

ORIGINAL TO GENERAL FILES

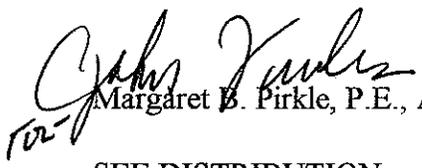
D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** STP-004-3(37) Columbia-Richmond Counties **OFFICE** Preconstruction  
P. I. No. 221790

**DATE** March 19, 2003

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

**TO** SEE DISTRIBUTION

**SUBJECT** PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

David Mulling  
Harvey Keepler  
Jerry Hobbs  
Percy Middlebrooks  
Michael Henry  
Phillip Allen  
Marta Rosen  
Paul Liles  
Ben Buchan  
Mike Thomas  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** STP-004-3(37) Columbia-Richmond Counties **OFFICE** Preconstruction  
P.I. No. 221790

**DATE** February 21, 2003

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

**TO**  Frank L. Danchetz, P.E., Chief Engineer

**SUBJECT PROJECT CONCEPT REPORT**

This project is the widening and reconstruction of SR 10/US 78/US 278 beginning near the City of Harlem and ending at SR 223, for a total of 8.07 miles. This existing roadway consists of two, 12' through lanes with random passing lanes and turning lanes, connecting to an undivided section with four, 12' lanes at the beginning and a divided section with four, 12' lanes at the end. The proposed improvements are needed to accommodate heavy truck traffic and to provide increased regional access to Fort Gordon and the Augusta area. The base year (2008) traffic along this section of SR 10/US 78/US 278 is 7400 VPD. The 20 year (2028) traffic, or design year volume, is 9030 VPD. The posted speed and the design speed are 55 MPH. Without the proposed improvements, this corridor will operate at level-of-service (LOS) "E" by the design year 2028. Widening SR 10/US 78/US 278 will improve operating conditions to LOS "A."

The proposed construction will provide two, 12' lanes in each direction separated by a 44' depressed grassed median with rural shoulders (10' outside with 4' paved, and 6' inside with 2' paved) on 200' minimum proposed right-of-way. The existing railroad bridge will be removed and replaced with a new railroad bridge. Traffic will be maintained during construction.

Environmental concerns include requiring a COE 404 Permit; an Environmental Assessment will be prepared; a public hearing will be held; time saving procedures are not appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$19,628,000	\$19,628,000	LR	LR
Right-of-Way	\$12,588,000	\$12,588,000		
Utilities*	LGPA	LGPA		

Frank L. Danchetz

Page 2

STP-004-3(37) Columbia-Richmond

February 21, 2003

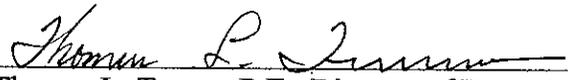
\*Columbia County signed LGPA for utilities 9-17-02; LGPA sent 7-31-02 requesting City of Harlem and Richmond County do utilities.

I recommend this project concept be approved.

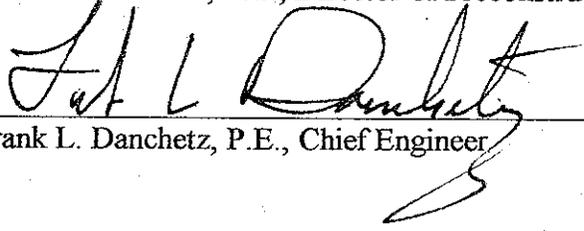
MBP:JDQ/cj

Attachment

CONCUR

  
Thomas L. Turner, P.E., Director of Preconstruction

APPROVE

  
Frank L. Danchetz, P.E., Chief Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-004-3(37) Columbia/Richmond Counties OFFICE Atlanta, Georgia  
U.S. 78/U.S. 278/S.R. 10/ Gordon Highway from  
4-lane in Harlem to S.R. 223  
P. I. Number 221790 DATE January 30, 2003

FROM *James B. Buchan mba*  
James B. Buchan, P. E., State Consultant Design Engineer

TO Meg Pirkle, P.E., Assistant Director of Preconstruction

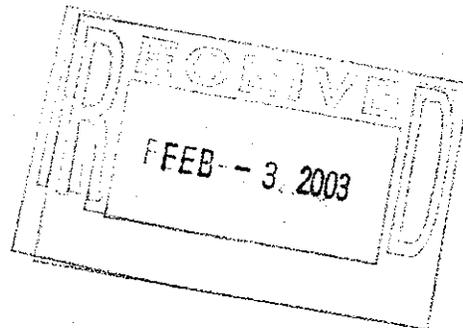
SUBJECT **Proposed Project Concept Report**

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

If there are any questions, please contact Joe Wheeler at (404)657-9759.

<sup>JDW</sup>  
JBB:JDW  
Attachment

cc: Harvey Keeper, w/attachment  
Phillip Allen, w/attachment  
Michael Thomas, w/attachment  
David Mulling, w/attachment  
Marta Rosen, w/attachment  
Paul Liles, w/attachment  
Percy Middlebrooks, w/attachment  
Frank Danchetz  
Thomas L. Turner



January 28, 2003

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF CONSULTANT DESIGN

PROJECT CONCEPT REPORT

PROJECT NUMBER: STP-004-3(37)

P.I. NO.: 221790

COUNTY: Columbia/Richmond

FEDERAL ROUTE NO: US 78 / US 278

STATE ROUTE NO: SR 10

Recommendation for approval:

DATE January 30, 2003

Joseph D. Wheeler  
Project Manager

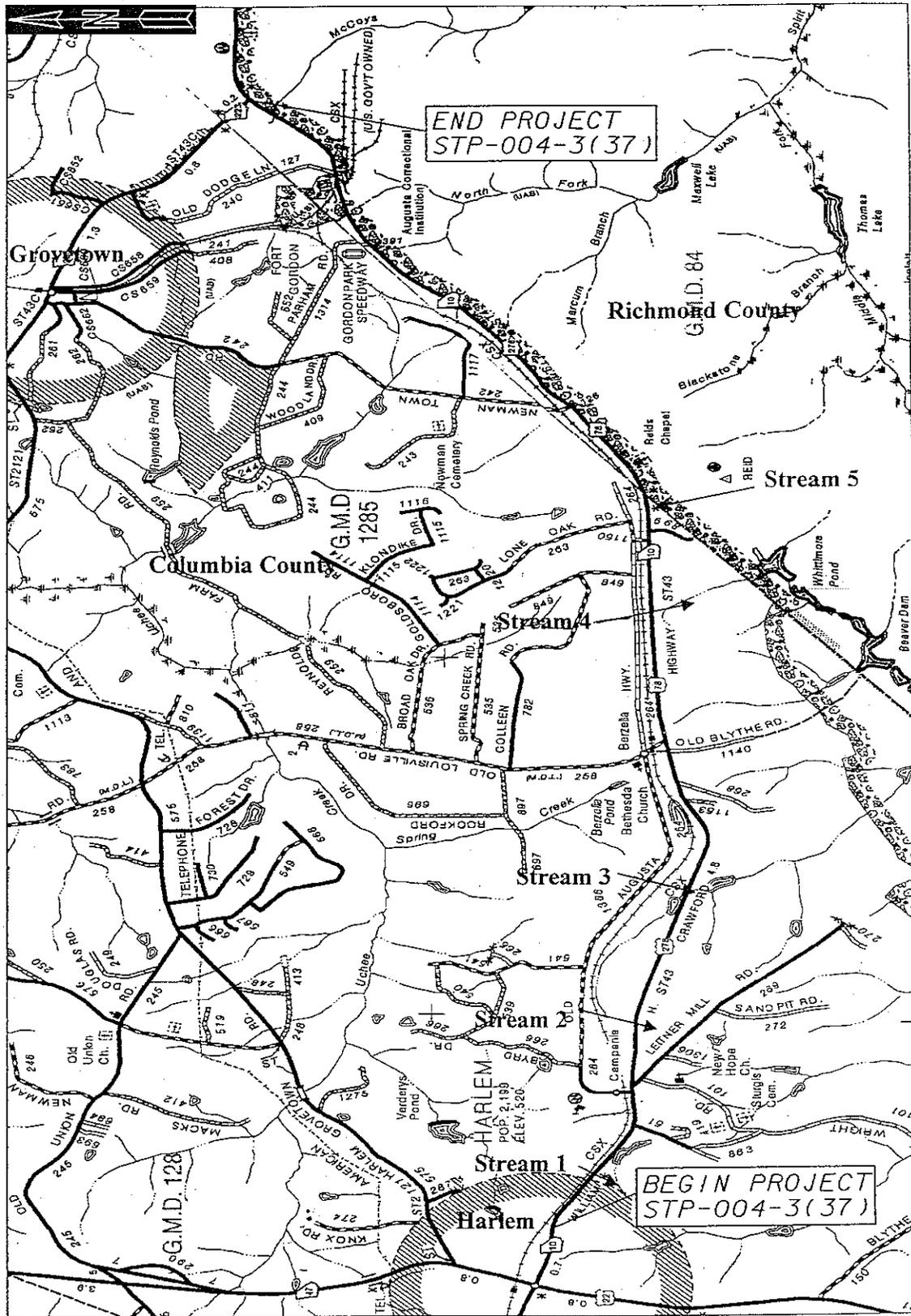
DATE January 31, 2003

James B. Bruhan MBA  
State Consultant Design 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 _____	Financial Management Administrator
DATE _____	State Environmental / Location Engineer
DATE _____	State Traffic Safety and Design Engineer
DATE _____	District Engineer
DATE _____	Project Review Engineer
DATE _____	State Bridge and Structural Design Engineer

### PROJECT LOCATION MAP



Project Concept Report - Page 3  
 Project Number: STP-004-3(37)  
 P.I. Number 221790  
 County: Columbia/Richmond

**Need and Purpose:**

The purpose of this project is to improve the operational capacity and safety along SR 10/US 78/US 278 beginning near the City of Harlem and ending at SR 223. Also, the proposed improvement is needed to accommodate heavy truck traffic and to provide increased regional access to Fort Gordon and the Augusta area. Under project STP-004-3(37), SR 10/US 78/US 278 will be widened to a 4-lane divided roadway with outside shoulders greater than 6 feet in width, from the City of Harlem to SR 223, a distance of 8.07 miles. Land use in the area is mainly rural residential and governmental. Throughout Richmond County, Fort Gordon is along one side of the road. This section of SR 10/US 78/US 278 is not currently a part of either the Statewide Bicycle and Pedestrian Plan or any locally adopted bicycle and pedestrian plan.

The accident rates along SR 10/US 78/US 278 did not exceed statewide averages in 1995, 1996, and 1997. The fatality rates along SR 10/US 78/US 278 did exceed the statewide averages in 1995 and 1996, but they did not in 1997. Many of the accidents that occurred were rear-end and angle intersect type accidents.

	SR 10/US 78/US 278 Accidents	SR 10/US 78/US 278 Fatalities
<b>Functional Classification</b>	Rural Minor Arterial	Rural Minor Arterial
<b>Number of Accidents (1995)</b>	30	2
<b>Rate (1995)</b>	154	10.24
<b>Statewide Average (1995)</b>	200	2.99
<b>Number of Accidents (1996)</b>	26	1
<b>Rate (1996)</b>	138	5.29
<b>Statewide Average (1996)</b>	216	2.63
<b>Number of Accidents (1997)</b>	34	0
<b>Rate (1997)</b>	181	0
<b>Statewide Average (1997)</b>	205	2.91

Note: All rates per 100 million vehicle miles of travel.

