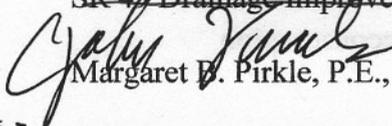


D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** P. I. No. 0000418 Washington County **OFFICE** Preconstruction  
 STP-0000-00(418) **DATE** March 17, 2005  
~~SR-49 Drainage Improvement~~  
**FROM**  Margaret E. Pirkle, P.E., Assistant Director of Preconstruction  
**TO**  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

DATE 3/21/05

Distribution:

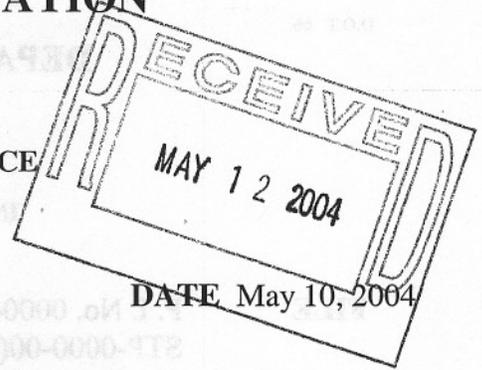
- David Mulling
- Harvey Keepler
- Phillip Allen
- Joe Palladi
- Percy Middlebrooks

1002

ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FROM George M. Brewer, District Design Engineer <sup>DAS</sup>

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

SUBJECT STP-0000-00 (418) Washington County, P.I. # 0000418  
Widening of S.R. 15 from S.R. 242 from Newman Street  
Revised Project Concept Report

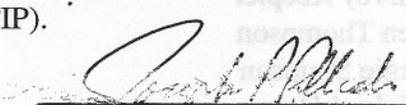
Attached is the original copy of the Revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

The above mentioned project consists of widening of S.R. 15 from the existing 5 lane section at S.R. 242 to Newman Street in the City of Sandersville.

The project is now revised to construct 2 - 10' travel lanes in each direction with a 10' flush median, curb and gutter and sidewalk each side.

The revised 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 3/2/05

  
State Transportation Planning Administrator

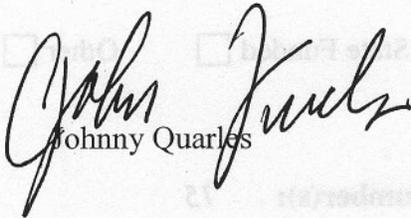
Distribution:

David Mulling  
Harvey Keeper  
Phillip Allen  
Joe Palladi  
Percy Middlebrooks

STP-0000-00(418), Washington County  
P.I. No. 0000418  
SR 15 Widening from SR 242 to Newman Street  
11-March-2005

Buddy,

This is a very short (0.24 mile) gap project in the historic area of Sandersville, just north of the Tennille Office, connecting to a five lane on each end. The proposed typical section consists of two, 10' lanes in each direction with a 10' flush median, curb and gutter and sidewalks. The footprint can not be expanded because of history. This project was carried as a state funded project for a long time because it would not pass 4(f). There are a few driveways, and the median is to provide separation more than anything else. I recommend its approval.



Johnny Quarles

# REVISED PROJECT CONCEPT REPORT

**Need and Purpose:** *See attached sheets.*

**Project Location:** *Project Number STP-0000-00(418) is located on State Route 15 in the City of Sandersville, Georgia. The Project is 0.24 mile in length and consist of adding a flush median on State Route 15 from milelog (ML) 14.23 to ML 14.45.*

**Description of the approved concept:**

*The approved concept provides a four lane urban roadway, 2 - 12' lanes in each direction with a 14' wide flush median, deceleration lanes where required and 10' shoulders including sidewalks. Traffic will be maintained on the existing roadway during construction. There is a proposed signal installation at the intersection of S.R. 15 at Smith Street and Morningside Drive.*

**PDP Classification:** Major  Minor

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

**Functional Classification:** *Urban Minor Arterial*

**U.S. Route Number(s):** *NONE*      **State Route Number(s):** *15*

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

Current Year: *19,500 (2010)*

Design Year: *26,500 (2030)*

**Proposed features to be revised:**

*Currently, the project concept report calls for 2 - 12' travel lanes in each direction with curb and gutter, sidewalk and a 14' flush median being constructed on S.R. 15.*

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

*It has been discovered that the existing typical section of S.R. 15 consists of 2 - 10' travel lanes in each direction with curb and gutter and sidewalk each side. A 10' flush median exists on the south approach of the project.*

*The proposed typical section needs to be revised to 2 - 10' travel lanes in each direction with a 10' flush median and curb and gutter and sidewalk each side. This will match the existing roadway lane widths on each end of the project.*

**Updated traffic data (AADT):**



Need and Purpose Statement  
Project Number STP-0000-00(418)  
PI No. 0000418  
Washington County, City of Sandersville  
SR 15

Location:

Project Number STP-0000-00(418) is located on SR 15 in the City of Sandersville, Georgia. The project is 0.24 miles in length and consists of adding a flush median on SR 15 from milepoint (MP) 14.22 to MP 14.46.

