

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0007415, Washington County **OFFICE** Preconstruction
CSSTP-0007-00(415)
Intersection Improvements- **DATE** November 8, 2007
SR 242 at CR 210/Waco Mill Road and CR 659/Hospital Rd

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO  SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Angela Alexander
Paul Liles
Tony Collins
George Brewer
BOARD MEMBER

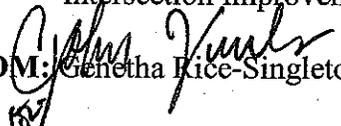
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0007415, Washington County
CSSTP-0007-00(415)
SR 242 at CR 210/Waco Mill Road and CR 659/Hospital Rd-
Intersection Improvements

OFFICE: Preconstruction

DATE: October 18, 2007

FROM:  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO:  Gerald M. Ross, P.E., Chief Engineer

SUBJECT: PROJECT CONCEPT REPORT

This project is the intersection improvements at SR 242 at CR 210/Waco Mill Road and CR 659/Hospital Road in the city of Sandersville. State Route 242, CR 210 and CR 589 are rural roadways, each consisting of two, 12' lanes and rural shoulders with a posted speed of 45 MPH. Washington County Board of Education has purchased land along CR 67/Ridge Road to build a new school which will combine four area schools into one facility. This will generate an additional 43 school buses and will house approximately 1500 students. Accident data for the years 2000 through 2005 indicate that there have been 26 angle intersecting accidents, 26 rear end accidents, 8 sideswipe accidents and 4 head-on collisions along this portion of SR 242. This intersection is complicated by the presence of a railroad crossing in the middle of the intersection combined with a lack of storage space for vehicles attempting to cross SR 242. The crossing has warning devices but no gates. This situation creates an unsafe area for turning vehicles and school buses. Projected traffic volumes for this section of SR 242 are 4300 VPD in the year 2014 and 5700 VPD for the design year 2034.

The proposed project will realign and improve the existing intersection to form one intersection. CR 210/Waco Mill Road will be realigned to the west to the CS 589/East Church Street intersection and CS 659/Hospital Road will be realigned to the east to the CR 67/Ridge Road intersection. Left turn lanes and auxiliary lanes will be provided on SR 242 at both intersections. All improvements will meet the design speed of 45 MPH for SR 242, CS 659, CR 210 and 55 MPH for CR 67. Traffic will be maintained via staging during construction.

Environmental concerns include requiring a Categorical Exclusion will be prepared; a Public hearing is not required; Time saving procedures is appropriate.

P.I. No. 0007415, Washington County
October 26, 2007

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C)	\$ 1,880,000	\$ 2,331,000	L200	2011
Right-of-way	\$ 1,114,000	\$ 1,114,000	L200	2009
Utilities*	\$ 756,000			

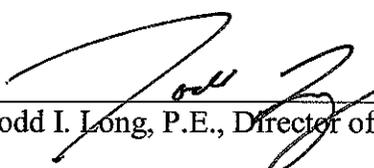
*Sandersville and Washington County signed PFA for utilities

I recommend this project concept be approved.

^{MM}
GRS: JDQ

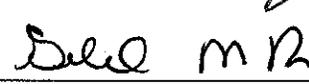
Attachment

CONCUR



Todd I. Long, P.E., Director of Preconstruction

APPROVED



Gerald M. Ross, P.E., Chief Engineer

Radney Dave

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSSTP-0007-00(415) Washington **OFFICE:** Engineering Services
P.I. No. 0007415
S.R. 242 at Waco Mill Road

DATE: September 25, 2007

FROM: Brian K. Summers, P.E., Project Review Engineer *REW*

TO: Genetha Rice Singleton, Assistant Director of Preconstruction

SUBJECT: CONCEPT REPORT

We have reviewed the Concept Report dated September 17, 2007 and have no comments:

The costs for this project are:

Construction	\$1,708,916
E & C	\$170,892
Reimbursable Utilities	\$755,313
Right of Way	\$1,114,000

RECEIVED

REW

SEP 25 2007

c: Anthony Collins, Attn: Alan Smith

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT**

District Two Design Office

Project Number: *CSSTP-0007-00 (415)*

County: *Washington*

P. I. Number: *0007415*

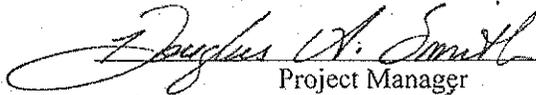
Federal Route Number: *None*

State Route Number: *242*

County Road Number: *CR 210 / CS 659*

Recommendation for approval:

DATE *9-17-07*


Project Manager

DATE *9/17/07*


District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

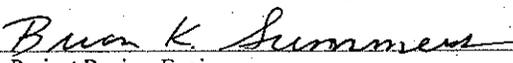
DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE *9/25/07*

 *RLW*
Project Review Engineer

DATE _____

State Bridge & Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT

District Two Design Office

Project Number: CSSTP-0007-00 (415)

County: Washington

P. I. Number: 0007415

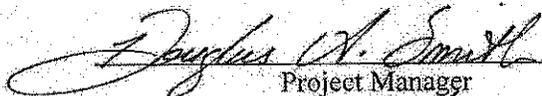
Federal Route Number: None

State Route Number: 242

County Road Number: CR 210 / CS 659

Recommendation for approval:

