

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

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INTERDEPARTMENT CORRESPONDENCE

**FILE** P. I. No. 222255-, McDuffie-Wilkes Counties **OFFICE** Preconstruction  
EDS-545(53)  
SR 17/SR 10/US 78 Widening and Reconstruction **DATE** May 23, 2007  
**FROM** *Cathy Kunkel*  
Geneth Rice-Singleton, Assistant Director of Preconstruction  
**TO** SEE DISTRIBUTION  
**SUBJECT** APPROVED NOTICE OF LOCATION AND DESIGN

Attached for your further handling is the approved Location and Design Report on the above subject project.

Also attached is the Notice of Location and Design Approval. This is authorization for the District to proceed with advertisement.

GRS/cj

Attachment

DISTRIBUTION:

Brian Summers  
Harvey Keeper  
Jamie Simpson  
Paul Liles  
Keith Golden  
Ken Thompson  
Angela Alexander (file copy)  
Babs Abubakari  
Mike Thomas  
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

MAY 14 2007

INTERDEPARTMENT CORRESPONDENCE

**FILE** EDS-545(53) McDuffie/Wilkes Counties **OFFICE** Consultant Design  
PI No. 222255  
 **DATE** May 4, 2007

**FROM** Mohammed (Babs) Abubakari, P.E.,  
State Program Delivery and Consultant Design Engineer

**TO** Genetha Rice-Singleton.,  
Assistant Director of Preconstruction

**SUBJECT** Request for Location and Design Approval

**Description and Project Proposal:**

Project EDS-545(53) consists of the widening and reconstruction of a four lane divided highway on S.R. 17/S.R. 10/U.S. 78 beginning just north of C.R. 6/Smith Mill Rd. and extending in a northwesterly manner to the southern end of the Washington Bypass. The gross project length is 9.66 miles and the project is located 24% in McDuffie County and 76% in Wilkes County.

The existing two-lane rural highway on S.R. 17/ S.R. 10/ U.S 78 currently consists of a two-lane rural highway with grass shoulders and surface drainage ditches. Project EDS-545(53) widens the existing two lanes with the Governors Road Improvement Program (GRIP) typical section which is designed for 65 mph, into a four-lane divided highway with a 44-ft depressed median. The interior shoulders are six feet with two feet of paving adjacent to the travel lanes. The median consists of 6:1 slopes and a two-foot flat bottom ditch. The outside shoulders are ten feet wide with 6.5 feet of paving adjacent to the travel lanes. It will include 18-foot front slopes with a 2-foot flat bottom ditch. The four lane typical section will taper back to the existing two lane typical section at the northern end of the project. The posted speed limit is 55 mph, and the design speed is 65 mph. The right-of-way widths vary from 150 ft to 250 ft. Traffic will be maintained utilizing stage construction.

This project also consists of the removal of the existing bridge and the construction of two new 450-ft x 38-ft bridges crossing over Little River. Each bridge is designed to provide two 12-ft travel lanes with a 4-ft paved inside shoulder and 10-ft outside shoulder and to meet the desirable designed speed for 55 mph and minimum design speed criteria for 65 mph.

S.R. 17 / S.R. 10 / U.S. 78 is classified as a Rural Principal Arterial.

**Other Projects in Area:** EDS-545(40) P.I. No. 222250  
BRN-014-1(73) P.I. No. 227815  
BRN-014-1(74) P.I. No. 227816

**Concept Approval Date:** June 29, 1995

**Concept Update:** The concept has been updated as per revised concept report dated April 20, 2007

**Environmental Assessment Approval Date:** December 7, 1998

**Public Involvement:**

- **Public Hearing Results:**

A Public Hearing was held on December 14, 1998. A total of 45 citizens attended this meeting. A total of 20 comments were received. Of those commenting, 7 gave general support, 11 were opposed, 2 uncommitted/conditionally supported the project. Some of the concerns were the impact that this project will have to property values, environment and quality of life. Also, they are concerns that the road alignment is shifted at selected locations to avoid properties deemed historic that appear not to have historic value. Officials attending included the following: Dwayne Patrick, – Thomson City Administrator, Joyce Blevins – Thomson Chairman County Commissioner, Bob Knox, Jr. – Mayor of Thomson, Charles Wallace – Thomson County Commissioner, Frank Thomas – Mayor of Washington and David Tyler City/County Clerk Washington and Wilkes County . No major changes made to the plans as a result of comments made at the hearing.