Functional Classification:

SR 15 in Sandersville is functionally classified as an Urban Minor Arterial. SR 15 serves traffic traveling north to south in the central portion of Georgia. SR 15 is one of several north-south routes, which provides connectivity to Interstate 16 and Interstate 20.]

Roadway Characteristics:

Presently this section of SR 15 consists of two twelve foot wide lanes in each direction with urban shoulders and deceleration lanes. The proposed roadway will have two twelve foot wide lanes in each direction, separated by a fourteen foot wide flush median. The proposed roadway will also include: deceleration lanes, curb and gutter, and sidewalks.

Travel Demand and Operational Conditions:

In 1999 the Average Annual Daily Traffic (AADT) on this segment of SR 15 was 21,626. Assuming a two percent increase in traffic annually this segment of SR 15 will carry 32,134 vehicles per day in the year 2019.

Level-of-Service (LOS) is defined as a qualitative measure describing operational conditions within a traffic stream. There are six identified LOS at which a roadway can operate. Each of the six are identified by a letter, A through F. LOS "A" represents the best operating conditions and LOS "F" represents the worst.

The Highway Capacity Manual is used by the Office of Planning to calculate LOS for all projects that are analyzed. Unfortunately the Highway Capacity Manual is designed primarily to illustrate the benefits that may be gained by increasing the number of through travel lanes, not the addition a flush median. However, the LOS for this section of SR 15 is presently at LOS "B". In 2019 the LOS will decrease to "C".

LOS "C" indicates that vehicle speeds are at or near free-flow speeds, but the freedom to maneuver is noticeably restricted. Disruptions in the traffic steam can result in significant queue formation and vehicular delay.

The addition of a flush median will permit motorists wishing to turn left to exit the through travel lane while waiting for an opportunity to execute their turn. Removing left turning movements from the through travel lane will permit a smoother more uniform



Brewer, George

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From: Ebodaghe, Abby  
Sent: Tuesday, August 28, 2001 8:39 AM  
To: Brewer, George  
Subject: Traffic Assignments for S.R. 15 South in the City of Sandersville.

## Department of Transportation State of Georgia

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### INTERDEPARTMENT CORRESPONDENCE

FILE STP-0000-00(418), Washington County OFFICE Environment/Location  
P.I. # 0000418 DATE August 28, 2001

FROM Harvey Keeper, State Environment/Location Engineer  
Mike Thomas, District Engineer, Tennille  
Attn. George Brewer

SUBJECT Traffic Assignments for S.R. 15 South in the City of Sandersville.

We are furnishing estimated Traffic Assignments for the above project as follows:

1999 AADT = 15500  
2010 AADT = 19500  
2030 AADT = 26500  
K = 9%  
D = 55%  
T = 1%  
24 HR. T = 2.5%  
S.U. = 2%  
COMB. = 0.5%

If you have any questions concerning this information please contact Abby Ebodaghe at (404) 699-4461.

HDK/AFE

traffic flow. The proposed improvement on SR 15 will reduce traffic congestion and driver discomfort.

Safety:

The Department's accident database indicates this segment of SR 15 has not experienced any accidents from 1995 to 1998. However, the addition of a flush median will remove left turning movements from the through travel lane, thus, reducing the opportunity for "rear-end" accidents to occur.

Logical Termini:

This project's termini are logical. No additional travel lanes will be provided. A flush median will be constructed where warranted by traffic volumes and turning movements.

Community Issues:

The United States Environmental Protection Agency (US EPA) defines Environmental Justice as "The fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation and enforcement of environmental laws, regulations or policies. Fair treatment means that no group of people should bear a disproportionate share of the negative environmental consequences resulting from industrial, municipal, and commercial operations or the execution of federal, state, local and tribal programs and policies."

Data from the 2000 Census indicates that 78.54% of the residents surrounding this proposed improvement are black. While the neighborhood around this project is predominantly black, the residents will not be disproportionately nor negatively affected by this project. The land use along this corridor is predominantly commercial and the residential neighborhoods are located off the main highway. The addition of sidewalks along SR 15 will improve the local resident's mobility options.