DATE 9-17-07


Project Manager

DATE 9/19/07

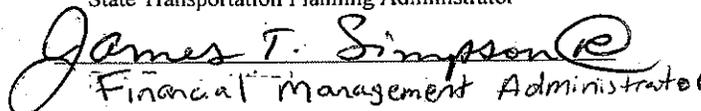

District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE 9-24-07


Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT**

District Two Design Office

Project Number: *CSSTP-0007-00 (415)*

County: *Washington*

P. I. Number: *0007415*

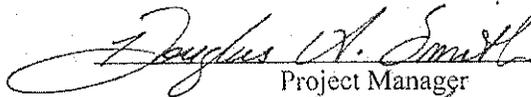
Federal Route Number: *None*

State Route Number: *242*

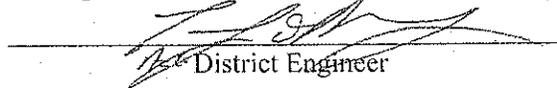
County Road Number: *CR 210 / CS 659*

Recommendation for approval:

DATE *9-17-07*


Project Manager

DATE *9/19/07*


District Engineer

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

DATE *9/26/07*


State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT**

District Two Design Office

Project Number: *CSSTP-0007-00 (415)*

County: *Washington*

P. I. Number: *0007415*

Federal Route Number: *None*

State Route Number: *242*

County Road Number: *CR 210 / CS 659*

Recommendation for approval:

DATE 9-17-07


Project Manager

DATE 9/17/07


District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE 9-19-07


State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT

District Two Design Office

Project Number: CSSTP-0007-00 (415)

County: Washington

P. I. Number: 0007415

Federal Route Number: None

State Route Number: 242

County Road Number: CR 210 / CS 659

Recommendation for approval:

DATE 9-17-07


Project Manager

DATE 9/19/07

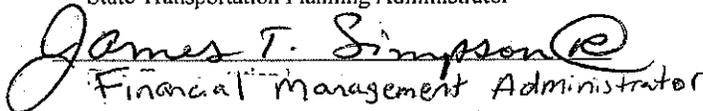

District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE 9-24-07


Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Design Engineer

SCORING RESULTS AS PER MOG 2440-2

Project Number: CSSTP-0007-00(415)		County: Washington		PI No.: 0007415	
Report Date: September 17, 2007		Concept By: DOT Office: District 2			
<input checked="" type="checkbox"/> Concept Stage		Consultant: N/A			
Project Type: Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input type="checkbox"/> Bridge Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input checked="" type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation	100				
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

NOTICE OF LOCATION AND DESIGN APPROVAL

CSSTP-0007-00 (415) Washington County
P.I. # 0007415

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

The date of location and design approval was NOVEMBER 8, 2007
Date of Approval

This project consists of intersection improvements on SR 24 at Waco Mill Rd (CR210) and Hospital Rd (CS 659) in the City of Sandersville. Waco Mill Rd (CR 210) will be realigned to the west to the East Church Street (CS 589) intersection and Hospital Rd (CS659) will be realigned to the east to the Ridge Road (CR 67) intersection. This is being done in order to provide separation between the two intersections and the Sandersville Railroad crossing on SR 242. The total project length is 0.91 miles. Traffic will be maintained on the existing roads during construction. Left turn lanes and auxiliary lanes will be provided on SR 242 at both intersections.

Drawings of the proposed project are on file and are available for inspection at the Georgia Department of Transportation.

Christopher Holmes
Christopher.Holmes@dot.state.ga.us
424 Industrial Drive
Sandersville, Georgia 31082

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:

GEORGE M. BREWER
PRECONSTRUCTION ENGINEER
P.O. BOX 8
TENNILLE, GEORGIA 31089
478-552-4629

Any written request or communication in reference to this project **SHOULD** include the Project and PI numbers as noted at the top of this notice.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT**

District Two Design Office

Project Number: *CSSTP-0007-00 (415)*

County: *Washington*

P. I. Number: *0007415*

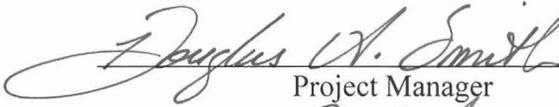
Federal Route Number: *None*

State Route Number: *242*

County Road Number: *CR 210 / CS 659*

Recommendation for approval:

DATE *9-17-07*


Project Manager

DATE *9/17/07*


District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

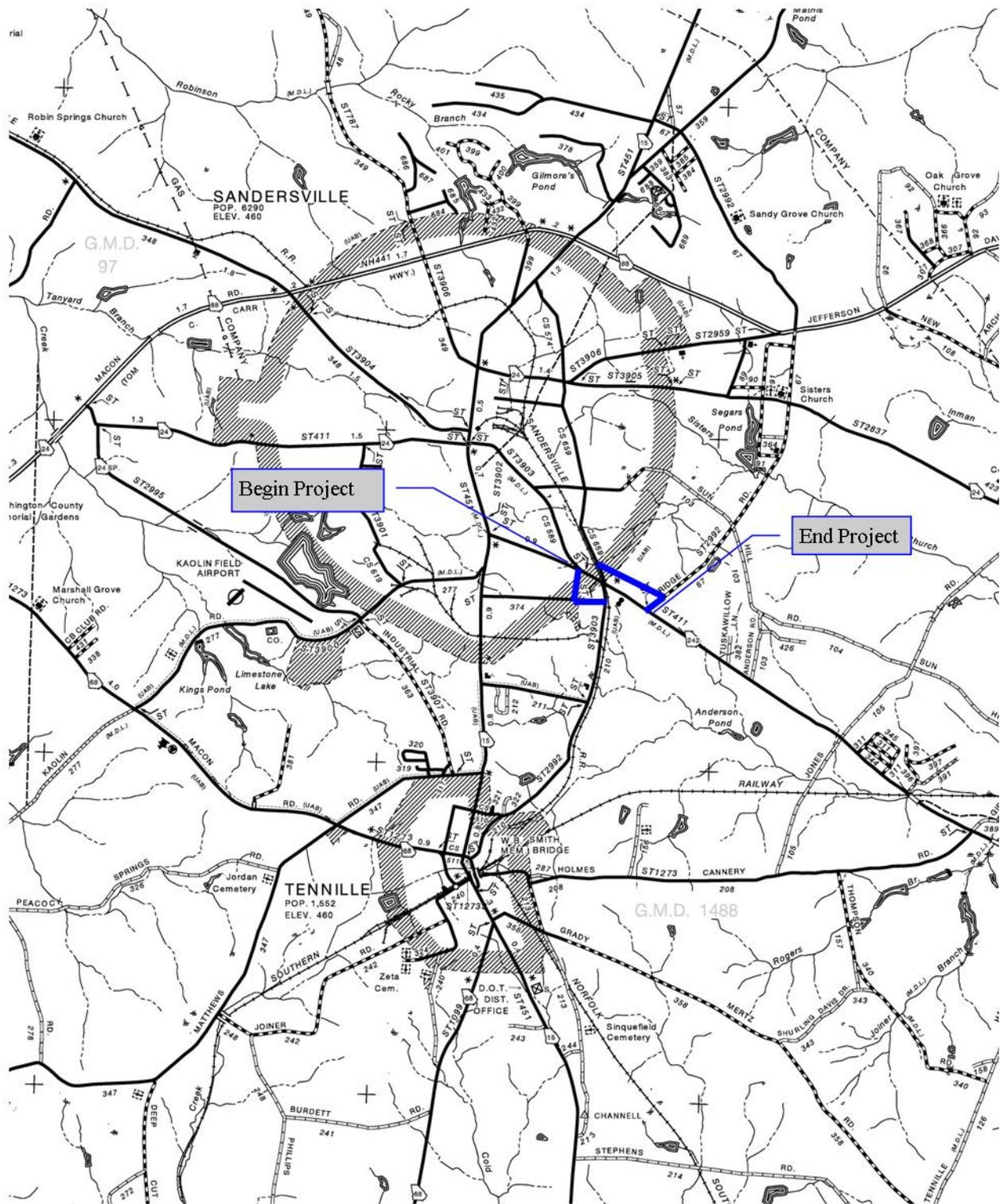
State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Design Engineer



Need and Purpose: *See Attached Need and Purpose Statement.*

Description of the proposed project: *This project consists of intersection improvements on SR 24 at CR 210 / Waco Mill Rd and CS 659 / Hospital Rd in the City of Sandersville. This project will realign both CR 210 and CS 659 to intersect at CS 589 / East Church Street and CR 67 / Ridge Road in order to provide adequate separation between the two intersections as well as remove both CR 210 and CS 659 from the area of the Sandersville Railroad Company railroad crossing on SR 242.*

Is the project located in a Non-attainment area? Yes No

PDP Classification: Minor Major

Federal Oversight: Full Oversight , Exempt , State Funded , or Other

Functional Classification: *SR 242 - Minor Arterial
CR 210 / Waco Mill Rd - Collector Street
CS 659 / Hospital Rd - Local Road*

U. S. Route Number(s): *None* **State Route Number(s):** *242*
County Road Number(s): *CR 210 / CS 659*

Traffic (AADT):
Current Year: *4300 (2014)* Design Year: *5700 (2034)*

Existing design features:

- Typical Section: *SR 242: 1 - 12-ft travel lane in each direction with 6-ft. rural shoulders
CR 210: 1 - 12-ft. travel lane in each direction with 4-ft. rural shoulders
CS 659: 1 - 12-ft. travel lane in each direction with 4-ft. rural shoulders*
- Posted speed: *SR 242: 45MPH, CR 210: 45MPH, CS 659: 45MPH*
- Minimum Radii of curvature: *SR 242: 3820-ft, CR 210: 1910-ft, CS 659: 5730-ft.*
- Maximum grade: *SR 242: 4%, CR 210: 4%, CS 659: 4%*
- Width of right of way: *SR 242: 80-100-ft., CR 210: 60-ft., CS 659: 80-ft.*
- Major structures: *None*
Sufficiency Rating: NA
- Major interchanges or intersections along the project: *None*
- Existing length of roadway: *0.91 miles*

Proposed Design Features:

- Proposed typical section(s):
 - SR 242: 1 - 12-ft. travel lane in each direction with a 12-ft. left turn lane at the new intersections of CR 210 and CR 67 / Ridge Road. The shoulders will be 10-ft. grassed with 4-ft. paved each. Auxiliary lanes will be provided at pertinent side road locations.*
 - CR 210 Relocation: 1 - 12-ft. travel lane in each direction with 10-ft. grassed shoulders each side with a 12-ft. left turn lane at the intersections of SR 242 and CR 374 / Industrial drive*
 - CS 659: 1 - 12-ft. travel lane in each direction with a 12-ft. left turn lane provided at the intersections of CR 67 / Ridge Road and SR 242) - Auxiliary lanes will be provided at intersections in accordance with current GDOT policy.*
- Proposed Design Speed Mainline: *SR 242: 45MPH, CS 659: 45MPH, CR 210: 45MPH, CR 67: 55MPH*
- Proposed Maximum grade Mainline: *4%*
- Maximum grade allowable Mainline: *6%*
- Proposed Maximum grade Side Street: *4%-5%*
- Maximum grade allowable on Side Streets: *8%*
- Proposed Maximum grade driveway: *11%*
- Proposed Maximum degree of curve: *2865-ft Radius or 2^00' curve*
- Maximum degree allowable: *643-ft Radius or 8^45'*
- Right of way
 - Width: *SR 242: Varies 80-100-ft., CR 67: 80-ft, CR 210: 60-ft, CS 659: 60-ft.*
 - Easements: Temporary , Permanent , Utility , Other .
 - Type of access control: Full , Partial , By Permit , Other .
 - Number of parcels: *14* Number of displacements: *0*
 - Business: *0*
 - Residences: *0*
 - Mobile homes: *0*
 - Other: *0*
- Structures:
 - Bridges: *None*
 - Retaining walls: *None*
- Major intersections and interchanges: *None*
- Traffic control during construction: *Traffic will be maintained on the existing alignments during construction.*
- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ROADWAY WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SHOULDER WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL GRADES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CROSS SLOPES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOPPING SIGHT DISTANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SUPERELEVATION RATES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HORIZONTAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEED DESIGN:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- Design Variances: *None Anticipated.*
- Environmental concerns: *Sandersville Railroad may be historic. There is one known historic property (The Landsdell Property) which is on the NRHP. There may be some minor wetland involvement. There are 2 stream crossings.*
- Anticipated Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes , No ,
 - Categorical exclusion ,
 - Environmental Assessment/Finding of No Significant Impact (FONSI) , or
 - Environmental Impact Statement (EIS) .
- Utility involvements:
 - Telephone - *BellSouth Telecommunications, Inc.*
 - Power – *Georgia Power Company, MEAG, City of Sandersville*
 - Water – *City of Sandersville*
 - Sewer – *City of Sandersville*
 - Gas – *Atlanta Gas Light Company*
 - Cable TV – *Northland Cable TV*