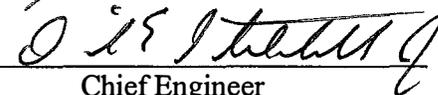
- **Public Information Open House Meeting Results:**

In conjunction with Project No. EDS-545(40), a Public Information Open House meeting was held on September 22, 2005 at Ebenezer Baptist Church, 3519 Thomson Rd., Washington, GA 30673. A total of 67 citizens attended this meeting. A total of 24 comments were received. Of those commenting, 7 gave general support, 3 were opposed and 14 were uncommitted/conditionally supported the project. Some of the concerns were that the new location section unnecessarily divides existing tracts of land. Several comments were about having access to the relocated roadway and to Reynolds Road. Officials attending included the following: Alberty Huyck Tignal - Mayor Pro Tempore, Donna Hardy – Wilkes County Commissioner, Jerry Stover – Wilkes County Commissioner and Ray Hardy - City of Washington Council member. Minor changes were made to the plans as a result of comments made at the meeting.

**Consistency with Approved Planning:** The design description as presented herein and submitted for approval is consistent with the approved Concept Report and Revised Concept Report.

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

**Recommend:**   
\_\_\_\_\_  
Director of Preconstruction

**Approve:**   
\_\_\_\_\_  
Chief Engineer

5/22/07  
Date of Approval

**Attachments:**

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

## NOTICE OF LOCATION AND DESIGN APPROVAL

### S.R.17/S.R.10/U.S.78 Widening and Reconstruction from C.R. 6/Smith Mill Road to the Southern end of the Washington By-Pass Project Number EDS-545(53) P. I. No. 222255

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 the above project.

The date of location approval is: May 23, 2007

Project EDS-545(53) is the widening of S.R. 17/S.R. 10/U.S. 78 from C.R. 6/Smith Mill Rd. to the southern end of the Washington By-pass for a distance of approximately 9.6 miles. The widening would begin to the western side of S.R. 17/S.R. 10/U.S. 78, using a typical section of four 12 ft lanes with a 44 ft grassed median, from C.R. 6/Smith Mill Rd. to a point approximately 1.7 miles north of Little River. There, the widening would shift back to the northeastern side until a point 0.3 miles south of C.R. 197. The widening would continue on new location to the northwest of Aonia, using a four 12 ft lane section with a 44 ft grassed median for approximately 0.7 miles, crossing back over S.R. 17/S.R. 10/U.S. 78 north of S.R. 198 and continuing on new location to the north of S.R. 17 to a point just south of S.R. 80. At this point, S.R. 17/S.R. 10/U.S. 78 will be widening on the west side with a 14-ft flush median and extend to the Washington By-Pass. Two new 450-ft x 38-ft bridges will be constructed over Little River. The required right-of-way varies from 150 ft to 250 ft. S.R. 17 / S.R. 10 / U.S. 78 is classified as a Rural Principal Arterial and the bridges will be designed to meet the desirable design speed criteria for 55 mph and minimum design speed criteria of 65 mph. The posted speed design is 55 mph.

This project is located 24% in McDuffie and 76% Wilkes Counties and Georgia Militia Districts Nos. 174, 176 and 274.