Project Need and Purpose:

The purpose of this project is to improve the safety and operational conditions of SR 15 through the addition of a two way left turn lane.



UD010000418STP-0000-00(418) WASHINGTON

\*\*\* ROADWAY \*\*\*

10	TRAFFIC CONTROL - STP-0000-00(418)	Lump	50000	LUMP	\$50000.00
10	GRADING COMPLETE STP-0000-00(418)	Lump	75000	LUMP	\$75000.00
11	GR AGGR BASE CRS, INCL MATL	TN	15	1300	\$19500.00
10	AGGREGATE SURFACE COURSE	TN	21	500	\$10500.00
12	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	46	200	\$9200.00
21	RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM	TN	42	600	\$25200.00
90	RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MA	TN	47	270	\$12690.00
50	RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MA	TN	45	540	\$24300.00
00	BITUM TACK COAT	G	1	450	\$450.00
10	MILL ASPH CONC. PVMT, VARIABLE DEPTH.	SY	2	1000	\$2000.00
18	DRIVEWAY CONCRETE, 8 IN THK	SY	30	100	\$3000.00
04	CONCRETE SIDEWALK, 4 IN	SY	30	550	\$16500.00
30	CONC VALLEY GUTTER, 8 IN	SY	35	50	\$1750.00
22	CONC CURB & GUTTER, 8 IN X 30 IN	LF	10	1500	\$15000.00
100	SAWED JOINTS IN EXIST PAVEMENTS - PCC	LF	1	50	\$50.00
101	PVMT REINF FABRIC STRIPS, TP 1, INCL BITUM BINDER	LF	1.5	1400	\$2100.00
99	CLASS B CONC, BASE OR PVMT WIDENING	CY	150	5	\$750.00
150	STORM DRAIN PIPE, 15 IN, H 1-10	LF	25	600	\$15000.00
180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	30	200	\$6000.00
240	STORM DRAIN PIPE, 24 IN, H 1-10	LF	35	100	\$3500.00
006	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	LF	10	100	\$1000.00
200	RIGHT OF WAY MARKER	EACH	70	20	\$1400.00
100	CATCH BASIN, GP 1	EACH	1600	6	\$9600.00
100	DROP INLET, GP 1	EACH	1300	4	\$5200.00
000	JUNCTION BOX	EACH	900	2	\$1800.00
				Section SUB TOTAL	\$311490.00

\*\*\* EROSION CONTROL \*\*\*

5001	GRASSING COMPLETE STP-0000-00(418)	LUMP	2000	LUMP	\$2000.00
				Section SUB TOTAL	\$2000.00

\*\*\*TEMPORARY EROSION CONTROL\*\*\*\*

1000	EROSION CONTROL - STP-0000-00(418)	LUMP	2000	LUMP	\$2000.00
1022	CONST, MAINT AND REMOVE TEMP PIPE SLOPE DRAIN	LF	10	200	\$2000.00
2051	CONST, MAINT AND REMOVE BALED STRAW EROSION CHECK	LF	11	1000	\$11000.00
0010	TEMPORARY SILT FENCE, TP A	LF	2.5	500	\$1250.00
0030	TEMPORARY SILT FENCE, TP C	LF	3	500	\$1500.00
2000	EROSION CONTROL MATS, SLOPES	SY	1.5	1000	\$1500.00
				Section SUB TOTAL	\$19250.00

\*\*\* TRAFFIC SIGNS AND MARKING \*\*\*

-1020	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	SY	208	6.9	\$1435.20
-1030	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	SY	208	51	\$10608.00
-2020	GALV STEEL POSTS, TP 2	LF	20	342	\$6840.00
-2030	GALV STEEL POSTS, TP 3	LF	20	40	\$800.00
-5010	DELINEATORS, TP 1	EACH	39	30	\$1170.00
-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EACH	60	63	\$3780.00
-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EACH	100	4	\$400.00
-0210	THERMOPLASTIC PVMT MARKING, WORD, TP 1	EACH	82	6	\$492.00
-1501	THERMOPLASTIC SOLID TRAFFIC STRIPE, 5 IN, WHITE	LF	1	8175	\$8175.00
-1502	THERMOPLASTIC SOLID TRAFFIC STRIPE, 5 IN, YELLOW	LF	1	12395	\$12395.00
-1704	THERMOPLASTIC SOLID TRAFFIC STRIPE, 24 IN, WHITE	LF	13	155	\$2015.00
3-3501	THERMOPLASTIC SKIP TRAFFIC STRIPE, 5 IN, WHITE	LF	1	12160	\$12160.00
3-3502	THERMOPLASTIC SKIP TRAFFIC STRIPE, 5 IN, YELLOW	LF	1	9830	\$9830.00
3-6004	THERMOPLASTIC TRAFFIC STRIPING, WHITE	SY	3	875	\$2625.00
3-6006	THERMOPLASTIC TRAFFIC STRIPING, YELLOW	SY	4	450	\$1800.00
4-1001	RAISED PVMT MARKERS TP 1	EACH	4.75	965	\$4583.75
4-1003	RAISED PVMT MARKERS TP 3	EACH	4.75	495	\$2351.25
4-1010	RAISED PVMT MARKERS TP 10	EACH	34	250	\$8500.00
				Section SUB TOTAL	\$89960.20