Project responsibilities:

- Design: *GDTO - District 2*
- Right of Way Acquisition: *GDOT - District 2*
- Relocation of Utilities: *GDOT - District 2*
- Letting to contract: *GDOT - Contracts Administration*
- Supervision of construction: *GDOT - Sandersville AE Office*
- Providing material pits: *In Contract*
- Providing detours: *In Contract*

Coordination

- Concept meeting date: *9-14-07*
- P. A. R. meetings: *None Required*
- FEMA, USCG, and/or TVA: *None*
- Public involvement: *None*
- Local government commitments: *The local government will be asked to relocate their utility facilities at their cost.*
- Other projects in the area: *231660 Washington County, 245080 and 245090 Washington County*

Scheduling – Responsible Parties’ Estimate

- Time to complete the environmental process: *1 Yr*
- Time to complete preliminary construction plans: *1 Yr 6 Mo*
- Time to complete right of way plans: *6 Mo*
- Time to complete the Section 404 Permit: *1 Yr*
- Time to complete final construction plans: *6 Mo*
- Time to complete to purchase right of way: *1 Yr*

Other alternates considered:

1. *Alternate "B" - An alternate was considered to realign CR 210 across CR 374 to SR 242 approximately 425-ft west of it's current location, then cross Sandersville Railroad on new alignment, and intersect CS 659 with a "T" Intersection. Then, the existing intersection of CS 659 and SR 242 could be removed. This was found to be unfeasible due to the construction of a new railroad crossing with Sandersville Railroad Company who did not support this alternate because it would create an additional railroad crossing.*

Comments: *This office recommends approval of this report as written.*

The Washington County Board of Education intends to build a new school complex on CR 67 near the intersection of CR 67 and SR 242. They are currently coordinating with the State Aid office to participate in a State Aid contract to construct turn lanes into the new school and provide left turn lanes on CR 67 and SR 242 which is located within this project's limits.

Attachments:

1. Need & Purpose
2. Traffic Data
3. Cost Estimates:
 - a. Construction including E&C
 - b. Right of Way Estimate
 - c. Utility Estimate
4. Typical Sections
5. Location and Design Notice

Need and Purpose Statement

Project: CSSTP-0007-00 (415)

P.I. #: 0007415

Washington County

**Intersection improvements on SR 242 at CR 210 / Waco Mill Rd and CS 659 /
Hospital Rd**

Location / Background:

This project is located in the City of Sandersville in Washington County. This project begins on SR 242 just west of East Church Street (CS 589) at MP. 4.10 and continues east to just east of Ridge Road (CR 67) at MP 5.01. This portion of SR 242 becomes congested at peak traffic flow times and several accidents have occurred at the intersection of SR 242 at Waco Mill Road (CR 210) / Hospital Rd (CS 659). This intersection is complicated by the presence of a railroad crossing in the middle of the intersection combined with a lack of storage space for vehicles attempting to cross SR 242. This project originated in order to correct these deficiencies and make this intersection safer by separating the two streets further away from the railroad crossing and providing storage space for vehicles.

Functional Classification:

SR 242 – Rural Minor Arterial

CR 210 – Collector Street

CS 659 – Local Road

Roadway Characteristics:

SR 242 is comprised of 1 – 12-ft. travel lane in each direction with 5-ft. grassed shoulders each side. The horizontal alignment is relatively straight tangent sections with curves of approximately 2865-ft radii. It runs in a West to East direction. The vertical alignment is adequate with grades ranging from 2% to 4%. The roadway slopes are relatively flat with no erosion present. Land use in the area of the project is comprised of a mixture of residential, commercial and educational uses. There are scattered areas of non developed areas comprised of planted pines and farmland. There is a railroad crossing located at the intersection of SR 242 Waco Mill Rd (CR 210) and Hospital Road (CS 659). The crossing belongs to Sandersville Railroad and it is signalized but no cross-bucks are installed.

Travel Demand and Operational Conditions:

SR 242 has a traffic volume predicted of 4300 vehicles per day for 2014 with a projected 5700 vehicles per day in 2035. SR 242 is a primary route between the City of Sandersville and the City of Riddleville. The vehicles that use this route include tractor-trailors, school buses, lightweight cars and trucks and emergency vehicles. SR 242 currently operates on a Level of Service of “C” during peak traffic flow times in the 2014 year and a Level of Service of “D” for the design year of 2034. There is a future GDOT project (P.I. # 231660) to widen this portion of SR 242 to 2-12-ft. travel lanes in each direction with a 14-ft. flush median and urban shoulder. This project construction will be designed to be incorporated into the design of that project.