Drawings, maps or plots of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

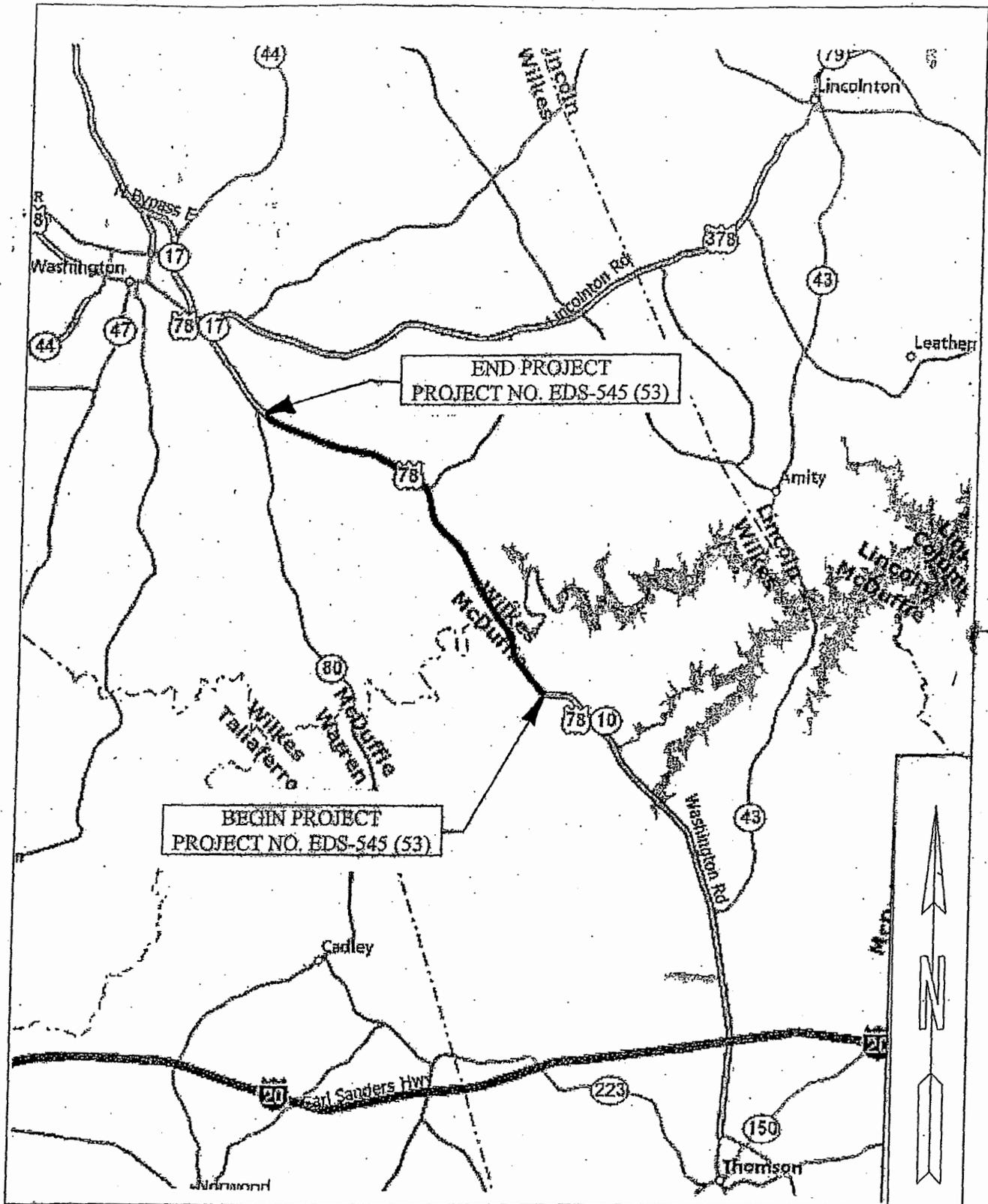
Area 3 Engineer  
Georgia Department of Transportation  
2971 US Hwy 1 North  
Louisville, Georgia 30434  
(478) 625-3681

Area 4 Engineer  
Georgia Department of Transportation  
4260 Frontage Road  
Augusta, Georgia 30909  
(706) 855-3466

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:

Mohammed (Babs) Abubakari  
Office of consultant Design and Program Delivery  
Georgia Department of Transportation  
2 Capitol Square, SW; Room 433  
Atlanta, Georgia 30334-1002  
(404) 463-7486  
[babs.abubakari@dot.state.ga.us](mailto:babs.abubakari@dot.state.ga.us)

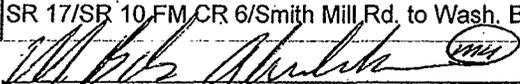
Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.



LOCATION SKETCH  
 PROJECT NO. EDS-545 (53)  
 P. I. NO. 222255  
 MCDUFFIE/WILKES COUNTY

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE  OFFICE   
PI. No.   
 DATE   
FROM 

TO Brian Summers, P.E., Project Review Engineer

SUBJECT REVISIONS TO PROGRAMMED COST

NO REVISION REQUIRED  Project Manager:

PROGRAMMED COST: Last Estimate Date:

- Construction Cost	<input type="text" value="\$ 35,138,000"/>
- Right of Way Cost	<input type="text" value="\$ 8,503,000"/>
- Reimbursable Utility Cost	<input type="text" value="\$ 43,950"/>

NEW COST ESTIMATES:

- Construction Cost *	<input type="text" value="\$ 35,249,000"/>
- Right of Way Cost	<input type="text" value="\$ 8,503,000"/>
- Reimbursable Utility Cost	<input type="text" value="\$ 43,950"/>

\* Contains 10% E & C

Reasons for the cost revisions:

c: Jamie Simpson, Financial Management Administrator

## Estimate Report for file "22255 NEW"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	200000.00	TRAFFIC CONTROL -	200000.00
150-5000	30	EA	486.45	TRAFFIC CONTROL, TEMPORARY SAND LOADED ATTENUATOR MODULE	14593.50
153-1300	1	EA	75272.56	FIELD ENGINEERS OFFICE TP 3	75272.56
207-0203	155	CY	50.55	FOUND BKFILL MATL, TP II	7835.25
210-0100	1	LS	8721750.00	GRADING COMPLETE -	8721750.00
310-1101	237480	TN	17.17	GR AGGR BASE CRS, INCL MATL	4077531.60
318-3000	3000	TN	17.21	AGGR SURF CRS	51630.00
402-1812	7050	TN	75.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	528750.00
402-3113	34545	TN	75.00	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	2590875.00
402-3121	69380	TN	75.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	5203500.00
402-3190	46065	TN	75.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	3454875.00
413-1000	32000	GL	1.84	BITUM TACK COAT	58880.00
620-0300	2500	LF	50.00	TEMPORARY BARRIER, METHOD NO. 3	125000.00
634-1200	300	EA	104.82	RIGHT OF WAY MARKERS	31446.00
641-1100	60	LF	51.47	GUARDRAIL, TP T	3088.20
641-1200	20900	LF	18.54	GUARDRAIL, TP W	387486.00
641-5001	26	EA	617.35	GUARDRAIL ANCHORAGE, TP 1	16051.10
641-5012	26	EA	1871.80	GUARDRAIL ANCHORAGE, TP 12	48666.80
<b>Section Sub Total:</b>					<b>\$25,597,231.01</b>

Section DRAINAGE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-3101	1090	CY	578.66	CLASS A CONCRETE (BOX CULVERT)	630739.40
500-3200	90	CY	530.90	CLASS B CONCRETE (SAFETY INLETS)	47781.00
511-1000	6300	LB	0.95	BAR REINF STEEL (SAFETY INLETS)	5985.00
511-1000	407522	LB	0.95	BAR REINF STEEL (BOX CULVERT)	387145.90
550-1180	9681	LF	41.02	STORM DRAIN PIPE, 18 IN, H 1-10	397114.62
550-1240	1508	LF	53.78	STORM DRAIN PIPE, 24 IN, H 1-10	81100.24
550-1300	1064	LF	65.92	STORM DRAIN PIPE, 30 IN, H 1-10	70138.88
550-1360	553	LF	77.97	STORM DRAIN PIPE, 36 IN, H 1-10	43117.41
550-1420	367	LF	117.83	STORM DRAIN PIPE, 42 IN, H 1-10	43243.61
550-1480	157	LF	130.46	STORM DRAIN PIPE, 48 IN, H 1-10	20482.22
550-2180	1600	LF	28.99	SIDE DRAIN PIPE, 18 IN, H 1-10	46384.00
550-3618	74	EA	601.55	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	44514.70
550-4218	73	EA	678.07	FLARED END SECTION 18 IN, STORM DRAIN	49499.11
550-4224	15	EA	882.93	FLARED END SECTION 24 IN, STORM DRAIN	13243.95
550-4230	14	EA	909.32	FLARED END SECTION 30 IN, STORM DRAIN	12730.48
550-4236	4	EA	1202.05	FLARED END SECTION 36 IN, STORM DRAIN	4808.20
550-4242	4	EA	1767.52	FLARED END SECTION 42 IN, STORM DRAIN	7070.08
576-1018	296	LF	26.13	SLOPE DRAIN PIPE, 18 IN	7734.48
668-2100	89	EA	4470.97	DROP INLET, GP 1	397916.33
668-2105	64	EA	4663.90	DROP INLET, GP 1, SPCL DES	298489.60
668-2110	5	LF	267.06	DROP INLET, GP 1, ADDL DEPTH	1335.30
668-8011	1180	SF	44.29	SAFETY GRATE, TP 1 (SAFETY INLETS)	52262.20
<b>Section Sub Total:</b>					<b>\$2,662,836.71</b>