The Annual Average Daily Traffic (AADT) along this section of roadway ranged from 5,260 to 6,830 in 2001. The traffic volumes are expected to range from 6,950 to 9,030 AADT in 2028.

Currently, the LOS along the section of SR 10/US 78/US 278 was found to be at level "D". Traffic conditions lower than a LOS "D" are considered unacceptable in urban and rural areas. If this section of SR 10/US 78/US 278 remained under its current conditions, the LOS would drop to level "E", by the design year, 2028. Widening SR 10/US 78/US 278 to a four-lane divided highway will improve safety and capacity along this route and will improve the LOS to a level "A".

**REGIONAL PLAN**

The proposed project is a part of the Augusta Regional Transportation Study's (ARTS) Adopted Plan. The transportation study is a comprehensive, cooperative, and continuing transportation planning process conducted by the local governments and the Georgia Department of Transportation in cooperation with the U.S. Department of Transportation. The proposed improvement is included in the Tier II section of the adopted FY03-05 ARTS Transportation Improvement Program.

Project Concept Report - Page 4  
Project Number: STP-004-3(37)  
P.I. Number 221790  
County: Columbia/Richmond

**Description of the proposed project:** This project begins inside the city limits of Harlem by connecting to the existing sidewalk 800' East of SR 221. The new sidewalk will be constructed for approximately 4000' in an easterly direction. The roadway project ties to an existing four-lane undivided section just inside the Harlem city limits and then transitions to a four-lane section divided by a forty-four foot depressed grass median with widening to the south. This section continues for approximately 8.07 miles where it connects to an existing matching section just west of S.R. 223. The railroad bridge over Gordon Highway to Fort Gordon will be removed and replaced with a new bridge by GDOT. After completion of the project, Fort Gordon will be responsible for maintenance of the bridge. There will also be a shared through-right lane added to S.R. 223 to alleviate stacking at the Gate 2 entrance to Fort Gordon.

Is the project located in a Non-attainment area? \_\_\_ Yes \_\_\_x\_\_\_ No.

PDP Classification: Major X Minor \_\_\_

Federal Oversight: Full Oversight \_\_, Exempt x, State Funded \_\_, or Other \_\_

Functional Classification: Urban Arterial and Rural Arterial

U.S. Route Number(s): US 78 / US 278 State Route Number(s): SR 10

Traffic (AADT): Current Year: (2008) 7,400 Design Year: (2028) 9,030

**Existing Design Features:**

- Typical section: *An existing section with two 12-foot through lanes with random passing and turning lanes, connecting to an undivided section with four 12-foot lanes at the beginning and a divided section with four 12-foot lanes at the end.*
- Posted speed 55 mph Maximum degree of curvature: 4° 45' 00"
- Maximum grade: 5 %
- Width of right of way: 100 ft.
- Major structures: *There is an open-web steel truss trestle over SR 10 carrying a rail spur to Fort Gordon. The bridge has spans of 3 @ 12', 1 @ 96.5', and 3 @ 12'. The bridge structure ID number is 245-0099-0 and has an existing width of 16.4'.*
- Major interchanges or intersections along the project: *None*
- Existing length of roadway segment and the beginning mile logs for each county segment. *Milepost 2.20 to 6.93 in Columbia County and Milepost 0.00 to 3.34 in Richmond County for a total of 8.07 miles*

**Proposed Design Features:**

- Proposed typical section(s): *Four-lane divided section with a 44' depressed median and applicable turn lanes.*
- Proposed Design Speed Mainline 55 mph
- Proposed Maximum grade Mainline 5 % Maximum grade allowable 5 %.
- Proposed Maximum grade Side Street 7 % Maximum grade allowable 7 %.
- Proposed Maximum grade driveway 11 %
- Proposed Maximum degree of curve 4° 45' 00" Maximum degree allowable 6°

Project Concept Report - Page 5  
 Project Number: STP-004-3(37)  
 P.I. Number 221790  
 County: Columbia/Richmond

- Right of way
  - Width 200
  - Easements: Temporary \_\_\_\_, Permanent x, Utility \_\_\_\_, Other \_\_
  - Type of access control: Full \_\_, Partial \_\_, By Permit x, Other \_\_
  - Number of parcels: 131 Number of displacements:
    - Business: 4
    - Residences: 30
    - Mobile Homes: \_\_\_\_\_
    - Other: \_\_\_\_\_
- Major Structures:
  - Bridges: The existing railroad bridge will be removed and replaced with a new railroad bridge.
  - Retaining walls: Possibly at railroad bridge.
- Major intersections and interchanges: None
- Traffic control during construction: *The new south side lanes will be constructed while maintaining traffic on the existing lanes. Traffic will then be shifted to the newly constructed lanes allowing reconstruction and overlay of the existing roadway. Access will be provided to property owners at all times.*
- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	---	---	<u>x</u>
ROADWAY WIDTH:	---	---	<u>x</u>
SHOULDER WITH:	---	---	<u>x</u>
VERTICAL GRADES:	---	---	<u>x</u>
CROSS SLOPES:	---	---	<u>x</u>
STOPPING SIGHT DISTANCE:	---	---	<u>x</u>
SUPERELEVATION RATES:	---	---	<u>x</u>
HORIZONTAL CLEARANCE:	---	---	<u>x</u>
SPEED DESIGN:	---	---	<u>x</u>
VERTICAL CLEARANCE:	---	---	<u>x</u>
BRIDGE WIDTH:	---	---	<u>x</u>
BRIDGE STRUCTURAL CAPACITY:	---	---	<u>x</u>

- Design Variances: N/A
- Environmental concerns:
  - 1) *Wetlands – There are six wetland impacts along the project. None of these impacts either individually or as a whole were large enough to warrant a Practical Alternatives Report (PAR).*
  - 2) *Historical Properties – There are six historic structures located along the project corridor that were considered eligible for the National Registry. The project will not impact five of the structures and the sixth is the railroad bridge that will be removed and replaced. This impact should not be a problem since the bridge is to be moved and used as a pedestrian crossing at a location to be determined by the city of Augusta.*
  - 3) *Possible UST's – There were no UST's found within the project corridor.*
- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes \_\_, No x
  - Categorical exclusion N/A,
  - Environmental Assessment/Finding of No Significant Impact (FONSI) EA, or
  - Environmental Impact Statement (EIS) N/A.

Project Concept Report - Page 6  
Project Number: STP-004-3(37)  
P.I. Number 221790

County: Columbia/Richmond

- Utility involvement's: *CSX Railroad, Jefferson EMC, Georgia Power Company, Bellsouth, MCI Worldcom, City of Harlem Water.*

**Project responsibilities:**

- Design GDOT
- Right of Way Acquisition GDOT
- Relocation of Utilities GDOT or LGPA
- Letting to contract, GDOT
- Supervision of construction GDOT
- Providing material pits, Contractor
- Providing detours. None Anticipated

**Coordination**

- Original Concept Meeting date and brief summary: A concept team meeting for the original concept was held on October 1, 1996. This meeting was started with a general overview of the project limits. The project limits as originally proposed were from Old Louisville Road to SR 223. The concept also included the removal of the existing railroad bridge and adjusting the roadway profile to an at-grade crossing. There was a discussion about the location of all proposed median openings and the point was made that the Augusta Speedway needed an opening. There was then a discussion about the environmental issues on the project, which included historic properties, wetlands, and endangered species. There were then concerns about closing the railroad bridge to Fort Gordon. A Fort Gordon representative responded by saying they don't have a problem with shutting down the line during construction of the roadway, but they brought up the issue of a gas line crossing at the railroad bridge. This prompted discussion of Bellsouth putting in fiber optic cable from SR 223 to Dodge Lane. Urban Design then made various comments about acquiring the frontage road to Sunnyland Rental to control access. They also talked about re-aligning Old Louisville Rd and the impacts of doing this. The meeting concluded with a recap of the discussed items. See the attached minutes.
- Initial Concept meeting date and brief summary: An Initial concept team meeting was held for this project on October 11, 2001. There was a discussion of the historical and environmental impacts of the project and how the concept avoided these items. There was also discussion about the railroad and the railroad bridge. A cost comparison was exhibited and the replacement of the railroad bridge was the better alternate for cost and safety. There was then discussion of the various sideroads and how they were impacted by the project. Finally there was a discussion about extending the sidewalk from Harlem to the beginning of the project for a total of about 0.7 miles. See the attached minutes.
- Concept meeting date and brief summary. See the attached minutes.
- P.A.R. meetings, dates and results. (N/A)
- FEMA, USCG, and/or TVA. (N/A)
- Public involvement. (Hearing required)
- Local government comments.
- Other projects in the area. (N/A)
- Other coordination to date. (N/A)

**Scheduling - Responsible Parties' Estimate**

- Time to complete the environmental process: 12 Months.
- Time to complete preliminary construction plans: 12 Months.

Project Concept Report - Page 7  
Project Number: STP-004-3(37)  
P.I. Number 221790  
County: Columbia/Richmond

