%	62.1	42,697	8.2
Fayette County	62,415	91,263	46.2%	16.1	71,227	2.0

Source: U.S. Census

Note: * 1990 population data and population growth rate data are absent from Census Tracts 405.17 and 1404.06 as these tracts were created at the time of the 2000 Census.

Need & Purpose

Traffic projections indicate that future roadway demand will exceed existing carrying capacity. Projected traffic amounts in 2032 along this segment of SR 54 result in a LOS F indicating a need to address capacity issues in this corridor. The purpose of this project is to widen SR 54 from just north of McDonough Road in Fayette County to US 19/41/SR 3/Tara Boulevard in Clayton County to address additional capacity needs along this segment of roadway.

Project location:

Project length is proposed to be 5.3 miles, but actual improvements or overlay at termini intersections will lengthen the project slightly. Project begins at McDonough Road (ML 12.81) in Fayette County, follows existing SR 54 east to the Clayton County Line (Fayette ML 15.36, Clayton ML 0.00), and continues east following existing SR 54 to US 19/41/SR 3/Tara Boulevard (ML 2.94). Project length is 2.55 miles in Fayette County, and 2.94 miles in Clayton County, for total length of 5.49 miles. The last 0.43 miles will be a slight relocation due to substandard horizontal curves.

Description of the approved concept:

PDP Classification: Major X Minor _____

Federal Oversight: Full Oversight (), Exempt(X), State Funded(), or Other ()

Functional Classification: Rural Minor Arterial (Begin to Corinth Road)
Urban Connecting Link (Corinth Road to US 19/41)

U. S. Route Number(s): NA **State Route Number(s):** 54

Traffic (AADT) as shown in the approved concept:

Current Year: 14600 (1996) Design Year: 26350 (2016)

Proposed features to be revised:

The proposed rural shoulders and 44' depressed grassed median will now be urban shoulder, 24' raised median, and sidewalks. The land use now has changed from rural and vacant to residential with several subdivisions, churches, and schools with direct access onto SR 54. The proposed right of way width of 170' will now be a normal 150', with some locations possibly reaching 200'. The alignment with the urban shoulder and 24' raised median will be symmetrical for the most part, but there will be lengths with widening either left or right.

Describe the revised feature(s) to be approved:

Proposed now is an urban shoulder, 24' raised median, sidewalks, and 45 mph design speed. Posted speed in Clayton County is 45 mph, and in Fayette County it is 55 mph. The District Offices concur with speed zone change later for 45 mph full length of project.

Functional Classification: Urban Principal Arterial (Begin to Corinth Road)
Urban Principal Arterial (Corinth Road to US 19/41)

Updated traffic data (AADT):

Current Year: 23680 (2012) Design Year: 38760 (2032)

Programmed/Schedule:

P.E. 1997 R/W: 2008 Construction: 2010

VE Study Required Yes(X) No()

Revised cost estimates:

1. Construction cost including E&C,
2. Right-of-Way, and
3. Utilities

Is the project located in a Non-attainment area? Yes. Proposed 4-lane and project termini agree with current Model. Proposed open year based on FY 2010 Construction does not agree with Model Year 2015.

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Attachments:

1. Sketch Map,
2. Cost Estimate,
3. Conforming plan's network schematics showing thru lanes, (Note: This attachment is required for non-attainment areas only.), and
4. Other supporting documents.