Accident data has been reviewed for this portion of roadway for the years of 2000 through 2005. This data indicates that there have been 26 angle intersecting accidents, 26 rear end accidents, 8 sideswipe accidents and 4 head-on collisions along this portion of SR 242 with the majority of these accidents occurring at the intersection of SR 242 and Hospital Rd (CS 659) and Waco Mill Rd (CR 210) at Sandersville Railroad. This is a total of 64 accidents in a 5 year time frame.

This side of the City of Sandersville is currently experiencing growth with the addition of an industrial development and educational facility expansion on Ridge Rd (CR 67). Washington County Board of Education has purchased land along CR 67 to build a new school near the intersection of SR 242 at Ridge Road (CR 67) which will combine 4 area schools into one facility. This will generate an additional 43 school buses and will house approximately 1500 students. This will increase the volume of both pedestrian traffic as well as vehicular traffic between Ridge Rd (CR 67) and the High School.

Also, the railroad crossing of Sandersville Railroad and SR 242 is located in the middle of a diagonal street intersection with Hospital Rd (CS 659) and Waco Mill Road (CR 210). This crossing has warning devices but no gates to deter traffic from attempting to “beat the train”. This situation creates an unsafe area for turning vehicles and school buses entering this area.

Logical Termini:

The logical termini for this project are logical based on the length of roadway needed to improve the safety and function ability of SR 242 at CR 210 / CS 659. The ability to improve the angle of the intersection to a 90 degree angle to SR 242 is severely hampered by the presence of the railroad crossing diagonally between the 2 roadways. Therefore, the intersection must be split into 2 separate intersections at logical locations to provide adequate distance from the railroad crossing. The logical intersections are East Church Street (CS 210) and Ridge Road (CR 67) because both of these intersections are the next traffic generators along SR 242 from the current intersection east and west.

The intersection of Waco Mill Rd (CR 210) will be relocated to the intersection of East Church Street (CS 589) approximately 1253-ft west of its current location. This will align Waco Mill Rd and E. Church Street directly across from each other and provide adequate distance from the railroad crossing to build turn lanes and auxiliary lanes onto Waco Mill Rd (CR 210).

The intersection of Hospital Road (CS 659) will be relocated to intersect Ridge Road (CR 67) where vehicles can get access to SR 242 along Ridge Rd (CR 67). This will provide adequate separation from the railroad crossing to construct the needed turn lanes and auxiliary lanes onto Ridge Rd (CR 67). **Note: The Washington County Board of Education is currently coordinating a state aid contract with GDOT to construct these turn lanes once the school is constructed.**

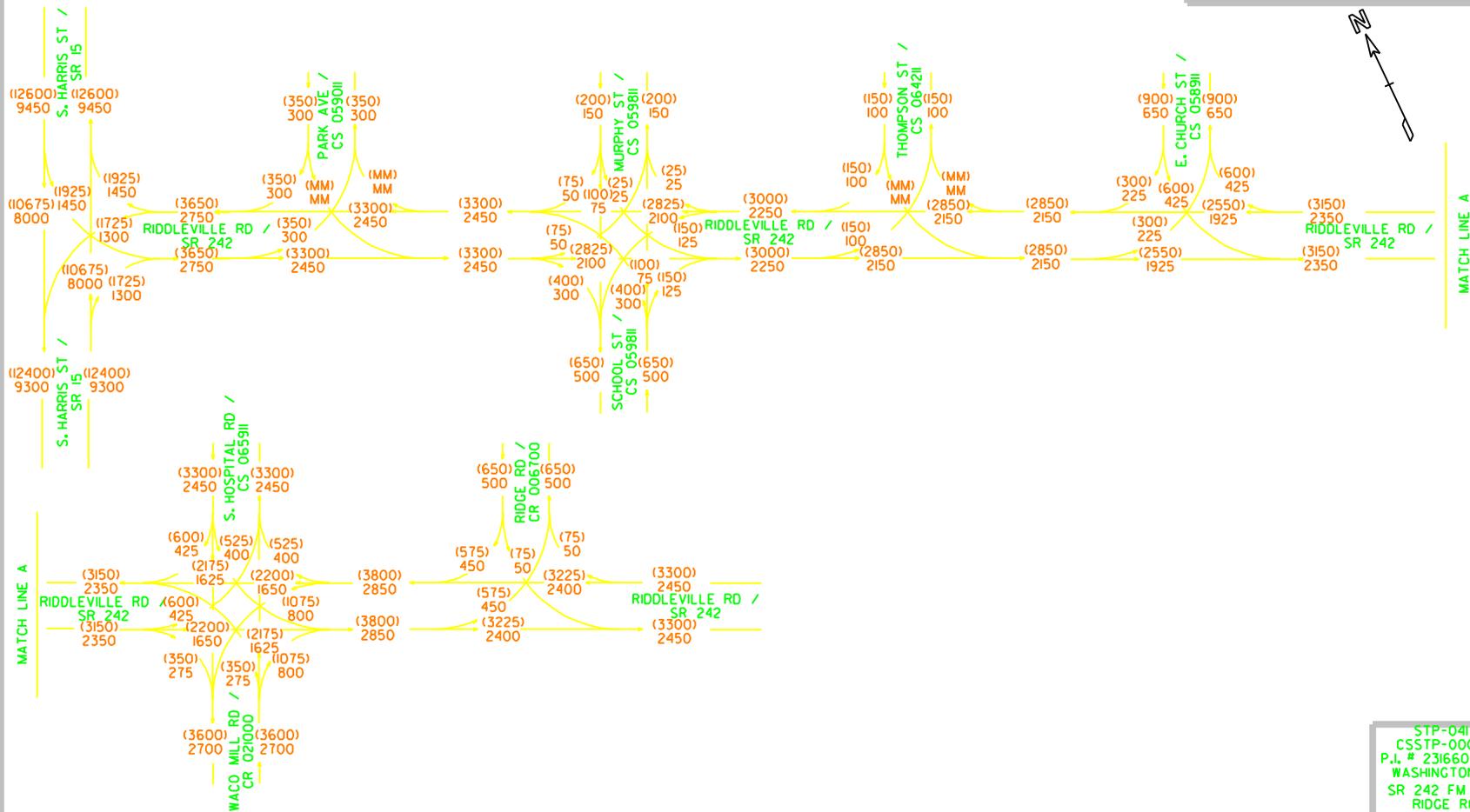
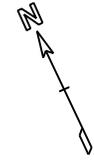
Project Need and Purpose:

The need exist to improve the safety and functional operation of the intersection of SR 242 and Waco Mill Rd (CR 210) and Hospital Rd. (CS 659). The purpose of this project is to accomplish this task by separating the intersection of SR 242 at CR 210 / CS 659 into 2 intersections located further from the existing Sandersville Railroad crossing.

Left turn lanes will be provided on SR 242 to the newly relocated streets and roads reducing the amount of rear end, sideswipe, and head on collisions on SR 242, larger radii will be constructed to allow school bus and log truck traffic to clear the roadway more efficiently, auxiliary right turn lanes will be constructed to clear the travel lanes of right turn vehicles. All of this work combined will improve the overall level of service for this portion of SR 242 to an A in 2014 as well as 2034.

WASHINGTON COUNTY

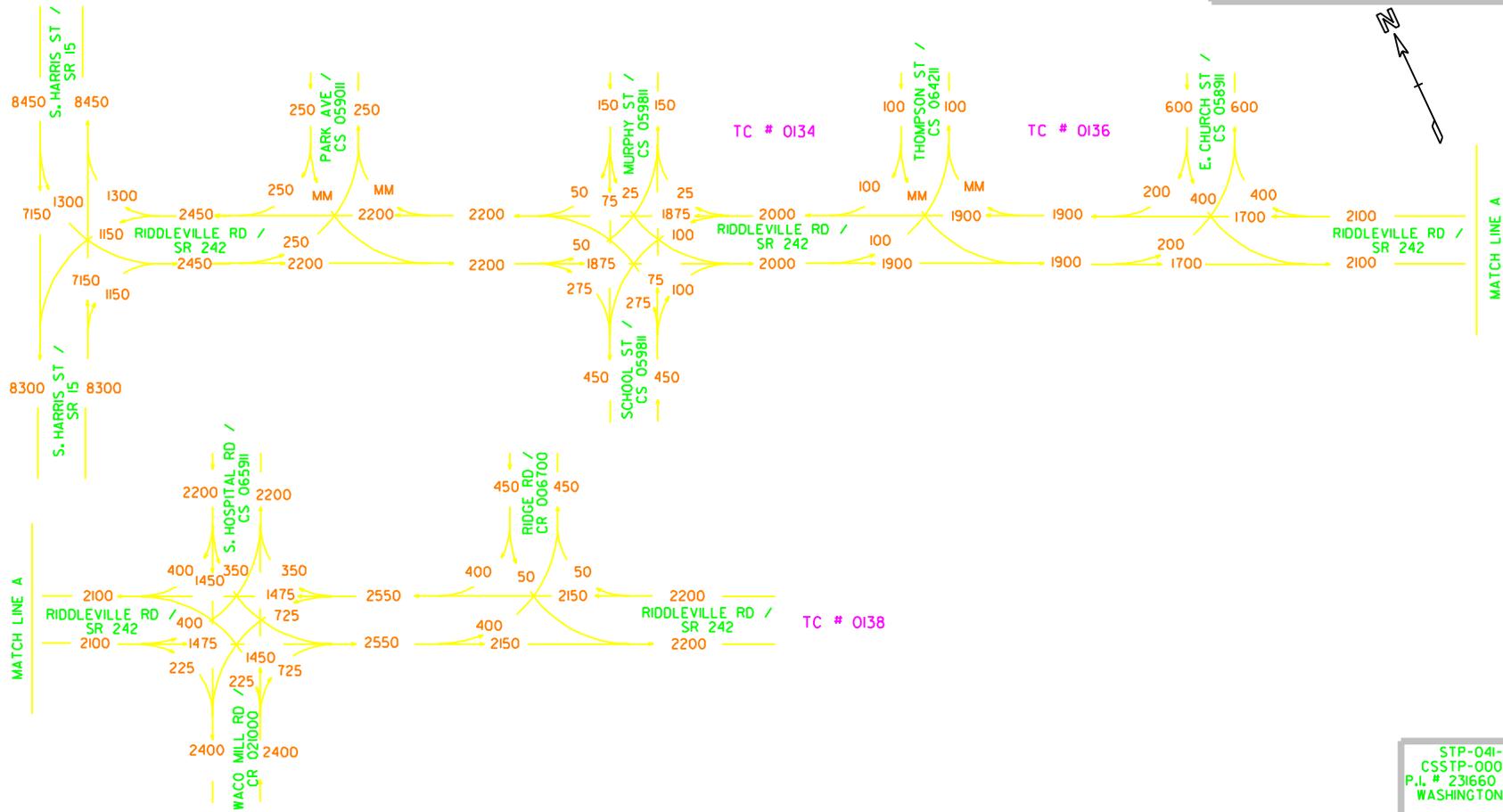
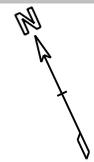
GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF ENVIRONMENT/LOCATION



STP-041-(12) &
CSSTP-0007-00(415)
P.I. # 231660 & 0007415
WASHINGTON COUNTY,
SR 242 FM SR 15 TO
RIDGE ROAD IN
SANDERSVILLE / SR 242
@ CR 210 & CS 659
2034 ADT = 1000
2014 ADT = 000
24 HR T = 7.0%
S.U. = 6.0% AMW
COMB. = 1.0% 07/87