\*\*\* INFLATION AND E & C \*\*\*

UD010000418STP-0000-00(418) WASHINGTON

\*\*\* ROADWAY \*\*\*

\*\*\* EROSION CONTROL \*\*\*

\*\*\*TEMPORARY EROSION CONTROL\*\*\*\*

\*\*\* TRAFFIC SIGNS AND MARKING \*\*\*

\*\*\* INFLATION AND E & C \*\*\*

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-0000-00(418) - Washington County OFFICE Tennille - Utilities  
P.I. No. 0000418  
DATE July 26, 2001

FROM James F. Hobby, Jr. /JL  
James F. Hobby, Jr., District Utilities Engineer

TO David Griffith, District Preconstruction Engineer  
Attention: George Brewer

SUBJECT Utility Cost Estimate - State Route 15 - From MP 14.22 to MP 14.46 in the city of Sandersville

A Utility Cost Estimate has been completed for the subject location. This estimate was prepared using proposed concept layouts provided to this office by George Brewer and an on-site inspection by James F. Hobby, Jr. and Jamie Lindsey. Additional information was provided by Mike McLester and William Swint, City of Sandersville and Forrest H. Bloodworth, BellSouth Telecommunications, Inc.

POWER  
*City of Sandersville*

Relocate 8 distribution poles @ \$2000.00 each	\$ 16,000.00
Relocate 1200 Lin. Ft. of fiber optic communication cable @ \$ 6.00/ft.	\$ 7,200.00

WATER  
*City of Sandersville*

Relocate 620 Lin. Ft. of 6" cast iron water main @ \$19.00 per ft.	\$ 11,780.00
Relocate 3 Fire Hydrants @ \$750.00 each	\$ 2,250.00
Relocate 7 existing water meters, incl. box @ \$466.00 each	\$ 3,262.00
Relocate 8 existing water valves, incl. box @ \$900.00 each	\$ 7,200.00

TELEPHONE  
*BellSouth Telecommunications, Inc.*

Relocate approx. 1200 Lin. Ft. of aerial cable @ \$ 5.00 per ft.	\$ 6,000.00
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BellSouth also has a vault located under the existing southbound lane of State Route 15. Since the facility is located inside the existing right of way, it is not eligible for reimbursement.

# RIGHT OF WAY COST BREAKDOWN SHEET

**PROJECT:** PESTP0000-00418 Washington

**P. I. No:**

**No. of Parcels:** 9

**Project Description:** Widening of S.R. 15

**Date:**

<b>Land:</b>	Residential @	N/A	
	Commercial @ \$78,197.00 to \$284,300.00/Acre	\$68,500.00	
	Industrial @	N/A	\$68,500.00
<b>Improvements:</b>	Single family residences	N/A	
	Commercial buildings	N/A	
	Signs, landscaping, lights & Sprinkler System	\$54,000.00	\$54,000.00
<b>Relocation:</b>	Residential @	N/A	
	Business @	N/A	
<b>Damages:</b>	Proximity	\$25,000.00	\$25,000.00
	Wetland replacement		
	<b>Estimated Cost of Right of Way</b>		<b>\$147,500.00</b>
	C/O Condemnation Increase & Legal Cost (50% of R/W)		\$73,750.00
	Fee Appraisal Cost 9@ \$900.00es.		\$8,100.00
	Condemnation Cost (#par x 10% x \$5,500.00)		\$4,950.00
	Incidentals (#par x \$1,500) 9 parcels		\$1,350.00
	<b>Net Cost</b>		<b>\$235,650.00</b>
	<b>Inflation (10% rural; 25% urban)</b>		<b>\$58,913.00</b>

**TOTAL COST                    \$ 294,563.00 Rounded**  
**\$ 300,000.00**

Prepared by: Brenda Moment