Concur: _____

Director of Preconstruction

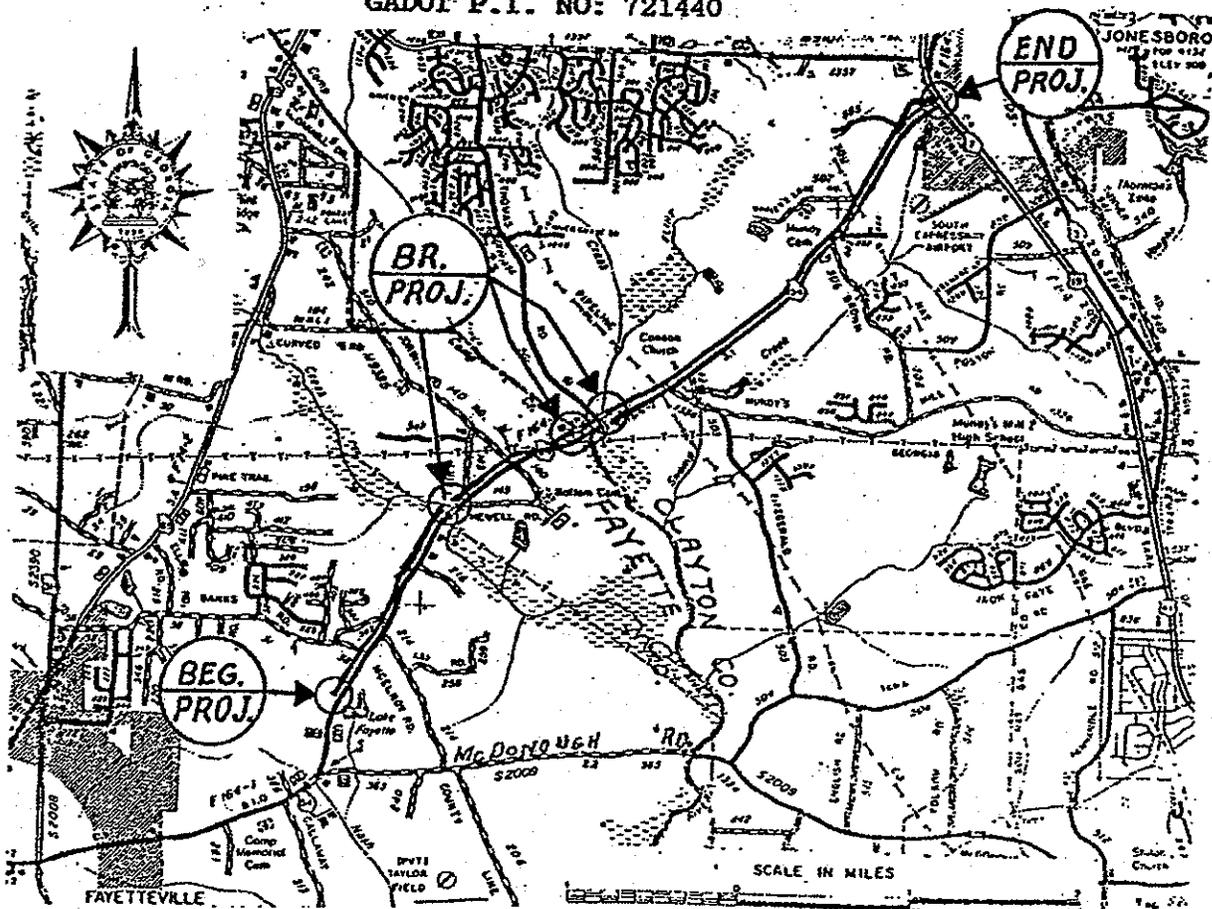
Approve: _____

Chief Engineer

SKETCH MAP

STP-164-1(27)

GADOT P.I. NO: 721440



Estimate Report for file "0721440"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	1266200.00	TRAFFIC CONTROL -	1266200.00
153-1300	1	EA	57050.00	FIELD ENGINEERS OFFICE TP 3	57050.00
201-1500	1	LS	375000.00	CLEARING & GRUBBING -	375000.00
205-0001	105000	CY	5.61	UNCLASS EXCAV	589050.00
206-0002	250000	CY	6.31	BORROW EXCAV, INCL MATL	1577500.00
310-1101	145200	TN	17.17	GR AGGR BASE CRS, INCL MATL	2493084.00
318-3000	2000	TN	17.21	AGGR SURF CRS	34420.00
402-1812	8000	TN	58.91	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	471280.00
402-3121	50000	TN	61.84	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	3092000.00
402-3130	26000	TN	58.94	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	1532440.00
402-3190	35000	TN	64.12	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	2244200.00
413-1000	10000	GL	1.84	BITUM TACK COAT	18400.00
433-1000	1120	SY	135.15	REINF CONC APPROACH SLAB	151368.00
441-0004	1000	SY	52.66	CONC SLOPE PAV, 4 IN	52660.00
441-0016	1600	SY	39.88	DRIVEWAY CONCRETE, 6 IN TK	63808.00
441-0018	400	SY	41.96	DRIVEWAY CONCRETE, 8 IN TK	16784.00
441-0104	45000	SY	37.12	CONC SIDEWALK, 4 IN	1670400.00
441-0301	10	EA	1876.27	CONC SPILLWAY, TP 1	18762.70
441-0748	6000	SY	38.26	CONCRETE MEDIAN, 6 IN	229560.00
441-4020	1200	SY	38.30	CONC VALLEY GUTTER, 6 IN	45960.00
441-4030	300	SY	45.27	CONC VALLEY GUTTER, 8 IN	13581.00
441-6222	80680	LF	17.08	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	1378014.40
441-6740	55480	LF	15.62	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	866597.60
500-3101	100	CY	578.66	CLASS A CONCRETE	57866.00
511-1000	5000	LB	0.95	BAR REINF STEEL	4750.00
550-1180	31000	LF	41.02	STORM DRAIN PIPE, 18 IN, H 1-10	1271620.00
550-1240	3200	LF	53.78	STORM DRAIN PIPE, 24 IN, H 1-10	172096.00
550-1300	750	LF	65.92	STORM DRAIN PIPE, 30 IN, H 1-10	49440.00
550-1360	500	LF	77.97	STORM DRAIN PIPE, 36 IN, H 1-10	38985.00
550-1480	300	LF	130.46	STORM DRAIN PIPE, 48 IN, H 1-10	39138.00
550-4218	24	EA	678.07	FLARED END SECTION 18 IN, STORM DRAIN	16273.68
550-4224	6	EA	882.93	FLARED END SECTION 24 IN, STORM DRAIN	5297.58
550-4230	3	EA	909.32	FLARED END SECTION 30 IN, STORM DRAIN	2727.96
550-4236	3	EA	1202.05	FLARED END SECTION 36 IN, STORM DRAIN	3606.15
573-2006	1000	LF	17.71	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	17710.00
641-1200	5000	LF	18.54	GUARDRAIL, TP W	92700.00
641-5001	20	EA	617.35	GUARDRAIL ANCHORAGE, TP 1	12347.00
641-5012	20	EA	1871.80	GUARDRAIL ANCHORAGE, TP 12	37436.00
668-1100	180	EA	2277.92	CATCH BASIN, GP 1	410025.60
668-1200	50	EA	2457.90	CATCH BASIN, GP 2	122895.00
Section Sub Total:					\$20,613,033.67

