

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

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INTERDEPARTMENT CORRESPONDENCE

**FILE** P. I. No. 262480, Washington County **OFFICE** Preconstruction  
STP-2992(1)  
SR 24 Realignment **DATE** May 24, 2005

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

**TO** *MBP* SEE DISTRIBUTION

**SUBJECT** REVISED PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

David Mulling  
Harvey Keepler  
Ken Thompson  
Jamie Simpson  
Michael Henry  
Keith Golden  
Joe Palladi (file copy)  
Babs Abubakari  
Mike Thomas  
BOARD MEMBER

1000

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

DATE April 12, 2005

FROM Alan Smith, <sup>DA</sup> District Design Engineer

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

SUBJECT STP-2992 (1) Washington County, P.I. No. 262480  
Realignment of S.R. 24 along C.R. 67 to S.R. 88 east of the City of Sandersville  
Revised Project Concept Report

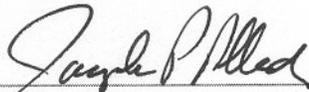
Attached is the original copy of the revised Project Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

The above mentioned project consists of the realignment of S.R. 24 along C.R. 67 to S.R. 88 just east of the City of Sandersville. The roadway will consist of 1 - 12 foot travel lane in each direction with rural shoulders to accommodate bicycle traffic in accordance with the State Bicycle Plan.

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

DATE

5/15/05

  
State Transportation Planning Administrator

*Distribution:*

David Mulling  
Harvey Keepler  
Phillip Allen  
Joe Palladi  
Jamie Simpson

## REVISED PROJECT CONCEPT REPORT

**Need and Purpose:** *This project will alleviate congestion in downtown Sandersville caused by truck turning movements. It will also serve as a portion of an east bypass for Sandersville-Tennille.*

**Project Location:** *The project is located on CR 67 between SR 24 and SR 88(Fall Line Freeway). The existing roadway consists of 2-10' lanes with 5' rural shoulders. The total project length is 0.60 miles.*

### Description of the approved concept:

*The current concept has been approved to relocate SR 24 along CR 67 (M.P. 2.2 - M.P. 2.8) to SR 88 and the construction of a westbound passing lane on SR 24 from milepost 14.6 to milepost 13.5.*

**PDP Classification:** Major  Minor

**Federal Oversight:** Full Oversight  Exempt  State Funded  Other

**Functional Classification:** *Rural Major Collector*

**U.S. Route Number(s):** *None*      **State Route Number(s):** *Proposed 24*

### Traffic (AADT) as shown in the approved concept:

Current Year: 2000 (2550)

Design Year: 2026 (4200)

### Proposed features to be revised:

*The concept is now revised to remove the construction of a westbound passing lane on SR 24 from milepost 14.60 to milepost 13.55 and only realign SR 24 along CR 67 to SR 88.*

### Describe the revised feature(s) to be approved:

*The limit of construction on existing S.R. 24 alignment will need to be revised from M.P. 13.55 to M.P.14.35. This will not affect the project limits since they are along the proposed S.R. 24 relocation.*

### Updated traffic data (AADT):

Current Year: 2006 (2800)

Design Year: 2026 (4200)

### Programmed Schedule:

P.E. 1998

R/W: 2004

Construction: 2005

**Revised Cost Estimates:**

- 1. Construction costs including inflation and E&C: \$940,000.00
- 2. Right of Way Cost: \$90,100.00
- 3. Utility Costs: \$14,000.00

Is the project in a Non-Attainment area?

Yes

No

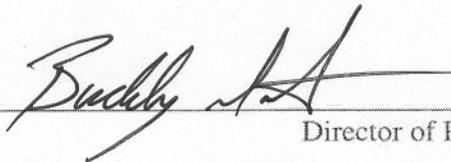
**Recommendation:**

*The district recommends that the proposed revision to the concept be approved for implementation.*

Attachments:

*Sketch Map  
Cost Estimate  
Need and Purpose Statement*

Concur:



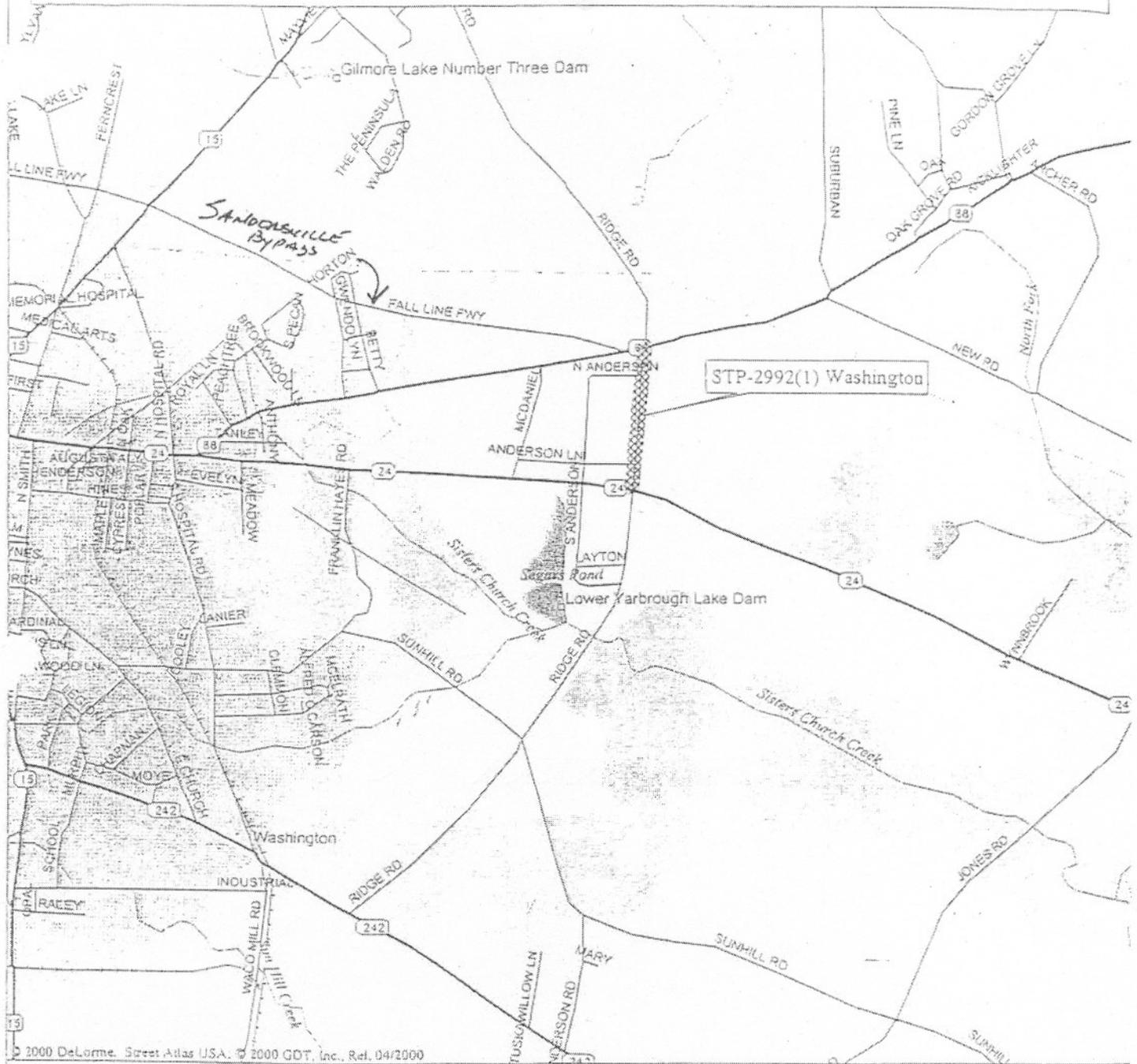
Director of Preconstruction

Approved:



Chief Engineer

# STP-2992(1) Washington



© 2000 DeLorme, Street Atlas U.S.A. © 2000 GDT, Inc., Ref. 04/2000

Mag 14.00  
 Wed Jul 09 15:32 2003  
 Scale 1:31,250 (at center)  
 2000 Feet  
 1000 Meters

- Local Road
- Major Connector
- State Route
- - - Utility/Pipe
- + + Railroad
- Point of Interest
- Airfield
- Cemetery
- Population Center
- Water
- Woodland
- River/Canal
- - - Intermittent River