Section EROSION CONTROL - TEMPORARY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	104	AC	571.97	TEMPORARY GRASSING	59484.88
163-0501	24	EA	924.07	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 1	22177.68
163-0531	35	EA	8070.58	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO -	282470.30
163-0550	231	EA	308.76	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	71323.56
				MAINTENANCE OF TEMPORARY SILT FENCE, TP	

165-0010	14042	LF	0.93	A	13059.06
165-0030	10032	LF	1.83	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	18358.56
165-0085	24	EA	313.22	MAINTENANCE OF SILT CONTROL GATE, TP 1	7517.28
165-0105	231	EA	110.84	MAINTENANCE OF INLET SEDIMENT TRAP	25604.04
171-0010	28083	LF	1.80	TEMPORARY SILT FENCE, TYPE A	50549.40
171-0030	20063	LF	3.84	TEMPORARY SILT FENCE, TYPE C	77041.92
716-2000	196036	SY	1.15	EROSION CONTROL MATS, SLOPES	225441.40
<b>Section Sub Total:</b>					<b>\$853,028.08</b>

Section EROSION CONTROL - PERMANENT					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0240	3626	TN	183.84	MULCH	666603.84
603-2180	1130	SY	43.48	STN DUMPED RIP RAP, TP 3, 12 IN	49132.40
603-7000	1420	SY	4.83	PLASTIC FILTER FABRIC	6858.60
700-6910	208	AC	906.91	PERMANENT GRASSING	188637.28
700-7000	624	TN	58.05	AGRICULTURAL LIME	36223.20
700-7010	520	GL	19.30	LIQUID LIME	10036.00
700-8000	187	TN	348.14	FERTILIZER MIXED GRADE	65102.18
700-8100	10400	LB	2.04	FERTILIZER NITROGEN CONTENT	21216.00
<b>Section Sub Total:</b>					<b>\$1,043,809.50</b>

Section SIGNING AND MARKINGS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	2046	SF	15.31	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	31324.26
636-2070	602	LF	8.75	1 GALV STEEL POSTS, TP 7	5267.50
636-2080	1730	LF	11.30	1 GALV STEEL POSTS, TP 8	19549.00
653-0120	59	EA	72.67	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	4287.53
653-0210	36	EA	108.18	THERMOPLASTIC PVMT MARKING, WORD, TP 1	3894.48
653-1501	109320	LF	0.63	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	68871.60
653-1502	91025	LF	0.69	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	62807.25
653-1704	115	LF	5.02	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	577.30
653-3501	104554	GLF	0.48	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	50185.92
653-6004	10463	SY	2.79	THERMOPLASTIC TRAF STRIPING, WHITE	29191.77
653-6006	282	SY	3.21	THERMOPLASTIC TRAF STRIPING, YELLOW	905.22
654-1001	410	EA	3.64	RAISED PVMT MARKERS TP 1	1492.40
654-1003	2290	EA	3.78	RAISED PVMT MARKERS TP 3	8656.20
<b>Section Sub Total:</b>					<b>\$287,010.43</b>

Section BRIDGE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
540-1101	1	LS	100000.00	REMOVAL OF EXISTING BR, STA NO -	100000.00
543-1100	1	LS	1500000.00	CONSTR OF BRIDGE - COMPLETE -	1500000.00
<b>Section Sub Total:</b>					<b>\$1,600,000.00</b>

**Total Estimated Cost: \$32,043,915.73**

<b>Subtotal Construction Cost</b>	<b>\$32,043,915.73</b>
E&C Rate 10.0 %	\$3,204,391.57
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
<b>Total Construction Cost</b>	<b>\$35,248,307.30</b>

Right Of Way	\$0.00
ReImb. Utilities	\$0.00

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<b>Grand Total Project Cost</b>	<b>\$35,248,307.30</b>
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# Department of Transportation State of Georgia

## ----- Interdepartmental Correspondence

**FILE** R/W Cost Estimate **OFFICE** Atlanta  
**DATE** August 16, 2006  
**FROM** Phil Copeland, Right of Way Administrator  
**TO** To: Babs Abubakari, P.E. State Consultant Design Engineer  
Attention : Thomas Cox  
**SUBJECT** Preliminary Right of Way Cost Estimate  
Project: EDS-545(53)McDuffie/Wilkes  
P.I. No.: 222255  
Description: SR 17 from West of CR 6 to Bypass

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

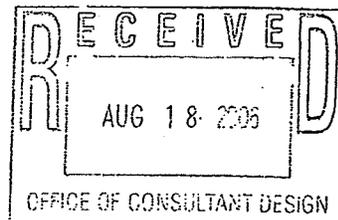
Please note the area of Required R/W was furnished with your request.  
Please include total Required R/W areas for the entire corridor in all future requests.