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
441-0204	6000	SY	33.76	PLAIN CONC DITCH PAVING, 4 IN	202560.00
603-2024	1000	SY	53.68	STN DUMPED RIP RAP, TP 1, 24 IN	53680.00
603-7000	1000	SY	4.83	PLASTIC FILTER FABRIC	4830.00
700-6910	51	AC	906.91	PERMANENT GRASSING	46252.41
700-7000	102	TN	58.05	AGRICULTURAL LIME	5921.10
700-7010	255	GL	19.30	LIQUID LIME	4921.50
700-8000	46	TN	348.14	FERTILIZER MIXED GRADE	16014.44
700-8100	2550	LB	2.04	FERTILIZER NITROGEN CONTENT	5202.00
710-9000	35000	SY	3.65	PERMANENT SOIL REINFORCING MAT	127750.00
715-2200	7000	SY	1.95	BITUMINOUS TREATED ROVING, WATERWAYS	13650.00
Section Sub Total:					\$480,781.45

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	26	AC	571.97	TEMPORARY GRASSING	14871.22
163-0240	234	TN	183.84	MULCH	43018.56
163-0300	8	EA	2872.37	CONSTRUCTION EXIT	22978.96
163-0503	20	EA	549.25	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	10985.00
163-0530	1000	LF	3.67	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	3670.00
163-0550	230	EA	308.76	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	71014.80
165-0010	18000	LF	0.93	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	16740.00
165-0030	12000	LF	1.83	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	21960.00
165-0070	500	LF	2.29	MAINTENANCE OF BALED STRAW EROSION CHECK	1145.00
165-0087	10	EA	178.48	MAINTENANCE OF SILT CONTROL GATE, TP 3	1784.80
165-0101	4	EA	660.01	MAINTENANCE OF CONSTRUCTION EXIT	2640.04
165-0105	115	EA	110.84	MAINTENANCE OF INLET SEDIMENT TRAP	12746.60
167-1000	2	EA	1349.35	WATER QUALITY MONITORING AND SAMPLING	2698.70
167-1500	24	MO	1035.76	WATER QUALITY INSPECTIONS	24858.24
171-0010	36000	LF	1.80	TEMPORARY SILT FENCE, TYPE A	64800.00
171-0030	24000	LF	3.84	TEMPORARY SILT FENCE, TYPE C	92160.00
XXX-XXXX	1	Lump Sum	250000.00	SEDIMENT BASIN	250000.00
Section Sub Total:					\$658,071.92