## Estimate Report for file "STP-2992(1) Washington"

Section 1. ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1.00	Lump Sum	150000.00	TRAFFIC CONTROL STP-2992 (1)	150000.0
210-0100	1.00	Lump Sum	110400.97	GRADING COMPLETE - STP-2992 (1)	110400.97
310-1101	2966.00	TN	13.29	GR AGGR BASE CRS, INCL MATL	39418.14
318-3000	950.00	TN	15.07	AGGR SURF CRS	14316.5
402-1812	342.00	TN	39.10	RECYCL ASPH CONC LEVELING, INCL BITUM MATL & H LIME	13372.2
402-3112	1800.00	TN	45.62	RECYCL ASPH CONC 19 mm SUPERPAVE, INCL BITUM MATL & H LIME	82116.0
402-3121	2906.00	TN	36.84	RECYCL ASPH CONC 25 mm SUPERPAVE, INCL BITUM MATL & H LIME	107057.04
402-3131	1138.00	TN	35.74	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	40672.12
413-1000	1480.00	GL	0.95	BITUM TACK COAT	1406.0
429-1000	12.00	EA	423.45	RUMBLE STRIPS	5081.4
441-0104	810.00	SY	22.66	CONC SIDEWALK, 4 IN	18354.6
441-0303	3.00	EA	1389.64	CONC SPILLWAY, TP 3	4168.92
441-6022	1825.00	LF	10.10	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	18432.5
446-1002	4066.00	LF	2.66	PVMT REINF FABRIC STRIPS, TP 2, INCL BITUM BINDER	10815.56
456-2015	2.00	GLM	670.29	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	1340.58
500-3101	1.00	CY	404.23	CLASS A CONCRETE	404.23
550-1180	849.00	LF	28.07	STORM DRAIN PIPE, 18 IN, H 1-10	23831.43
550-1240	72.00	LF	32.96	STORM DRAIN PIPE, 24 IN, H 1-10	2373.12
550-2180	1153.00	LF	23.08	SIDE DRAIN PIPE, 18 IN, H 1-10	26611.23
550-3618	47.00	EA	454.01	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	21338.47
550-4218	4.00	EA	387.43	FLARED END SECTION 18 IN, STORM DRAIN	1549.72
550-4224	2.00	EA	474.24	FLARED END SECTION 24 IN, STORM DRAIN	948.48
634-1200	51.00	EA	84.28	RIGHT OF WAY MARKERS	4298.28
643-8200	290.00	LF	2.02	BARRIER FENCE (ORANGE), 4 FT	585.8
668-1100	2.00	EA	1720.77	CATCH BASIN, GP 1	3441.54
668-2100	2.00	EA	1895.69	DROP INLET, GP 1	3791.38
668-4300	1.00	EA	1735.25	STORM SEWER MANHOLE, TP 1	1735.25
<b>Section Sub Total:</b>					<b>\$707,861.47</b>

Section 2. EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2181	50.00	SY	34.37	STN DUMPED RIP RAP, TP 3, 18 IN	1718.49
603-7000	50.00	SY	3.52	PLASTIC FILTER FABRIC	176.0
700-6910	13.00	AC	736.02	PERMANENT GRASSING	9568.26
700-7000	26.00	TN	53.88	AGRICULTURAL LIME	1400.88
700-7010	33.00	GL	17.58	LIQUID LIME	580.14
700-8000	12.00	TN	236.35	FERTILIZER MIXED GRADE	2836.2
700-8100	1300.00	LB	1.38	FERTILIZER NITROGEN CONTENT	1793.99
<b>Section Sub Total:</b>					<b>\$18,073.98</b>

Section 3. TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	39.00	AC	450.77	TEMPORARY GRASSING	17580.03
163-0240	117.00	TN	212.17	MULCH	24823.89
163-0300	4.00	EA	1032.94	CONSTRUCTION EXIT	4131.76
163-0520	1500.00	LF	12.16	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	18240.0
163-0530	500.00	LF	2.16	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	1080.0
165-0010	800.00	LF	1.02	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	816.0
165-0030	150.00	LF	1.20	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	180.0