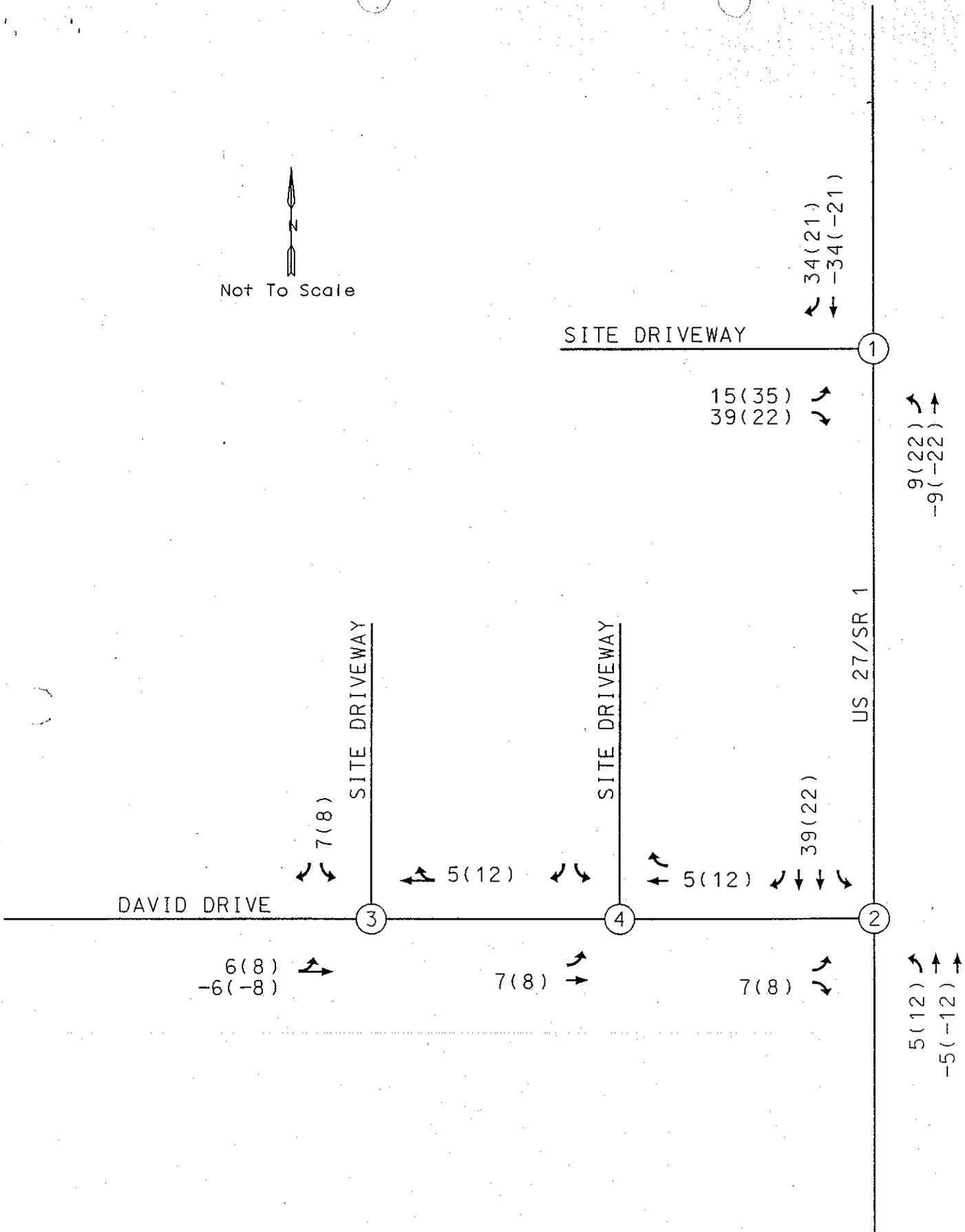
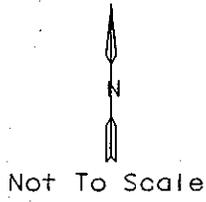
- Time to complete right of way plans:   5   Months.
- Time to complete the Section 404 Permit:   6   Months.
- Time to complete final construction plans:   12   Months.
- Time to complete to purchase right of way:   20   Months.
- List other major items that will affect the project schedule: \_\_\_\_\_ Months.

**Other alternates considered:**

1. No Build - *The decision to not build was eliminated because it offered no relief to traffic problems presently existing.*
2. At grade railroad crossing vs. Railroad bridge – *It was decided to replace the existing railroad bridge with a new railroad bridge because the cost of an at-grade intersection would have been much greater due to the amount of fill required for this alternate. An at-grade intersection would also have had much greater impacts to the adjoining properties and would have been more difficult to construct under traffic.*

**Attachments:**

1. Cost Estimates:
  - a. Construction including E&C
  - b. Right of Way, and
  - c. Utilities.
2. Typical sections,
3. Accident summaries,
4. Capacity analysis,
5. Bridge Inventory,
6. Minutes of Initial Concept and Concept meetings,



**PRELIMINARY COST ESTIMATE**  
**OFFICE OF CONSULTANT DESIGN**

DATE: 10/21/02

PREPARED BY: Chris Haggard

PROJECT NO: STP-004-3(37)

FILE NAME:

P.I. NO: 221790

MILEAGE: 8.07

PROJECT DESCRIPTION/CONCEPT:

EXISTING ROADWAY: SR 10/US 78/US 278

TRAFFIC: CURRENT ADT 7,400 (2008) PROJECTED ADT 9,030 (2028)

- ( ) PROGRAMMING PROCESS
- (X) CONCEPT DEVELOPMENT
- ( ) DURING PROJECT DEVELOPMENT

**PROJECT COSTS**

A. RIGHT OF WAY	lump sum		\$12,587,700.00
		<b>SUBTOTAL</b>	<b>\$12,587,700.00</b>

B. UTILITIES (Reimbursable)	lump sum		\$1,162,875.00
		<b>SUBTOTAL</b>	<b>\$1,162,875.00</b>

C. CLEARING AND GRUBBING (100 AC @ \$8,000/AC)	lump sum		\$800,000.00
		<b>SUBTOTAL</b>	<b>\$800,000.00</b>

**D. EARTHWORK**

Unclass Excav	390,000 cubic yards @	\$5.50		\$2,145,000.00
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Miscellaneous

Wick Drains	0 linear feet @	\$1.00		\$0.00
Filter Fabric	0 square yards @	\$7.00		\$0.00
Channel Excavation	0 cubic yards @	\$6.75		\$0.00
Drill Holes	0 linear feet @	\$2.00		\$0.00
			<b>SUBTOTAL</b>	<b>\$2,145,000.00</b>

**E. BASE AND PAVING**

Aggregate Base

Graded Aggregate 6"	18,933 square yards @	\$6.00		\$113,598.00
Graded Aggregate 12"	229,075 square yards @	\$9.00		\$2,061,675.00

Asphalt Paving

9.5mm Superpave	23,700 tons @	\$40.00		\$948,000.00
19mm Superpave	27,280 tons @	\$40.00		\$1,091,200.00
25mm Superpave	50,400 tons @	\$40.00		\$2,016,000.00
Leveling	6,487 tons @	\$40.00		\$259,480.00
Tack Coat	31,350 gallons @	\$1.15		\$36,052.50
			<b>SUBTOTAL</b>	<b>\$6,526,005.50</b>

F. DRAINAGE

Cross Drain System

15" Conc. Pipe	0 linear feet @	\$23.00	\$0.00
18" Conc. Pipe	1200 linear feet @	\$33.68	\$40,416.00
24" Conc. Pipe	1200 linear feet @	\$34.10	\$40,920.00
30" Conc. Pipe	0 linear feet @	\$43.50	\$0.00
36" Conc. Pipe	0 linear feet @	\$53.22	\$0.00
42" Conc. Pipe	0 linear feet @	\$63.10	\$0.00
48" Conc. Pipe	0 linear feet @	\$72.84	\$0.00
15" F.E.S.	0 each @	\$289.01	\$0.00
18" F.E.S.	8 each @	\$403.60	\$3,228.80
24" F.E.S.	8 each @	\$510.52	\$4,084.16
30" F.E.S.	0 each @	\$519.30	\$0.00
36" F.E.S.	0 each @	\$628.51	\$0.00
42" F.E.S.	0 each @	\$752.59	\$0.00
48" F.E.S.	0 each @	\$1,300.00	\$0.00

Longitudinal System

15" Conc. Pipe	0 linear feet @	\$20.00	\$0.00
18" Conc. Pipe	1000 linear feet @	\$33.68	\$33,680.00
24" Conc. Pipe	1000 linear feet @	\$34.10	\$34,100.00

Drainage Structures

Catch Basins	2 each @	\$1,770.19	\$3,540.38
Drop Inlets	122 each @	\$1,868.00	\$227,896.00
Manholes	4 each @	\$1,732.00	\$6,928.00

Drainage Lump Sum

Cost per Mile	miles @	\$350,000.00	\$0.00
		<b>SUBTOTAL</b>	<b>\$394,793.34</b>

G. CONCRETE WORK

Approach Slabs	320 square yards @	\$40.00	\$12,800.00
Sidewalk	2,207 square yards @	\$36.00	\$79,460.00
Curb and Gutter (Type2)	2,000 linear feet @	\$11.00	\$22,000.00
Curb and Gutter (Type 7)	0 linear feet @	\$10.00	\$0.00
Valley Gutter	175 square yards @	\$41.00	\$7,175.00
Conc. Median Barrier, Method 2	0 linear feet @	\$23.00	\$0.00
Median Paving	0 square yards @	\$35.00	\$0.00
		<b>SUBTOTAL</b>	<b>\$121,435.00</b>

H. TRAFFIC CONTROL

lump sum			\$100,000.00
		<b>SUBTOTAL</b>	<b>\$100,000.00</b>

I. EROSION CONTROL

lump sum			\$3,000,000.00
		<b>SUBTOTAL</b>	<b>\$3,000,000.00</b>

J. GUARDRAIL

lump sum			\$85,000.00
		<b>SUBTOTAL</b>	<b>\$85,000.00</b>

K. SIGNS, STRIPING, SIGNALS, LIGHTING

Striping -signals - signs	lump sum		\$120,000.00
Roadside Signs	lump sum		\$75,000.00
Overhead Signs w/ Lights	each @	\$0.00	\$0.00

Traffic Signals	each @	\$40,000.00	\$0.00
Lighting	lump sum		\$0.00
		<b>SUBTOTAL</b>	<b>\$195,000.00</b>
L. GRASSING/LANDSCAPING	lump sum		\$400,000.00
		<b>SUBTOTAL</b>	<b>\$400,000.00</b>
M. MISCELLANEOUS	lump sum		\$0.00
		<b>SUBTOTAL</b>	<b>\$0.00</b>
N. MAJOR STRUCTURES			
Bridge	19,000 square feet @	\$50.00	\$950,000.00
<u>Box Culverts</u>			
Concrete	66 cubic yards @	\$445.00	\$29,370.00
Bar Reinf. Steel	6800 pounds @	\$0.64	\$4,352.00
		<b>SUBTOTAL</b>	<b>\$983,722.00</b>

**ESTIMATE SUMMARY**

A. Right of Way	\$12,587,700.00
B. Reimbursable Utilities	\$1,162,875.00

**CONSTRUCTION COST SUMMARY**

C. Clearing and Grubbing	\$800,000.00
D. Earthwork	\$2,145,000.00
E. Base and Paving	\$6,526,005.50
F. Drainage	\$394,793.34
G. Concrete Work	\$121,435.00
H. Traffic Control	\$100,000.00
I. Erosion Control	\$3,000,000.00
J. Guardrail	
K. Signs, Striping, Signals, Lighting	\$195,000.00
L. Grassing/Landscaping	\$400,000.00
M. Miscellaneous	

**SUBTOTAL CONSTRUCTION \$13,682,233.84**

N. Major Structures	\$983,722.00
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**SUBTOTAL \$14,665,955.84**

5 Years of Inflation at 4 %	\$3,177,421.90
10 % E & C	\$1,784,337.77

**TOTAL CONSTRUCTION ESTIMATE \$19,627,715.51**

**TOTAL PROJECT COST ESTIMATE \$33,378,290.51**

**ALTERNATE PRELIMINARY COST ESTIMATE**  
**OFFICE OF CONSULTANT DESIGN**

DATE: 10/21/02

PREPARED BY: Chris Haggard

PROJECT NO: STP-004-3(37)

FILE NAME:

P.I. NO: 221790

MILEAGE: 8.07

PROJECT DESCRIPTION/CONCEPT:

EXISTING ROADWAY: SR 10/US 78/US 278

TRAFFIC: CURRENT ADT 7,400 (2008) PROJECTED ADT 9,030 (2028)