Section SIGNING AND MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	600	SF	15.31	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	9186.00
636-1029	450	SF	18.64	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	8388.00
636-1033	480	SF	20.72	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	9945.60
636-1041	240	SF	32.42	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	7780.80
636-2070	1680	LF	8.75	GALV STEEL POSTS, TP 7	14700.00
636-2080	1120	LF	11.30	GALV STEEL POSTS, TP 8	12656.00
636-3010	20	EA	441.77	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	8835.40
647-1000	1	LS	100000.00	TRAFFIC SIGNAL INSTALLATION NO - (SR 54 @ CORNITH RD)	100000.00
647-1000	1	LS	100000.00	TRAFFIC SIGNAL INSTALLATION NO - (SR 54 @ THOMAS RD)	100000.00
647-1000	1	LS	100000.00	TRAFFIC SIGNAL INSTALLATION NO - (SR 54 @ MUNDY MILL RD)	100000.00
647-1000	1	LS	100000.00	TRAFFIC SIGNAL INSTALLATION NO - (SR 54 @ WHALEY LK. TRACE)	100000.00
647-1000	1	LS	100000.00	TRAFFIC SIGNAL INSTALLATION NO - (SR 54 @ TARA BLVD/US 41/US 19)	100000.00
653-0120	240	EA	72.67	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	17440.80
653-1501	86880	LF	0.63	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	54734.40
653-1502	86880	LF	0.69	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	59947.20
653-1704	1400	LF	5.02	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	7028.00
653-1804	4000	LF	1.99	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	7960.00
653-3501	56680	GLF	0.48	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	27206.40
654-1001	50	EA	3.64	RAISED PVMT MARKERS TP 1	182.00
654-1003	7085	EA	3.78	RAISED PVMT MARKERS TP 3	26781.30
657-1054	1800	LF	4.82	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	8676.00
657-3054	1800	GLF	3.63	PREFORMED PLASTIC SKIP PVMT MKG, 5 IN, WHITE, TP PB	6534.00

657-3085	1800	GLF	4.48	PREFORMED PLASTIC SKIP PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	8064.00
657-6054	1800	LF	4.69	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	8442.00
Section Sub Total:					\$804,487.90

Section BRIDGES					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
211-0200	0	CY	79.47	BRIDGE EXCAVATION, GRADE SEPARATION	0.00
441-0004	0	SY	52.66	CONC SLOPE PAV, 4 IN	0.00
500-0100	0	SY	4.21	GROOVED CONCRETE	0.00
500-1006	1	LS	0.00	SUPERSTR CONCRETE, CL AA, BR NO -	0.00
500-3101	0	CY	578.66	CLASS A CONCRETE	0.00
500-3650	0	CY	974.80	CLASS AA-1 CONCRETE	0.00
507-9002	0	LF	125.98	PSC BEAMS, AASHTO TYPE II, BR NO -	0.00
507-9030	0	LF	197.93	PSC BEAMS, AASHTO, BULB TEE, 54 IN, BR NO -	0.00
511-1000	0	LB	0.95	BAR REINF STEEL	0.00
511-3000	1	LS	0.00	SUPERSTR REINF STEEL, BR NO -	0.00
514-1000	1	LS	0.00	EPOXY COATED SUPERSTR REINF STEEL, BR NO -	0.00
520-0353	0	EA	171.89	H-PILE POINTS, HP 12 X 53	0.00
520-1125	0	LF	49.30	PILING IN PLACE, STEEL H, HP 12 X 53	0.00
520-1147	0	LF	57.17	PILING IN PLACE, STEEL H, HP 14 X 73	0.00
520-4125	0	EA	0.39	LOAD TEST, STEEL H, HP 12 X 53	0.00
520-4147	0	EA	62.13	LOAD TEST, STEEL H, HP 14 X 73	0.00
XXX-XXXX	13440	SF	100.00	BR NO-2 CAMO CREEK - (WIDENING 240 LF X 56 FT)	1344000.00
XXX-XXXX	13440	SF	100.00	BR NO-1 MORNING CREEK - (WIDENING 240 LF X 56 FT)	1344000.00
XXX-XXXX	13440	SF	100.00	BR NO-3 FLINT RIVER- (WIDENING 240 LF X 56 FT)	1344000.00
Section Sub Total:					\$4,032,000.00

Total Estimated Cost: \$26,588,374.94

Subtotal Construction Cost	\$26,588,374.94
E&C Rate 10.0 %	\$2,658,837.49
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
Total Construction Cost	\$29,247,212.43
Right Of Way	\$22,468,353.00
ReImb. Utilities	\$13,489,000.00
Grand Total Project Cost	\$65,204,565.43

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-164-1(29) Clayton/ Fayette Cos.
SR 54- Roadway & Bridge US 19/41
To McDonough Road
PI#721440

OFFICE District Seven
Chamblee, Georgia

DATE March 1, 2007

FROM Bryant R. Poole, District Engineer
TO Babs Abubakari, P.E., State Consultant Design
Attention: Rick Reasons

SUBJECT Preliminary Cost Estimate

A field inspection was conducted on the above project. As requested, we have provided a preliminary cost estimate for each utility to relocate. The following companies have facilities that occupy the public Right-of-way and prior rights have not been determined at this time:

Clayton County Water & Sewer	\$1,200,000.00
BellSouth Telecommunications	\$600,000.00
Atlanta Gas Light Company	\$1,000,000.00
Comcast of Georgia	\$600,000.00
Georgia Power Company (Distribution)	\$1,089,000.00
Georgia Power Company (Transmission)	<u>\$8,000,000.00</u>
Total	\$13,489,000.00

If you have any questions please contact Yulonda Pride-Foster at (770) 986-1117.