WASHINGTON COUNTY

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF ENVIRONMENT/LOCATION



STP-041-K211 &
CSSTP-0007-00(415)
P.I. # 231660 & 0007415
WASHINGTON COUNTY.
SR 242 FM SR 15 TO
RIDGE ROAD IN
SANDERSVILLE / SR 242
@ CR 210 & CS 659
2007 EXISTING AMW
TRAFFIC 07/07

Estimate Report for file "0007415"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	75000.00	TRAFFIC CONTROL -	75000.00
201-1500	1	LS	30000.00	CLEARING & GRUBBING -	30000.00
205-0001	13600	CY	5.26	UNCLASS EXCAV	71536.00
206-0002	62008	CY	6.23	BORROW EXCAV, INCL MATL	386309.84
207-0203	138	CY	60.38	FOUND BKFILL MATL, TP II	8332.44
310-1101	9665	TN	18.23	GR AGGR BASE CRS, INCL MATL	176192.95
318-3000	375	TN	18.96	AGGR SURF CRS	7110.00
402-1812	988	TN	75.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	74100.00
402-3121	2032	TN	75.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	152400.00
402-3131	2082	TN	75.00	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	156150.00
402-3190	847	TN	75.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	63525.00
413-1000	1490	GL	2.08	BITUM TACK COAT	3099.20
446-1100	4800	LF	5.35	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	25680.00
456-2015	1	GLM	806.90	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	806.90
500-3101	78	CY	650.00	CLASS A CONCRETE	50700.00
500-3201	10	CY	550.12	CLASS B CONCRETE, RETAINING WALL	5501.20
511-1000	4359	LB	0.95	BAR REINF STEEL	4141.05
550-1180	428	LF	43.43	STORM DRAIN PIPE, 18 IN, H 1-10	18588.04
550-1240	80	LF	54.80	STORM DRAIN PIPE, 24 IN, H 1-10	4384.00
550-2180	396	LF	37.15	SIDE DRAIN PIPE, 18 IN, H 1-10	14711.40
550-3518	24	EA	909.47	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	21827.28
550-3618	22	EA	699.01	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	15378.22
550-4224	4	EA	835.42	FLARED END SECTION 24 IN, STORM DRAIN	3341.68
610-9099	2	LS	7171.73	REM WINGWALLS & PARAPETS, STA -	14343.46
634-1200	21	EA	105.83	RIGHT OF WAY MARKERS	2222.43
641-1200	425	LF	18.24	GUARDRAIL, TP W	7752.00
641-5001	2	EA	647.31	GUARDRAIL ANCHORAGE, TP 1	1294.62
641-5012	2	EA	1815.35	GUARDRAIL ANCHORAGE, TP 12	3630.70
999-0001	1	Lump Sum	125000.00	INSTALL RAILROAD GATES, LIGHTS AND BELLS	125000.00
Section Sub Total:					\$1,523,058.41

Section EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2181	80	SY	44.84	STN DUMPED RIP RAP, TP 3, 18 IN	3587.20
603-7000	80	SY	4.98	PLASTIC FILTER FABRIC	398.40
700-6910	16	AC	987.28	PERMANENT GRASSING	15796.48
700-7000	24	TN	61.37	AGRICULTURAL LIME	1472.88
700-7010	60	GL	20.24	LIQUID LIME	1214.40
700-8000	18	TN	350.95	FERTILIZER MIXED GRADE	6317.10
700-8100	1582	LB	2.25	FERTILIZER NITROGEN CONTENT	3559.50
716-1000	4000	SY	1.22	EROSION CONTROL MATS, WATERWAYS	4880.00
Section Sub Total:					\$37,225.96

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	8	AC	604.06	TEMPORARY GRASSING	4832.48
163-0240	239	TN	180.48	MULCH	43134.72
163-0300	4	EA	2465.64	CONSTRUCTION EXIT	9862.56
163-0520	500	LF	17.18	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	8590.00
163-0523	30	EA	250.00	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS - TYPE C SILT FENCE	7500.00
163-0530	1200	LF	3.83	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	4596.00
165-0010	2000	LF	1.05	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	2100.00
165-0030	1500	LF	1.91	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	2865.00
165-0040	30	EA	83.42	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	2502.60

165-0070	1200	LF	2.25	MAINTENANCE OF BALED STRAW EROSION CHECK	2700.00
167-1000	2	EA	1352.63	WATER QUALITY MONITORING AND SAMPLING	2705.26
167-1500	12	MO	1051.37	WATER QUALITY INSPECTIONS	12616.44
171-0010	4000	LF	2.10	TEMPORARY SILT FENCE, TYPE A	8400.00
171-0030	3000	LF	4.11	TEMPORARY SILT FENCE, TYPE C	12330.00
Section Sub Total:					\$124,735.06

Section SIGNING - MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1033	146	SF	19.34	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	2823.64
636-2070	56	LF	8.25	GALV STEEL POSTS, TP 7	462.00
636-2080	84	LF	11.12	GALV STEEL POSTS, TP 8	934.08
652-0120	14	EA	41.21	PAVEMENT MARKING, ARROW, TP 2	576.94
652-5451	14000	LF	0.21	SOLID TRAFFIC STRIPE, 5 IN, WHITE	2940.00
652-5452	16000	LF	0.19	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	3040.00
652-5701	88	LF	3.00	SOLID TRAF STRIPE, 24 IN, WHITE	264.00
652-6501	600	GLF	0.21	SKIP TRAFFIC STRIPE, 5 IN, WHITE	126.00
652-6502	400	GLF	0.10	SKIP TRAFFIC STRIPE, 5 IN, YELLOW	40.00
652-9001	400	SY	2.21	TRAFFIC STRIPE, WHITE	884.00
652-9002	960	SY	2.96	TRAFFIC STRIPE, YELLOW	2841.60
654-1001	1223	EA	3.64	RAISED PVMT MARKERS TP 1	4451.72
654-1003	1223	EA	3.69	RAISED PVMT MARKERS TP 3	4512.87
Section Sub Total:					\$23,896.85