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**PROJECT COSTS**

A. RIGHT OF WAY		lump sum		\$12,587,700.00
			<b>SUBTOTAL</b>	<b>\$12,587,700.00</b>
B. UTILITIES (Reimbursable)		lump sum		\$1,162,875.00
			<b>SUBTOTAL</b>	<b>\$1,162,875.00</b>
C. CLEARING AND GRUBBING (100 AC @ \$8,000/AC)		lump sum		\$800,000.00
			<b>SUBTOTAL</b>	<b>\$800,000.00</b>
D. EARTHWORK				
Unclass Excav	470,000 cubic yards @	\$5.50		\$2,585,000.00
Borrow	250,000 cubic yards @	\$5.50		\$1,375,000.00
<u>Miscellaneous</u>				
Wick Drains	0 linear feet @	\$1.00		\$0.00
Filter Fabric	0 square yards @	\$7.00		\$0.00
Channel Excavation	0 cubic yards @	\$6.75		\$0.00
Drill Holes	0 linear feet @	\$2.00		\$0.00
			<b>SUBTOTAL</b>	<b>\$3,960,000.00</b>
E. BASE AND PAVING				
<u>Aggregate Base</u>				
Graded Aggregate 6"	42,000 square yards @	\$6.00		\$252,000.00
Graded Aggregate 12"	228,475 square yards @	\$9.00		\$2,056,275.00
<u>Asphalt Paving</u>				
9.5mm Superpave	23,654 tons @	\$40.00		\$946,160.00
19mm Superpave	27,215 tons @	\$40.00		\$1,088,600.00
25mm Superpave	50,264 tons @	\$40.00		\$2,010,560.00
Leveling	6,487 tons @	\$40.00		\$259,480.00
Tack Coat	31,319 gallons @	\$1.15		\$36,016.85
			<b>SUBTOTAL</b>	<b>\$6,649,091.85</b>

F. DRAINAGE

Cross Drain System

15" Conc. Pipe	0 linear feet @	\$23.00	\$0.00
18" Conc. Pipe	1200 linear feet @	\$33.68	\$40,416.00
24" Conc. Pipe	1200 linear feet @	\$34.10	\$40,920.00
30" Conc. Pipe	0 linear feet @	\$43.50	\$0.00
36" Conc. Pipe	0 linear feet @	\$53.22	\$0.00
42" Conc. Pipe	0 linear feet @	\$63.10	\$0.00
48" Conc. Pipe	0 linear feet @	\$72.84	\$0.00
15" F.E.S.	0 each @	\$289.01	\$0.00
18" F.E.S.	8 each @	\$403.60	\$3,228.80
24" F.E.S.	8 each @	\$510.52	\$4,084.16
30" F.E.S.	0 each @	\$519.30	\$0.00
36" F.E.S.	0 each @	\$628.51	\$0.00
42" F.E.S.	0 each @	\$752.59	\$0.00
48" F.E.S.	0 each @	\$1,300.00	\$0.00

Longitudinal System

15" Conc. Pipe	0 linear feet @	\$20.00	\$0.00
18" Conc. Pipe	1000 linear feet @	\$33.68	\$33,680.00
24" Conc. Pipe	1000 linear feet @	\$34.10	\$34,100.00

Drainage Structures

Catch Basins	2 each @	\$1,770.19	\$3,540.38
Drop Inlets	122 each @	\$1,868.00	\$227,896.00
Manholes	4 each @	\$1,732.00	\$6,928.00

Drainage Lump Sum

Cost per Mile	miles @	\$350,000.00	\$0.00
		<b>SUBTOTAL</b>	<b>\$394,793.34</b>

G. CONCRETE WORK

Approach Slabs	320 square yards @	\$40.00	\$12,800.00
Sidewalk	2,207 square yards @	\$36.00	\$79,460.00
Curb and Gutter (Type2)	2,000 linear feet @	\$11.00	\$22,000.00
Curb and Gutter (Type 7)	0 linear feet @	\$10.00	\$0.00
Valley Gutter	175 square yards @	\$41.00	\$7,175.00
Conc. Median Barrier, Method 2	0 linear feet @	\$23.00	\$0.00
Median Paving	0 square yards @	\$35.00	\$0.00
		<b>SUBTOTAL</b>	<b>\$121,435.00</b>

H. TRAFFIC CONTROL

lump sum	\$100,000.00
<b>SUBTOTAL</b>	<b>\$100,000.00</b>

I. EROSION CONTROL

lump sum	\$3,100,000.00
<b>SUBTOTAL</b>	<b>\$3,100,000.00</b>

J. GUARDRAIL

lump sum	\$120,000.00
<b>SUBTOTAL</b>	<b>\$120,000.00</b>

K. SIGNS, STRIPING, SIGNALS, LIGHTING

Striping -signals - signs	lump sum	\$120,000.00
Roadside Signs	lump sum	\$75,000.00

Overhead Signs w/ Lights	each @	\$0.00	\$0.00
Traffic Signals	each @	\$40,000.00	\$0.00
Lighting	lump sum		\$0.00
		<b>SUBTOTAL</b>	<b>\$195,000.00</b>
 L. GRASSING/LANDSCAPING	lump sum		\$400,000.00
		<b>SUBTOTAL</b>	<b>\$400,000.00</b>
 M. MISCELLANEOUS - Railroad Crossing	lump sum		\$175,000.00
		<b>SUBTOTAL</b>	<b>\$175,000.00</b>
 N. MAJOR STRUCTURES			
Bridge	square feet @	\$50.00	\$0.00
 <u>Box Culverts</u>			
Concrete	66 cubic yards @	\$445.00	\$29,370.00
Bar Reinf. Steel	6800 pounds @	\$0.64	\$4,352.00
		<b>SUBTOTAL</b>	<b>\$33,722.00</b>

**ESTIMATE SUMMARY**

A. Right of Way	\$12,587,700.00
B. Reimbursable Utilities	\$1,162,875.00

**CONSTRUCTION COST SUMMARY**

C. Clearing and Grubbing	\$800,000.00
D. Earthwork	\$3,960,000.00
E. Base and Paving	\$6,649,091.85
F. Drainage	\$394,793.34
G. Concrete Work	\$121,435.00
H. Traffic Control	\$100,000.00
I. Erosion Control	\$3,100,000.00
J. Guardrail	
K. Signs, Striping, Signals, Lighting	\$195,000.00
L. Grassing/Landscaping	\$400,000.00
M. Miscellaneous	

**SUBTOTAL CONSTRUCTION \$15,720,320.19**

N. Major Structures	\$33,722.00
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**SUBTOTAL \$15,754,042.19**

5 Years of Inflation at 4 %	\$3,413,158.96
10 % E & C	\$1,916,720.12

**TOTAL CONSTRUCTION ESTIMATE \$21,083,921.27**

**TOTAL PROJECT COST ESTIMATE \$34,834,496.27**

**RECEIVED**

OCT - 2 2002

**Department of Transportation**  
**State of Georgia**

Office of Consultant Design

-----  
Interdepartmental Correspondence

**FILE** R/W Cost Estimate **OFFICE** Atlanta  
**DATE** October 2, 2002  
**FROM** *HB/GAM*  
Harvey Booker, Right of Way Administrator  
**TO** To: James B. Buchan, P.E., Office of Consultant Design  
Attention: ~~Tom~~ *Joe* ~~Hodges~~ *Wheeler*  
**SUBJECT** Preliminary Right of Way Cost Estimate  
Project: STP-004-3(37)Columbia / Richmond Update  
P.I. No.: 221790  
Description: Gordon Highway from 4-lane in Harlem to SR 223

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 (404) 463-2564.

DPM:RCF:GAM:jm

Attachments

c: David Mulling, Engineering Services  
Phil Copeland, R/W  
Windy Bickers, Financial Management  
File

# Preliminary Right of Way Cost Estimate

*Jerry Milligan*  
**Harvey Booker**  
 Right of Way Administrator  
 By: Jerry Milligan

**Date:** October 2, 2002  
**Project:** STP-004-3(37) Columbia/Richmond Update **P.I. Number:** 221790  
**Existing/Required R/W:** Varies/Varies **No. Parcels:** 131  
**Project Termini:** Gordon Highway from 4-lane in Harlem to SR 223  
**Project Description:** Gordon Highway from 4-lane in Harlem to SR 223

**Land:**  
 Commercial R/W 24.22 acres @ \$ 75,000 / acre \$ 1,816,500  
 Residential R/W 72.0 acres @ \$ 3,000 / acre 216,000 \$ 2,032,500

**Improvements :** Commercial buildings, residences, fencing, signs, curbing, paving, and misc. site improvements 768,000

**Relocation:** Commercial(4) \$ 100,000  
 Residential(30) 600,000 700,000

**Damage :** Cost to Cures (4) \$ 95,000  
 Proximity damages(3) 30,000 125,000

Net Cost \$ 3,625,500

Net Cost \$ 3,625,500  
 Scheduling Contingency 55 % 1,994,025  
 Adm/Court Cost 60 % 3,371,700  
 Inflation Factor 40 % 3,596,500  
 \$ 12,587,700

**Total Cost \$ 12,587,700**

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE**      STP-004-3 (37) – Columbia / Richmond County      **OFFICE:** Tennille Utilities  
              PI No. - 221790  
  
**DATE:** August 21, 2002

**FROM**      James F. Hobby, Jr., District Utilities Engineer

**TO**          Ben Buchan, State Consultant Design Engineer  
              Attention: Joe Wheeler

**SUBJECT**   **REVISED UTILITY COST ESTIMATE**

A Utility Cost Estimate has been completed on the above referenced project. The estimate was done by Alan Smith of this office and is based on concept drawings provided by your office, dated October 8, 2001 and an on-site inspection performed on October 10, 2001. Unit costs are based on the "mean item summary" and former "force account agreements".

**COLUMBIA COUNTY**

**WATER**

*City of Harlem*

Relocate 4240 L.F. of 10" DIP water main @ \$19.41 / L.F. =	\$82,298.40
Relocate 5 Fire Hydrants @ \$1550.00 each =	<u>\$7,750.00</u>
	<b>\$90,048.40</b>

**POWER**

*Jefferson EMC*

Relocate 18 distribution poles @ \$2,500.00 each =	\$45,000.00
	<b>\$45,000.00</b>

**TELEPHONE**

*BellSouth*

Relocate one Remote Terminal site @ \$250,000.00 =	\$250,000.00
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*MCI Worldcom*

Relocate 2300 LF of buried fiber optic cable @ \$26.00 / LF (C.R. 126) =	\$59,800.00
	<b>\$309,800.00</b>

**RAILROAD**

*CSX Railway*

Install at grade crossing at C.R. 126 @ \$50,000.00 =	\$50,000.00
Install Railroad Warning Devices @ \$100,000.00 =	<u>\$100,000.00</u>
	<b>\$150,000.00</b>

**Total Estimated Utility Relocation Cost to Columbia County = \$594,848.40**

**RICHMOND COUNTY**

**TELEPHONE**

*MCI Worldcom*

Relocate 2300 LF of buried fiber optic cable @ \$26.00 / LF (C.R. 899) = \$59,800.00  
**\$59,800.00**

**POWER**

*Georgia Power Company*

Relocate 27 distribution poles @ \$7,000.00 each = \$189,000.00  
**\$189,000.00**

**GAS**

*Atlanta Gas Light Company*

Relocate 1790 LF of 8" HPS gas main @ \$56.84 / LF = \$101,744.00  
Relocate 206 LF of 4" HPS gas main @ \$24.80 / LF = \$5,109.00  
Relocate regulator station @ \$17,703.00 = \$17,073.00  
Miscellaneous costs (Tie-ins, Services, Meters, etc.) = \$45,300.00  
**\$169,226.00**

**RAILROAD**

*CSX Railway*

Install at grade crossing at C.R. 899 @ \$50,000.00 = \$50,000.00  
Install Railroad Warning Devices @ \$100,000.00 = \$100,000.00  
**\$150,000.00**

**Total Estimated Utility Relocation Cost to Richmond County = \$568,026.00**

**TOTAL ESTIMATED UTILITY RELOCATION COST: \$1,162,874.40**

Georgia Power Company, BellSouth, and Comcast CATV all have facilities located within the existing Right of Way throughout the project limits. These facilities should not be considered reimbursable.