Sincerely,

Bryant R. Poole
District Engineer

By: Jonathan Walker
District Utilities Engineer

BRP:JW:YPF

Attachments

Jeff Baker, P.E./ Utilities (TMC)

Lee Upkins/ Preconstruction (TMC)

File

Department of Transportation State of Georgia

Interdepartmental Correspondence

FILE R/W Cost Estimate **OFFICE** Atlanta
PC / GAM **DATE** February 9, 2007
FROM Phil Copeland, Right of Way Administrator
TO To: Babs Abubakari, P.E. State Consultant Design Engineer
Attention : Rick Reason

SUBJECT Preliminary Right of Way Cost Estimate
Project: STP-164-1(29)Fayette/Clayton
P.I. No.: 721440
Description: SR 54 widening from north of McDonough Rd to US19/41

As per your request, attached is a copy of the approved Preliminary Right of Way Cost Estimates on the above referenced projects.

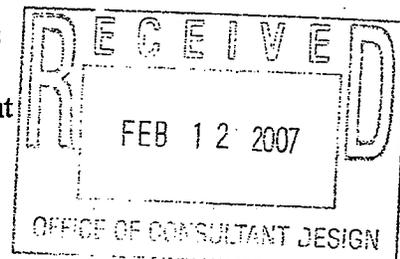
Please note the area of Required R/W was furnished with your request. Please include total Required R/W areas for the entire corridor in all future requests.

If you have any questions, please contact Jerry Milligan at the West Annex Right of Way Office at (770) 986-1541.

PC:GAM

Attachments

c: Brian Summers, Engineering Services
Wes Brock, R/W
Windy Bickers, Financial Management
File



Preliminary Right of Way Cost Estimate

Date: 01/30/2007

Project: STP-164-1(29)

Existing/Required R/W: 47 Acres Required

Project Termini:

Project Description: Widening and Reconstruction of S.R. 54 From Just North of McDonough Rd to U.S.19/41

Land:

Commercial

12 Acres @ \$180,000 /ac. = \$ 2,160,000

Residential

35 Acres @ \$65,000 /ac. = \$ 2,275,000

TOTAL

\$4,435,000

Improvements: 2 commercial businesses, 6 SFR, Fencing, signs, landscaping, paving **\$1,396,300**

Relocation:

Commercial 2 @ \$25,000/parcel = \$ 50,000

Residential 6 @ \$40,000/parcel = \$ 240,000

TOTAL

\$290,000

Damages:

Proximity - \$ 340,000

Consequential - \$

Cost to Cure - \$ 10,000

TOTAL

\$350,000

SUB-TOTAL:

\$ 6,471,300

Net Cost		\$6,471,300
Scheduling Contingency	55 %	\$3,559,215
Adm/Court Cost	60 %	\$6,018,309
Market Appreciation	40 %	\$6,419,529

TOTAL

\$22,468,353

Total Cost

\$22,468,353

Prepared By:

Donald L. Willis

Approved:

Howard P. Copeland

Howard P. Copeland
R/W Administrator

REVISED: 12-8-06

Fayette & Clayton County Land Sales

<u>Highest & Best Use</u>	<u>Size (acres)</u>	<u>Value/ac</u>	<u>Sales price</u>
Small Tract Residential	7.80	\$ 23,076	\$ 180,000
	1.00 (LOT)	\$ 64,900	\$ 64,900
	1.00 (LOT)	\$ 74,000	\$ 74,000
Agricultural / Residential	166	\$ 10,629	\$ 1,764,565
	25.9	\$ 110,000	\$ 2,849,000
	48	\$ 121,458	\$ 5,830,000
Commercial	1.800	\$ 122,222	\$ 220,000
	6.1	\$ 98,360	\$ 600,000
	1.7	\$ 323,529	\$ 550,000
Industrial	17.00	\$ 62,911	\$ 1,069,500
	8.00	\$ 70,000	\$ 560,000
	5.760	\$ 43,402	\$ 250,000

NETWORK SCHEMATIC
STP-164-1(29), PI 721440
FAYETTE/CLAYTON COUNTIES