165-0101	4.00	EA	339.66	MAINTENANCE OF CONSTRUCTION EXIT	1358.64
167-1000	2.00	EA	2903.25	WATER QUALITY MONITORING AND SAMPLING	5806.5
167-1500	12.00	MO	744.65	WATER QUALITY INSPECTIONS	8935.8
171-0010	1600.00	LF	1.66	TEMPORARY SILT FENCE, TYPE A	2656.0
171-0030	300.00	LF	3.08	TEMPORARY SILT FENCE, TYPE C	924.0
700-8000	8.00	TN	236.35	FERTILIZER MIXED GRADE	1890.8
715-2200	1960.00	SY	1.74	BITUMINOUS TREATED ROVING, WATERWAYS	3410.4
716-2000	8000.00	SY	1.13	EROSION CONTROL MATS, SLOPES	9040.0
<b>Section Sub Total:</b>					<b>\$100,873.82</b>

<b>Section 4. HIGHWAY SIGNS</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
636-1020	392.00	SF	13.16	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	5158.72
636-1029	54.00	SF	20.04	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	1082.15
636-1031	126.00	SF	17.01	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	2143.26
636-1032	117.00	SF	26.45	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING TP 6	3094.65
636-2070	1260.00	LF	6.41	GALV STEEL POSTS, TP 7	8076.6
636-2080	120.00	LF	8.40	GALV STEEL POSTS, TP 8	1008.0
636-3010	10.00	EA	230.65	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	2306.5
652-0110	2.00	EA	37.16	PAVEMENT MARKING, ARROW, TP 1	74.32
652-0120	4.00	EA	42.44	PAVEMENT MARKING, ARROW, TP 2	169.76
652-5451	9007.00	LF	0.12	SOLID TRAFFIC STRIPE, 5 IN, WHITE	1080.84
652-5452	8412.00	LF	0.12	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	1009.43
652-5701	144.00	LF	2.25	SOLID TRAF STRIPE, 24 IN, WHITE	324.0
652-6501	100.00	GLF	0.07	SKIP TRAFFIC STRIPE, 5 IN, WHITE	7.00
652-9001	220.00	SY	1.56	TRAFFIC STRIPE, WHITE	343.2
653-1804	157.00	LF	1.47	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	230.79
654-1001	118.00	EA	3.21	RAISED PVMT MARKERS TP 1	378.78
654-1003	19.00	EA	3.13	RAISED PVMT MARKERS TP 3	59.47
<b>Section Sub Total:</b>					<b>\$26,547.49</b>

**Total Estimated Cost: \$853,356.76**

<b>Subtotal Construction Cost</b>	<b>\$853,356.76</b>
E&C Rate 10.0 %	\$85,335.68
Inflation Rate 5.0 % @ 0.0 Years	\$0.00
<b>Total Construction Cost</b>	<b>\$938,692.44</b>
Right Of Way	\$90,100.00
ReImb. Utilities	\$14,000.00
<b>Grand Total Project Cost</b>	<b>\$1,042,792.44</b>

## NEED AND PURPOSE STATEMENT

STP-2992 (1) Washington County  
P.I. # 262480

Relocation of S.R. 24 along C.R. 67 to S.R. 88 east of the City of Sandersville

### **Project Background**

This project was proposed to improve the functional capacity and operational safety of S.R. 24 by creating passing opportunities and re-routing truck traffic along C.R. 67 to S.R. 88, a designated truck route. This will reduce the number of trucks entering the downtown area of Sandersville thereby relieving congestion in this area.

### **Traffic Volumes**

SITE # 1  
2000 ADT = 2550  
2026 ADT = 4200  
2006 ADT = 2800  
K = 10%  
D = 60%  
T = 8%  
24 Hour T = 10%  
S.U. = 5%  
COMB. = 5%

### **Land Use / Development**

Land use consists mostly of planted pines mixed with residential developments scattered throughout.

### **Logical Termini**

This project begins just south of S.R. 24 on C.R. 67 and continues north to the intersection of S.R. 88 (Fall Line Freeway). By turning S.R. 24 along C.R. 67, traffic will be diverted to the existing Sandersville By-Pass allowing truck traffic to by-pass the downtown area of the City of Sandersville completely.

### **Agency Coordination**

This project will require coordination with the U.S. Army Corps of Engineers and the Federal Highway Administration.

### Need and Purpose

The need exists to: Relieve truck traffic congestion through the City of Sandersville and to provide adequate passing opportunities along S.R. 24 within the area of the project. The purpose of this project is to improve the functional capacity and operational safety of S.R. 24 by constructing passing lanes, turn lanes and re-routing S.R. 24 traffic along C.R. 67 to S.R. 88.