CSX Railway also has a steel truss bridge crossing Gordon Highway near the back entrance to Fort Gordon. If this bridge is to be replaced or lengthened, this will add costs to the construction estimate. If an "at-grade" crossing is proposed, this will increase the utility cost to Richmond County by approximately \$200,000.00 due to the wide crossing that will be required.

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 Alan Smith in the Utilities Section of this office at 478-552-4637.

JFH:DAS

cc: Jeff Baker / Scott Greene via e-mail

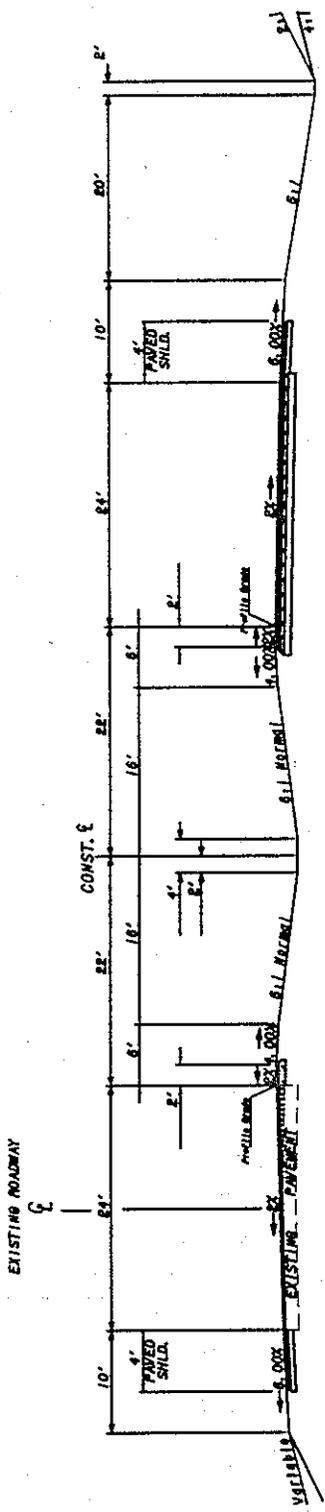
Herman Griffin

David Griffith

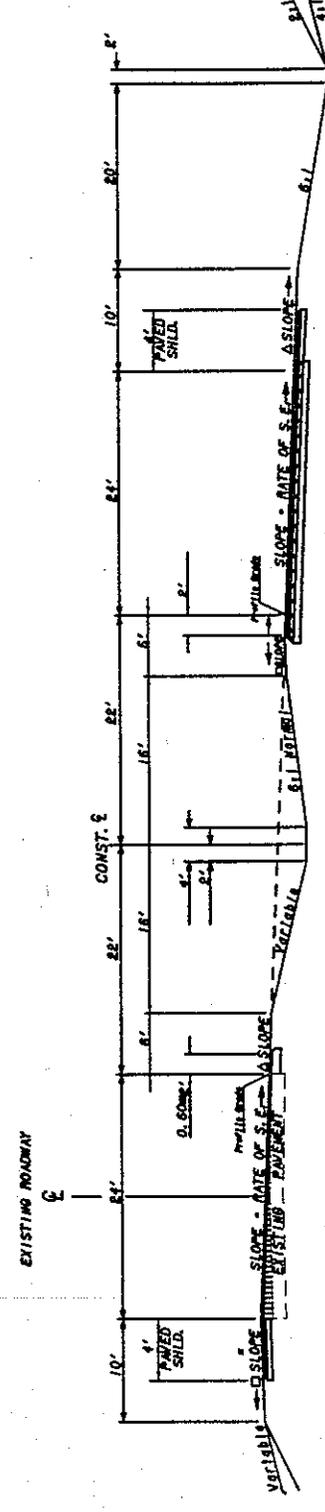
Debbie Pennington



STATE	PROJECT	DATE
MINN.		



TS-3  
TANGENT SECTION  
OVERLAY AND WIDENING



TS-4  
SUPERELEVATION SECTION  
OVERLAY AND WIDENING

REVISIONS DATE DESCRIPTION _____ _____		DATE 10/27/2003	
DRAWN BY _____		CHECKED BY _____	
DESIGNED BY _____		APPROVED BY _____	
PROJECT NO. SR 10/US 78/US 278 WIDENING TYPICAL SECTIONS			
SHEET NO. 2			

## ACCIDENT DATA COVER SHEET

(APPLIES TO THE 'TOTAL' ACCIDENT COMPUTER SYSTEM  
FILES - NOT TO THE 'FATAL' (ONLY) ACCIDENT COMPUTER FILES)

THE ATTACHED ACCIDENT DATA ARE COMPLETE OR INCOMPLETE  
FOR CODING STATEWIDE TO THE EXTENTS INDICATED BELOW

<u>YEAR OF DATA</u>	<u>STATUS</u>
1993 and Prior -	Complete
1994 -	1994 INJURY and FATAL Accidents are complete for coding statewide, but TOTAL Accidents are only 59% complete.
1995, 1996 & 1997 -	Complete
1998 -	1998 TOTAL and INJURY Accidents are about 62% complete for coding statewide, but FATAL Accidents are 100% complete. Coding for 1998 is Final.

Latest Updates  
1998 Data 12/17/99(Final)

# HEADING DEFINITIONS FOR ACCIDENT LISTINGS (FOR 1988 AND LATER ACCIDENT DATA)

SR= State Route; CR= County Road; CS = City Street

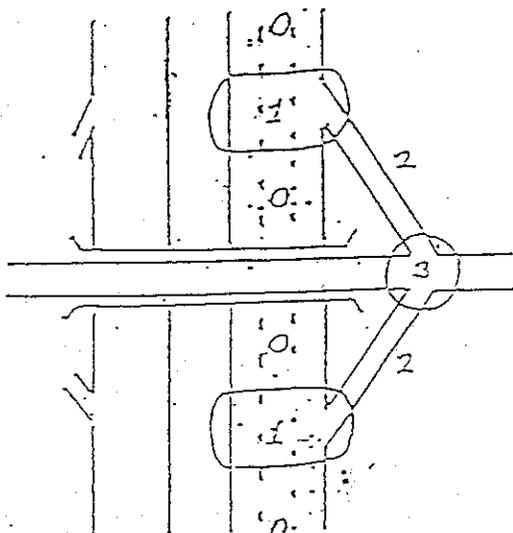
- F = Number of Fatalities
- I-V = Number of Serious or Visible Injuries
- I-C = Number of Complaint Injuries
- INJ = Number of Total Injuries
- TPA = Type Accident
- LOC or LO = Location at POI (Point of Impact)
- RS = Ramp Section Number
- LI = Light Condition
- SUR or SU = Surface Condition
- D1 = Direction of Travel (for Vehicle No. 1; etc.)
- VMI = Vehicle Maneuver (for Vehicle No. 1, etc.)

TYPE ACCIDENT	LOCATION AT POI	LIGHT CONDITION	SURFACE CONDITION
1. Angle intersecting 2. Head on 3. Rear end 4. Sideswipe-same direction 5. Sideswipe-opposite direction 6. Overtaken 7. Struck object 8. Pedestrian 9. Parked vehicle 10. Other non-collision	1. On roadway 2. On shoulder 3. Off roadway 4. Median 5. Ramp	1. Daylight 2. Dusk 3. Dawn 4. Dark-lighted 5. Dark-not lighted	1. Dry 2. Wet 3. Snow/icy 4. Other _____ (specify)

VEHICLE MANEUVER		
1. Turning left	6. Changing lanes	10. Entering/leaving parking
2. Turning right	7. Backing	11. Entering/leaving driveway
3. Making U-turn	8. Parked	
4. Stopped	9. Passing	
5. Straight		

Ramp Section Number (RSEC or Ramp Sect.)

- 0 = Mainline (not at a Ramp)
- 1 = Mainline at Ramp Location
- 2 = Middle of Ramp
- 3 = Intersection of Ramp(s) and Crossroad



MILE	CTY	RTE	DESCRIPTION	TW	FC	RD1	RD2
0000	073	001000	BEG MCDUFFIE 189	1	06	SAWDUST RD	
0029	073	001000	CRT 000600 L	1	06		
0037	073	001000		1	06		
0052	073	001000		1	06	LAMKIN RD	
0060	073	001000	CRT 000300 R	1	06	HENRY MILLER ST	
0068	073	001000	CL HARLEM INTO	1	06		
0076	073	001000	CST 054205 R	1	06		
0082	073	001000		1	06		
0091	073	001000	CST 054105 R	1	06	S FAIRVIEW ST	
0092	073	001000	MP 001	1	06	W BOUNDARY ST	
0097	073	001000	CST 054305 L	1	06		
0101	073	001000		1	06		
0106	073	001000		1	06		
0110	073	001000		1	06	HATCHER ST	
0118	073	001000	CST 051905 R	1	06	S HATCHER ST	
0119	073	001000	CST 051205 L	1	06	S BELL AVE	
0129	073	001000	CSX 051005LCS533R	1	06	CLUB ST	
0135	073	001000	CST 051505 L	1	06	N LOUISVILLE ST	
0145	073	001000	SRX 004700	1	06	COOK ST	
0154	073	001000	CST 051605 L	1	06	S BLANCHARD ST	
0159	073	001000	CSX 051705	1	06	E MILLEDGEVILLE CT	
0176	073	001000	ACCLC R	1	06	VERDERY ST	
0192	073	001000	CSY 050905 L	1	06		
0195	073	001000	MP 002	1	06	E BOUNDARY ST	
0204	073	001000	CST 050205 L	1	06		
0220	073	001000	CL HARLEM OUT OF	1	06		
0222	073	001000		1	06		
0235	073	001000		1	06		
0235	073	001000		1	06	WHITE RD	
0263	073	001000	CRT 005100 R	1	06	OLD AUGUSTA HWY	
0284	073	001000	CRT 026400 L	1	06	LEITNER HILL RD	
0287	073	001000	CRT 026900 R	1	06		
0296	073	001000	MP 003	1	06		
0400	073	001000	MP 004	1	06	NASON DR	
0480	073	001000	CRT 115300 R	1	06		
0489	073	001000		1	06	BRAD MARY LAKE RD	
0493	073	001000	CRT 026800 R	1	06		
0500	073	001000	MP 005	1	06		
0516	073	001000	CRT 114000 R	1	06	BATH RD	
0522	073	001000	CRT 025800 L	1	06	OLD LOUISVILLE RD	
0530	073	001000		1	06		
0600	073	001000	MP 006	1	06		
0644	073	001000		1	06		
0650	073	001000		1	06	LONE OAK LA	
0657	073	001000	CRT 115000 L	1	06	CHERYL ANN DR	
0660	073	001000	CRT 089900 R	1	06		
0664	073	001000		1	06		
0677	073	001000		1	06		
0687	073	001000		1	06		
0693	073	001000	END RICHMOND 245	1	06		