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  
Wilhelmina Mueller, R/W  
Windy Bickers, Financial Management  
File



# Preliminary Right of Way Cost Estimate

Date: August 11, 2006  
 Project: EDS-545(53), McDuffie/Wilkes  
 Existing/Required R/W: Varies/Varies  
 Project Termini: SR 17 from West of CR. 6 to Bypass  
 Project Description: 4 lane with median

P.I. Number: 222255  
 No. Parcels: 69

**Land:**

	Small Tract Residential				
R/W	47	Ac.	@ \$ 6,300/ Ac.	=	\$ 296,100
	Medium Tract Residential				
R/W	24	Ac.	@ \$ 3,150/Ac.	=	\$ 75,600
	Large Tract				
R/W	162	Ac.	@ \$2,360/Ac.	=	\$ 382,300

Improvements: 8 House, Signs, Fencing and Site improvements = \$1,485,000

**Relocation:**

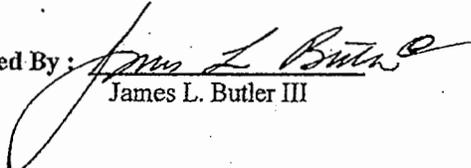
8 Residential @ \$ 20,000.00 = \$ 160,000  
 = \$ 160,000

**Damages:**

Proximity - Parcels 1 = \$50,000  
 = \$50,000

Net Cost		\$2,449,000
Scheduling Contingency	55 %	\$ 1,347,000
Adm/Court Cost	60 %	\$ 2,277,600
Inflation Factor	40 %	\$ 2,429,400
		<u>\$ 8,503,000</u> Rd.

**Total Cost \$ 8,503,000**

Prepared By:   
 James L. Butler III

Approved:   
 GDOT R/W

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** EDS-545 (53) – McDuffie/Wilkes Counties **OFFICE:** Tennille Utilities  
P.I. No. - 222255  
SR17/10/US 78 from CR 6/Smith Mill Rd to **DATE:** October 18, 2006  
Washington Bypass/SR 80

**FROM** <sup>JDC/JLL</sup> Jack D. Cooper, Jr., District Utilities Engineer

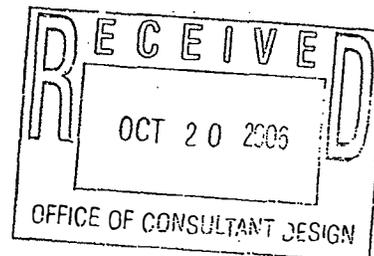
**TO** Babs Abubakari, State Consultant Design Engineer  
Attention: Tom Cox

**SUBJECT** UTILITY COST ESTIMATE

Attached is a Utility Cost Estimate that has been completed on the above referenced project. The estimate was done by Jamie Lindsey of this office and is based on preliminary plans provided by your office, dated July 14, 2006. Unit costs are based on the "mean item summary" and former "force account agreements".

All of the above information is an estimate and may be revised when project plans are developed and prior rights research has been performed. If you should have questions, please contact Jamie Lindsey in the Utilities Section of this office at 478-552-4637.

JDC:JLL





GAS					
NONE					
There are no gas facilities located within the project limits.			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
WATER					
NONE					
There are no water facilities located within the project limits.			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
SEWER					
NONE					
There are no sewer facilities located within the project limits.			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00
SUBTOTAL				\$0.00	\$0.00
Inflation: 5% X 4 Years				\$9,471.50	
TOTAL ESTIMATED UTILITY COSTS				\$53,421.50	
Estimate Prepared By: Jamie Lindsey - Assistant District Utilities Engineer				DATE:	18-Oct-06

Unit Costs are based on former "Force Account Agreements" and the Department of Transportation's "Mean Item Index"

The information above is an estimate and is subject to change as project plans are developed and prior rights research has been performed.

\* The Local Government that owns these facilities may seek financial assistance or reimbursement for these relocation costs.