Total Estimated Cost: \$1,708,916.28

Subtotal Construction Cost	\$1,708,916.28
E&C Rate 10.0 %	\$170,891.63
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
<hr/>	
Total Construction Cost	\$1,879,807.91
Right Of Way	\$1,114,000.00
ReImb. Utilities	\$755,313.00
<hr/>	
Grand Total Project Cost	\$3,749,120.91

Preliminary Right of Way Cost Estimate

Date: June 12, 2007

Project: CSSTP – 0007 – 00 (415) Washington Co.

P.I. Number: 007415

Existing/Required R/W: Varies

No. Parcels: 13

Project Termini:

Project Description: Intersection Improvements on SR 242 at Waco Mill / Hospital Rd. in the city of Sandersville.

Land:

Commercial	4.79	Ac.	@ \$ 50,000	/Ac. = \$239,500	
Industrial	0.19	Ac.	@ \$ 9,000	/Ac. = \$ 1,710	
Residential	0.52	Ac.	@ \$14,000	/Ac. = \$ 7,280	
Agricultural	7.24	Ac.	@ \$ 3,000	/Ac. = \$ 21,720	
TOTAL					<u>\$270,210</u>

Improvements:

Curbing, paving, signs, Fencing and site improvements

\$ 35,650

Commercial @ \$25,000/parcel = \$
 Residential @ \$40,000/parcel = \$ N/A

TOTAL

\$ N/A

Damages:

Cost to Cure - \$ 15,000

TOTAL

\$ 15,000

SUB-TOTAL:

\$320,860

Net Cost		\$ 320,860
Scheduling Contingency	55 %	\$ 176,473
Adm/Court Cost	60 %	\$ 298,400
Market Appreciation	40 %	<u>\$ 318,293</u>

TOTAL

\$1,114,026

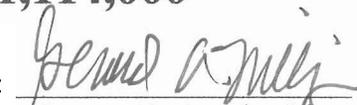
Total Cost

\$1,114,000

Prepared By:



Approved:


 Howard P. Copeland
 R/W Administrator

REVISED: 12-8-06

UTILITY COST ESTIMATE						
PROJECT #	COUNTY	PROJECT DESCRIPTION			P.I. NUMBER	LAYOUT DATE
CSSTP-0007-00(415)	Washington	Intersection Improvements on SR 242 at CR 210/Waco Mill Rd. and CR 659/Hospital Rd.			0007415	5/9/2007
REIMBURSABLE QUANTITY	NON-REIMBURSABLE QUANTITY	UNITS	ITEM DESCRIPTION	UNIT PRICE	REIMBURSABLE	NON-REIMBURSABLE
			POWER		COST	COST
			GEORGIA POWER COMPANY - TRANSMISSION	\$\$\$\$\$\$		
			Georgia Power Company has approximately 14 wooden structures in conflict with this project that will need to be relocated.	\$0.00	\$0.00	\$0.00
14		EA		\$12,500.00	\$175,000.00	\$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
			POWER		\$175,000.00	\$0.00
			WASHINGTON EMC			
			Washington EMC has aerial facilities with in the project limits that should not be eligible for reimbursement.		\$0.00	\$0.00
				\$0.00	\$0.00	\$0.00
				\$0.00	\$0.00	\$0.00
				\$0.00	\$0.00	\$0.00
			POWER		\$0.00	\$0.00
			CITY OF SANDERSVILLE			
			The City of Sandersville has buried and aerial facilities within the project limits that should not be eligible for reimbursement.	\$3,500.00		\$70,000.00
20		EA			\$0.00	\$0.00
					\$0.00	\$0.00
					\$0.00	\$0.00
				\$0.00	\$0.00	\$0.00
			WATER		\$0.00	\$70,000.00
			CITY OF SANDERSVILLE			
			The City of Sandersville has approximately 6521 linear feet of 10" PVC water main in conflict with this project that will need to be relocated.	\$40.30	\$0.00	\$262,796.30
6521		LF		\$0.00	\$0.00	\$0.00
				\$0.00	\$0.00	\$0.00
				\$0.00	\$0.00	\$0.00
					\$0.00	\$262,796.30

			SEWER			
			CITY OF SANDERSVILLE			
5993	LF	The City of Sandersville has approximately 5993 linear feet of 10" PVC sewer line	\$42.71	\$0.00	\$255,961.03	
14	EA	and 14 manholes in conflict with this project that will need to be relocated.	\$4,396.84	\$0.00	\$61,555.76	
			\$0.00	\$0.00	\$0.00	
			\$0.00	\$0.00	\$0.00	
			\$0.00	\$0.00	\$0.00	
			TELEPHONE			
			AT&T			
3168	LF	AT&T has both aerial and underground facilities within the project limits that should be eligible for reimbursement.	\$5.50	\$0.00	\$17,424.00	
			\$0.00	\$0.00	\$0.00	
			\$0.00	\$0.00	\$0.00	
			\$0.00	\$0.00	\$0.00	
			CABLE			
			NORTHLAND CABLE TV			
		Northland Cable has aerial facilities within the project limits that should not be eligible for reimbursement.	\$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	
			MISCELLANEOUS			
			\$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	
TOTAL ESTIMATED UTILITY COSTS				\$175,000.00	\$667,737.09	
Estimate Prepared By: RENAE LAWRENCE - UTILITIES ENGINEER				DATE:	9-Nov-07	
				REVISED:		
				REVISED:		
				REVISED:		

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.