CONTINUE IN RICHMOND CD



FOR 1995  
COLUMBIA CO, S. 10, MILELOGS 2.22 - 6.93  
RICHMOND CO, SR 10, MILELOGS 0.00 - 3.34

CASE	DATE	TIME	COU	TP	ROUTE	MILE	INT RD TYPE	INT RD SECT	F	INJ	TYPE	ACCIDENT	LOC	LI	SUR	D1	D2	VM1	VM
52570559	11/03/95	19:11	073	SR	10	2.73			0	0	STRUCK OBJECT	ON ROADWAY	5	DRY	E	0	05	00	
51070653	05/11/95	5:30	073	SR	10	2.83			0	0	STRUCK OBJECT	ON ROADWAY	4	DRY	E	0	05	00	
50360425	02/16/95	11:46	073	SR	10	2.84	CR	264	0	0	REAR END	ON ROADWAY	1	DRY	E	E	04	05	
52010757	09/08/95	20:46	073	SR	10	2.97			0	0	STRUCK OBJECT	ON ROADWAY	5	DRY	E	0	05	00	
50140807	01/24/95	9:05	073	SR	10	3.17			0	0	REAR END	ON ROADWAY	1	DRY	E	E	05	05	
50300017	04/16/95	11:32	073	SR	10	3.34			1	3	REAR END	ON ROADWAY	1	DRY	W	W	11	09	
51070660	05/12/95	17:12	073	SR	10	4.27			0	0	ANGLE INTERSECTING	ON ROADWAY	1	DRY	E	E	W	05	
52010015	09/11/95	15:36	073	SR	10	4.82			1	2	ANGLE INTERSECTING	ON ROADWAY	1	DRY	E	W	05	05	
50590308	03/08/95	22:27	073	SR	10	4.93	CR	268	0	1	SIDESWIPE SAME DIR	ON ROADWAY	5	DRY	W	W	05	05	
51780213	08/01/95	12:54	073	SR	10	5.22	CR	258	0	2	STRUCK OBJECT	OFF ROADWAY	1	DRY	E	0	05	00	
50590405	03/25/95	21:57	073	SR	10	5.50			0	0	OVERTURNED	ON SHOULDER	5	DRY	W	0	05	00	
50590385	03/23/95	9:24	073	SR	10	5.57			0	0	OVERTURNED	OFF ROADWAY	1	DRY	W	0	05	00	
52570552	11/02/95	7:36	073	SR	10	5.60	CR	1150	0	1	STRUCK OBJECT	OFF ROADWAY	1	WET	W	0	05	00	
50590304	03/08/95	13:18	073	SR	10	6.57			0	3	REAR END	ON ROADWAY	1	WET	E	E	04	05	
50790412	04/24/95	10:01	245	SR	10	0.40			0	0	STRUCK OBJECT	ON ROADWAY	1	DRY	W	0	05	00	
52230617	10/27/95	6:28	245	SR	10	0.59			0	0	OVERTURNED	ON SHOULDER	5	DRY	E	0	05	00	
50790030	04/06/95	8:40	245	SR	10	0.67	CR	126	0	4	REAR END	ON ROADWAY	1	WET	E	E	05	04	
50790028	04/06/95	8:52	245	SR	10	0.67	CR	126	0	0	REAR END	ON ROADWAY	1	WET	E	E	05	04	
50560096	03/26/95	18:31	245	SR	10	0.67	CR	126	0	0	STRUCK OBJECT	ON SHOULDER	1	DRY	N	0	02	00	
51740471	08/14/95	21:25	245	SR	10	0.67	CR	126	0	0	REAR END	ON ROADWAY	5	DRY	E	E	05	04	
51500410	07/07/95	13:43	245	SR	10	0.69			0	0	REAR END	ON ROADWAY	1	DRY	W	W	05	04	
51270140	06/10/95	23:38	245	SR	10	1.03			0	0	SIDESWIPE SAME DIR	ON ROADWAY	5	DRY	E	E	06	05	
51740608	08/20/95	18:23	245	SR	10	1.38			0	0	STRUCK OBJECT	OFF ROADWAY	1	WET	E	0	05	00	
50320636	02/04/95	2:21	245	SR	10	2.18			0	2	STRUCK OBJECT	OFF ROADWAY	5	WET	W	0	04	00	
51980691	09/29/95	17:58	245	SR	10	2.18			0	0	STRUCK OBJECT	OFF ROADWAY	1	DRY	E	0	05	00	
51740477	08/14/95	8:51	245	SR	10	2.37			0	1	STRUCK OBJECT	ON SHOULDER	1	DRY	E	0	05	00	
51030798	05/01/95	11:48	245	SR	10	2.88			0	0	REAR END	ON ROADWAY	1	DRY	E	E	05	04	
51980575	09/23/95	1:58	245	SR	10	2.88			0	0	STRUCK OBJECT	ON SHOULDER	5	WET	E	0	05	00	
50560148	03/29/95	15:31	245	SR	10	2.97			0	2	OTHER NON-COLLISION	OFF ROADWAY	1	DRY	W	0	05	00	
51980144	09/01/95	21:19	245	SR	10	3.28			0	0	ANGLE INTERSECTING	ON ROADWAY	5	WET	W	W	01	05	

REPORT TOTALS..... ACCIDENTS: 30 FATALITIES: 2 INJURIES: 22

PAGE TOTALS..... ACCIDENTS: 30 FATALITIES: 2 INJURIES: 22

L FOR 1996  
COLUMBIA CO, SR 10, MILELOGS 2.22 - 6.93  
RICHMOND CO, SR 10, MILELOGS 0.00 - 3.34

CASE	DATE	TIME	COU	TP	ROUTE	MILE	INT RD TYPE	INT RD	RAMP SECT	F	INHJ	TYPE	ACCIDENT	LOC	LI	SUR	DI	D2	VM1	VM2
62630620	11/04/96	14:41	073	SR	10	2.63	CR	51	0	0	0	REAR END	ON ROADWAY	1	DRY	W	W	05	05	05
61990059	08/29/96	7:31	073	SR	10	2.63	CR	51	0	0	0	STRUCK OBJECT	OFF ROADWAY	3	WET	E	N	05	01	01
60610454	03/05/96	1:38	073	SR	10	2.63	CR	51	0	0	1	STRUCK OBJECT	OFF ROADWAY	5	DRY	E	0	05	00	00
62680450	11/12/96	19:03	073	SR	10	2.84	CR	264	0	0	0	STRUCK OBJECT	ON ROADWAY	5	DRY	E	0	05	00	00
62330525	10/03/96	0:15	073	SR	10	2.87	CR	269	0	0	0	STRUCK OBJECT	ON ROADWAY	5	DRY	E	E	02	09	00
61050297	05/20/96	7:53	073	SR	10	2.87	CR	269	0	0	0	ANGLE INTERSECTING	ON SHOULDER	1	DRY	N	E	04	05	05
62520682	10/25/96	15:18	073	SR	10	4.93	CR	268	0	0	0	ANGLE INTERSECTING	ON ROADWAY	1	DRY	N	E	01	05	00
61050103	05/01/96	15:15	073	SR	10	5.22	CR	258	0	0	0	REAR END	ON ROADWAY	1	DRY	E	0	05	00	00
60860176	04/14/96	3:29	073	SR	10	5.57			0	0	4	STRUCK OBJECT	OFF ROADWAY	5	DRY	W	0	05	00	00
62070727	09/08/96	1:50	073	SR	10	6.07			0	0	0	STRUCK OBJECT	ON ROADWAY	5	DRY	W	0	05	00	00
62260266	09/24/96	18:50	073	SR	10	6.60	CR	899	0	0	0	STRUCK OBJECT	ON SHOULDER	1	DRY	S	0	05	00	00
63160029	12/26/96	12:45	245	SR	10	0.23			0	0	0	REAR END	ON ROADWAY	1	WET	S	S	05	05	00
61710205	07/22/96	22:55	245	SR	10	0.50			0	0	4	REAR END	ON ROADWAY	4	DRY	N	N	06	05	05
61610902	07/09/96	10:16	245	SR	10	1.23			0	0	6	REAR END	ON ROADWAY	1	DRY	W	W	06	04	04
62420693	10/05/96	10:41	245	SR	10	1.67			0	0	0	STRUCK OBJECT	ON ROADWAY	1	DRY	N	0	05	00	00
62070404	08/31/96	21:55	245	SR	10	2.08			0	0	0	STRUCK OBJECT	OFF ROADWAY	5	DRY	E	0	05	00	00
61180790	05/31/96	7:15	245	SR	10	2.17	CR	391	0	0	0	REAR END	ON ROADWAY	3	DRY	E	W	05	04	04
60350724	02/20/96	7:02	245	SR	10	2.37			0	0	0	STRUCK OBJECT	ON ROADWAY	3	WET	W	W	05	04	04
60140044	01/31/96	7:46	245	SR	10	2.49			0	0	0	STRUCK OBJECT	OFF ROADWAY	1	DRY	E	0	05	00	00
62660692	11/01/96	23:22	245	SR	10	2.57			0	1	0	STRUCK OBJECT	ON SHOULDER	5	DRY	W	0	01	00	00
60580590	03/07/96	6:41	245	SR	10	2.67			0	0	0	REAR END	ON ROADWAY	2	WET	E	E	05	04	04
60350746	02/20/96	18:12	245	SR	10	2.68			0	0	1	ANGLE INTERSECTING	ON ROADWAY	1	DRY	W	E	05	05	05
60590407	03/30/96	16:01	245	SR	10	2.83			0	0	1	STRUCK OBJECT	OFF ROADWAY	1	DRY	E	0	05	00	00
61310417	05/28/96	6:54	245	SR	10	3.18			0	0	1	REAR END	ON ROADWAY	1	WET	W	W	05	04	04
61080697	05/25/96	5:05	245	SR	10	3.27			0	0	0	STRUCK OBJECT	ON ROADWAY	4	WET	E	0	05	00	00
62660702	11/02/96	2:35	245	SR	10	3.33			0	0	0	STRUCK OBJECT	ON ROADWAY	5	DRY	W	0	05	00	00

REPORT TOTALS: ACCIDENTS: 26 FATALITIES: 1 INJURIES: 18

PAGE TOTALS: ACCIDENTS: 26 FATALITIES: 1 INJURIES: 18

DF FOR 1997  
COLUMBIA CO, SR J, MILELOGS 2.22 - 6.93  
RICHMOND CO, SR 10, MILELOGS 0.00 - 3.34

CASE	DATE	TIME	COU	TP	ROUTE	MILE	INT RD TYPE	INT RD	RAMP SECT	F	INJ	TYPE	ACCIDENT	LOC	LI	SUR	D1	D2	VM1	VM2
70380218	02/18/97	19:13	073	SR	10	2.61			0	0	0	STRUCK OBJECT	ON ROADWAY	1	DRY	W	0	05	00	00
73180343	12/02/97	18:57	073	SR	10	3.14			0	0	0	REAR END	ON ROADWAY	5	DRY	W	0	04	05	05
72410649	10/04/97	0:32	073	SR	10	3.27			0	0	0	STRUCK OBJECT	ON ROADWAY	5	DRY	E	0	05	00	00
73180429	12/11/97	6:30	073	SR	10	3.54			0	0	1	REAR END	ON ROADWAY	5	DRY	E	0	04	05	05
73180488	12/19/97	21:24	073	SR	10	3.64			0	0	0	SIDESWIPE OPP DIR	ON ROADWAY	5	DRY	E	0	05	05	05
72160864	08/02/97	5:05	073	SR	10	3.84			0	0	1	STRUCK OBJECT	OFF ROADWAY	5	DRY	E	0	02	00	00
71400324	06/12/97	14:43	073	SR	10	4.60			0	0	0	REAR END	ON ROADWAY	1	WET	W	0	05	05	05
71250754	05/31/97	19:17	073	SR	10	4.80	CR	1153	0	0	2	STRUCK OBJECT	OH SHOULDER	1	WET	W	0	05	00	00
70530171	03/12/97	16:16	073	SR	10	5.19			0	0	0	REAR END	ON ROADWAY	1	DRY	W	0	05	05	05
72570208	10/24/97	17:37	073	SR	10	5.22	CR	258	0	0	1	REAR END	ON ROADWAY	1	WET	E	0	05	05	01
72000040	08/21/97	5:50	073	SR	10	5.22	CR	258	0	0	1	ANGLE INTERSECTING	ON ROADWAY	5	DRY	W	0	05	05	05
70140833	01/24/97	19:10	073	SR	10	5.32			0	0	0	REAR END	ON ROADWAY	5	WET	E	0	05	05	05
70440745	02/27/97	8:23	073	SR	10	5.42			0	0	0	STRUCK OBJECT	ON ROADWAY	1	WET	E	0	05	00	00
73180562	12/28/97	18:24	073	SR	10	5.42			0	0	0	STRUCK OBJECT	ON ROADWAY	5	DRY	E	0	05	00	00
70490717	03/02/97	4:41	073	SR	10	5.77			0	0	0	STRUCK OBJECT	ON ROADWAY	5	DRY	W	0	05	00	00
70980630	04/29/97	21:21	073	SR	10	6.57	CR	1150	0	0	0	STRUCK OBJECT	OFF ROADWAY	5	DRY	W	0	05	00	00
71190853	05/24/97	3:23	073	SR	10	6.57	CR	1150	0	0	0	STRUCK OBJECT	ON ROADWAY	5	DRY	E	0	05	00	00
72240729	09/12/97	17:20	245	SR	10	0.00			0	0	1	REAR END	ON ROADWAY	1	DRY	N	0	05	05	05
71410929	06/13/97	16:20	245	SR	10	0.17			0	0	1	STRUCK OBJECT	ON SHOULDER	1	DRY	W	0	06	00	00
72290787	09/15/97	5:43	245	SR	10	0.63			0	0	0	STRUCK OBJECT	ON ROADWAY	5	DRY	E	0	05	00	00
70710831	03/28/97	16:11	245	SR	10	0.68			0	0	2	ANGLE INTERSECTING	ON SHOULDER	1	WET	E	0	05	05	05
70590654	02/15/97	23:15	245	SR	10	0.71			0	0	1	STRUCK OBJECT	OFF ROADWAY	5	DRY	E	0	05	00	00
72240701	09/11/97	7:52	245	SR	10	1.05			0	0	0	REAR END	ON ROADWAY	1	DRY	N	0	05	05	05
72300192	09/27/97	13:52	245	SR	10	1.05			0	0	0	ANGLE INTERSECTING	ON ROADWAY	1	WET	S	0	05	02	02
70240818	02/06/97	6:36	245	SR	10	1.05			0	0	0	STRUCK OBJECT	ON ROADWAY	5	DRY	E	0	05	00	00
71690645	07/10/97	10:54	245	SR	10	1.18			0	0	0	ANGLE INTERSECTING	OFF ROADWAY	1	DRY	W	0	05	02	02
72920098	11/28/97	16:07	245	SR	10	1.34			0	0	0	REAR END	ON ROADWAY	1	DRY	W	0	05	04	04
71040131	05/03/97	11:06	245	SR	10	1.37			0	0	1	STRUCK OBJECT	OFF ROADWAY	1	WET	W	0	05	00	00
70970157	04/23/97	15:22	245	SR	10	1.67			0	0	0	STRUCK OBJECT	ON SHOULDER	1	WET	W	0	05	00	00
70710827	03/28/97	16:27	245	SR	10	2.18			0	0	0	REAR END	ON ROADWAY	1	WET	E	0	05	05	05
71690666	07/11/97	17:28	245	SR	10	2.37			0	0	0	SIDESWIPE OPP DIR	ON ROADWAY	1	DRY	E	0	05	05	05
72130851	09/05/97	6:31	245	SR	10	2.37			0	0	0	STRUCK OBJECT	OFF ROADWAY	3	DRY	E	0	05	00	00
72130778	09/03/97	18:22	245	SR	10	2.66			0	0	0	STRUCK OBJECT	ON ROADWAY	1	WET	E	0	05	00	00
70160619	01/23/97	21:42	245	SR	10	2.68	CR	127	0	0	1	ANGLE INTERSECTING	ON ROADWAY	4	DRY	S	0	05	01	05

REPORT TOTALS: ACCIDENTS: 34 FATALITIES: 0 INJURIES: 13

PAGE TOTALS: ACCIDENTS: 34 FATALITIES: 0 INJURIES: 13

DATA FC 998 (INCOMPLETE)  
COLUMBIA CO, SR 10, MILELOGS 2.22 - 6.93  
RICHMOND CO, SR 10, MILELOGS 0.00 - 3.34

CASE	DATE	TIME	COU	TP	ROUTE	MILE	INT RD TYPE	INT RD	RAMP SECT	F	INJ	TYPE	ACCIDENT	LOC	LI	SUR	D1	D2	VM1	VM
80880276	04/19/98	14:55	073	SR	10	2.63	CR	51	0	0	0	REAR END	WET	ON ROADWAY	1	W	W	04	05	05
82050642	08/01/98	11:26	073	SR	10	2.63	CR	51	0	0	1	REAR END	DRY	ON ROADWAY	1	W	W	05	05	05
80500020	03/12/98	21:26	073	SR	10	3.94			0	0	2	SIDESWIPE OPP DIR	DRY	ON ROADWAY	5	W	E	05	09	09
80140153	01/24/98	12:46	073	SR	10	4.80	CR	1153	0	0	0	ANGLE INTERSECTING	DRY	ON ROADWAY	1	S	W	01	05	05
81440280	06/19/98	15:30	073	SR	10	5.57			0	0	0	STRUCK OBJECT	WET	OFF ROADWAY	1	W	0	05	00	00
80140135	01/21/98	18:33	073	SR	10	6.57	CR	1150	0	0	0	ANGLE INTERSECTING	DRY	ON ROADWAY	1	W	S	05	01	01
81580837	07/04/98	17:42	073	SR	10	6.60	CR	899	0	0	1	STRUCK OBJECT	DRY	OFF ROADWAY	1	E	0	01	00	00
80670784	03/28/98	14:40	245	SR	10	0.66			0	0	0	STRUCK OBJECT	DRY	ON SHOULDER	1	E	0	05	05	05
80930117	04/22/98	12:17	245	SR	10	0.67	CR	126	0	0	0	STRUCK OBJECT	DRY	OFF ROADWAY	1	E	0	05	00	00
81040620	05/02/98	9:30	245	SR	10	0.68			0	0	0	STRUCK OBJECT	DRY	ON ROADWAY	1	E	0	05	00	00
81300787	06/06/98	7:25	245	SR	10	1.67			0	0	0	STRUCK OBJECT	DRY	OFF ROADWAY	1	E	0	05	00	00
80100387	01/20/98	7:53	245	SR	10	2.08			0	0	2	STRUCK OBJECT	DRY	ON ROADWAY	1	W	0	09	00	00
81730733	07/18/98	12:30	245	SR	10	2.17	CR	391	0	0	0	REAR END	DRY	OFF ROADWAY	1	E	E	0	06	06
80360702	02/20/98	8:03	245	SR	10	2.47			0	0	0	REAR END	DRY	ON ROADWAY	1	E	E	04	05	05
81300714	06/04/98	21:21	245	SR	10	2.58			0	0	0	SIDESWIPE OPP DIR	WET	ON ROADWAY	5	E	W	06	05	05
80430182	02/25/98	8:29	245	SR	10	2.68	CR	127	0	0	1	STRUCK OBJECT	WET	OFF ROADWAY	4	S	0	05	00	00
80100267	01/16/98	6:55	245	SR	10	2.68	CR	127	0	0	1	REAR END	WET	ON ROADWAY	1	W	W	05	04	04
80100222	01/15/98	7:40	245	SR	10	3.07			0	0	0	REAR END	WET	ON ROADWAY	1	E	E	05	04	04
80430107	02/22/98	14:00	245	SR	10	3.18			0	0	0	REAR END	WET	ON ROADWAY	1	W	E	05	05	05
81470866	06/17/98	13:31	245	SR	10	3.22			0	0	2	REAR END	DRY	ON ROADWAY	1	E	E	05	04	04
80060515	01/05/98	7:16	245	SR	10	3.33			0	0	0	REAR END	WET	ON ROADWAY	1	W	W	05	05	05

REPORT TOTALS..... ACCIDENTS: 21 FATALITIES: 0 INJURIES: 10

PAGE TOTALS..... ACCIDENTS: 21 FATALITIES: 0 INJURIES: 10

RATES FOR 1995  
 COLUMBIA CO, SR 10, MILELOGS 2.22 - 6.93  
 RICHMOND CO, SR 10, MILELOGS 0.00 - 3.34

COUNTY	ROUTE NUMBER	ROUTE SUFFIX	LOW MILELOG	HIGH MILELOG	ADT	DIST	VEHICLE MILES
073	0010	00	02.22	02.87	8500	0.63	5525
073	0010	00	02.87	06.93	5900	4.06	23954
245	0010	00	00.00	03.34	7200	3.34	24048

TOTAL VEHICLE MILES: 53527  
 AVERAGE ADT: 6649  
 LENGTH IN MILES: 8.05

TOTAL ACCIDENTS: 30 ACCIDENT RATE: 154  
 TOTAL INJURIES: 22 INJURY RATE: 113  
 TOTAL FATALITIES: 2 FATALITY RATE: 10.24

NOTE - RATES ARE PER 100 MILLION VEHICLE MILES.

YEAR OF DATA: 1995

1995 Statewide Rate - Rural Minor Arterial

<u>Accident Rate</u>	<u>Injury Rate</u>	<u>Fat Rate</u>
200	130	2.99

RATES FOR 1996  
 COLUMBIA CO, SR 10, MILELOGS 2.22 - 6.93  
 RICHMOND CO, SR 10, MILELOGS 0.00 - 3.34

4-Apr-2001  
 Page 1

COUNTY	ROUTE NUMBER	ROUTE SUFFIX	LOW MILELOG	HIGH MILELOG	ADT	DIST	VEHICLE MILES -
073	0010	00	02.22	02.87	6300	0.65	4095
073	0010	00	02.87	06.93	5900	4.06	23954
245	0010	00	00.00	03.34	7100	3.34	23714

TOTAL VEHICLE MILES: 51763  
 AVERAGE ADT: 6430  
 LENGTH IN MILES: 8.05

TOTAL ACCIDENTS:	26	ACCIDENT RATE:	138
TOTAL INJURIES:	18	INJURY RATE:	95
TOTAL FATALITIES:	1	FATALITY RATE:	5.29

NOTE - RATES ARE PER 100 MILLION VEHICLE MILES.

YEAR OF DATA: 1996

*1996 Statewide Rate - Rural Minor Arterial*

<u>Acc Rate</u>	<u>Inj Rate</u>	<u>Fat Rate</u>
216	132	2.63

RATES FOR 1997  
 COLUMBIA CO, SR 10, MILELOGS 2.22 - 6.93  
 RICHMOND CO, SR 10, MILELOGS 0.00 - 3.34

4-Apr-2001  
 Page 1

COUNTY	ROUTE NUMBER	ROUTE SUFFIX	LOW MILELOG	HIGH MILELOG	ADT	DIST	VEHICLE MILES -
073	0010	00	02.22	02.87	6400	0.65	4160
073	0010	00	02.87	06.93	6000	4.06	24360
245	0010	00	00.00	03.34	6900	3.34	23046

TOTAL VEHICLE MILES: 51566  
 AVERAGE ADT: 6406  
 LENGTH IN MILES: 8.05

TOTAL ACCIDENTS: 34      ACCIDENT RATE: 181  
 TOTAL INJURIES: 13      INJURY RATE: 69  
 TOTAL FATALITIES: 0      FATALITY RATE: 0.00

NOTE - RATES ARE PER 100 MILLION VEHICLE MILES.

YEAR OF DATA: 1997

*1997 Statewide Rate - Equal Minor Accidents*

<u>Acc Rate</u>	<u>Inj Rate</u>	<u>Fat Rate</u>
205	124	291

RATES FOR 1998 (INCOMPLETE)  
 COLUMBIA CO, SR 10, MILELOGS 2.22 - 6.93  
 RICHMOND CO, SR 10, MILELOGS 0.00 - 3.34

4-Adp-2001  
 Page 1

COUNTY	ROUTE NUMBER	ROUTE SUFFIX	LOW MILELOG	HIGH MILELOG	ADT	DIST	VEHICLE MILES
073	0010	00	02.22	02.87	6500	0.65	4225
073	0010	00	02.87	06.93	5500	4.06	22330
245	0010	00	00.00	03.34	5500	3.34	18370

TOTAL VEHICLE MILES: 44925  
 AVERAGE ADT: 5581  
 LENGTH IN MILES: 8.05

TOTAL ACCIDENTS: 21 \* ACCIDENT RATE: ~~0.00~~ N/A  
 TOTAL INJURIES: 10 \* INJURY RATE: ~~0.00~~ N/A  
 TOTAL FATALITIES: 0 FATALITY RATE: 0.00

\* Incomplete  
 N/A = Not Applicable

NOTE - RATES ARE PER 100 MILLION VEHICLE MILES.

YEAR OF DATA: 1998

January 28, 2003

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF CONSULTANT DESIGN

PROJECT CONCEPT REPORT

PROJECT NUMBER: STP-004-3(37)

P.I. NO.: 221790

COUNTY: Columbia/Richmond

FEDERAL ROUTE NO: US 78 / US 278

STATE ROUTE NO: SR 10

Recommendation for approval:

DATE January 30, 2003

Joseph D. Wheeler  
Project Manager

DATE January 31, 2003

James B. Buchanan MBA  
State Consultant Design 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).

2-3-03  
DATE

Mertal Rosen  
State Transportation Planning Administrator

DATE

Financial Management Administrator

DATE

State Environmental / Location Engineer

DATE

State Traffic Safety and Design Engineer

DATE

District Engineer

DATE

Project Review Engineer

DATE

State Bridge and Structural Design Engineer

January 28, 2003

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF CONSULTANT DESIGN

PROJECT CONCEPT REPORT

PROJECT NUMBER: STP-004-3(37)

P.I. NO.: 221790

COUNTY: Columbia/Richmond

FEDERAL ROUTE NO: US 78 / US 278

STATE ROUTE NO: SR 10

Recommendation for approval:

DATE January 30, 2003

Joseph D. Wheeler  
Project Manager

DATE January 31, 2003

James B. Bricker MBA  
State Consultant Design 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

Peggy Mitchell  
Financial Management Administrator

DATE

State Environmental / Location Engineer

DATE

State Traffic Safety and Design Engineer

DATE

District Engineer

DATE

Project Review Engineer

DATE

State Bridge and Structural Design Engineer

January 28, 2003

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF CONSULTANT DESIGN

PROJECT CONCEPT REPORT

PROJECT NUMBER: STP-004-3(37)

P.I. NO.: 221790

COUNTY: Columbia/Richmond

FEDERAL ROUTE NO: US 78 / US 278

STATE ROUTE NO: SR 10

Recommendation for approval:

DATE January 30, 2003

Joseph D. Wheeler  
Project Manager

DATE January 31, 2003

James B. Bricker MBA  
State Consultant Design 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	Financial Management Administrator
DATE	State Environmental / Location Engineer
DATE	State Traffic Safety and Design Engineer
<u>2/14/03</u> DATE	<u>Michael L. Thomas</u> District Engineer <i>vol</i>
DATE	Project Review Engineer
DATE	State Bridge and Structural Design Engineer

January 28, 2003

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF CONSULTANT DESIGN

PROJECT CONCEPT REPORT

PROJECT NUMBER: STP-004-3(37)

P.I. NO.: 221790

COUNTY: Columbia/Richmond

FEDERAL ROUTE NO: US 78 / US 278

STATE ROUTE NO: SR 10

Recommendation for approval:

DATE January 30, 2003

Joseph D. Wheeler  
Project Manager

DATE January 31, 2003

James B. Buchanan MBA  
State Consultant Design 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 _____	Financial Management Administrator
DATE _____	State Environmental / Location Engineer
DATE _____	State Traffic Safety and Design Engineer
DATE _____	District Engineer
DATE _____	Project Review Engineer
<u>Feb 21, 2003</u> DATE _____	<u>Paul V. Tiller Jr.</u> State Bridge and Structural Design Engineer

Department of Transportation  
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: STP-004-3(37), Columbia/Richmond Counties  
P.I. No. 221790

Office: Traffic Safety & Design  
Atlanta, Georgia

Date: February 10, 2003

*PMA*  
From: Phillip M. Allen, State Traffic Safety and Design Engineer

To: Meg Pirkle, Assistant Director of Preconstruction

Subject: Project Concept Report Review

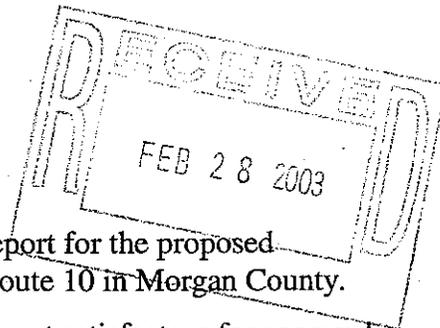
We have reviewed the above referenced concept report for the proposed widening and reconstruction of US 78/278 State Route 10 in Morgan County.

The Office of Traffic Safety & Design finds this report satisfactory for approval because it will improve safety and traffic operations within this area.

PMA/sz

Attachment (signature page)

Cc: Harvey Keepler, State Environment/Location Engineer  
Ben Buchan, State Consultant Design Engineer  
Attention: Joe Wheeler  
Mike Thomas, District Engineer  
Attention: George Brewer, District Design Engineer  
David Mulling, State Review Engineer, w/ attachment  
Marta Rosen, State Transportation Planning Administrator  
Paul Liles, State Bridge & Structural Engineer  
Chuck Hasty, TMC  
General Files  
Office Files



January 28, 2003

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF CONSULTANT DESIGN

PROJECT CONCEPT REPORT

PROJECT NUMBER: STP-004-3(37)

P.I. NO.: 221790

COUNTY: Columbia/Richmond

FEDERAL ROUTE NO: US 78 / US 278

STATE ROUTE NO: SR 10

Recommendation for approval:

DATE January 30, 2003

Joseph D. Wheeler  
Project Manager

DATE January 31, 2003

James B. Bricker MBE  
State Consultant Design 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	Financial Management Administrator
DATE	State Environmental / Location Engineer
<u>2/12/03</u> DATE	<u>Phillip M. Alk</u> State Traffic Safety and Design Engineer
DATE	District Engineer
DATE	Project Review Engineer
DATE	State Bridge and Structural Design Engineer

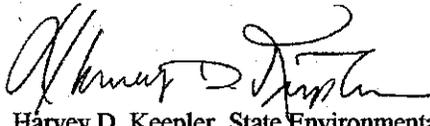
**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** P.I. No. 221790

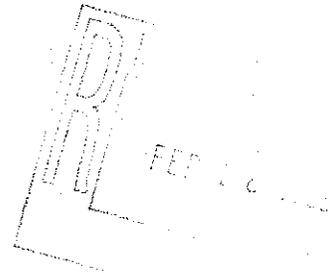
**OFFICE:** Environment/Location

**DATE:** February 26, 2003

**FROM:**   
Harvey D. Keeper, State Environmental/Location Engineer

**TO:** Meg Pirkle, Assistant Director of Preconstruction

**SUBJECT:** **PROJECT CONCEPT REPORT**  
STP-004-3(37) - COLUMBIA/RICHMOND COUNTY



The above subject concept report has been reviewed. Make sure you use the most recent accident data. A historic resources survey (still in progress) has identified at least 6 National Register resources along this corridor. Wetlands - 6 are mentioned but nothing about 5 streams/potential impacts. Impacts to streams can require a PAR and an individual 404 permit.

If you have any questions, please contact me at (404) 699-4401.

HDK/rtt

Attachment

cc: David Mulling, P.E.  
James B. Buchan

January 28, 2003

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF CONSULTANT DESIGN

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Joseph D. Wheeler  
Project Manager

DATE January 31, 2003

James B. Buchanan MBA  
State Consultant Design Engineer

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\_\_\_\_\_  
DATE

\_\_\_\_\_  
State Transportation Planning Administrator

\_\_\_\_\_  
DATE

\_\_\_\_\_  
Financial Management Administrator

2/12/03  
DATE

[Signature]  
State Environmental / Location Engineer

\_\_\_\_\_  
DATE

\_\_\_\_\_  
State Traffic Safety and Design Engineer

\_\_\_\_\_  
DATE

\_\_\_\_\_  
District Engineer

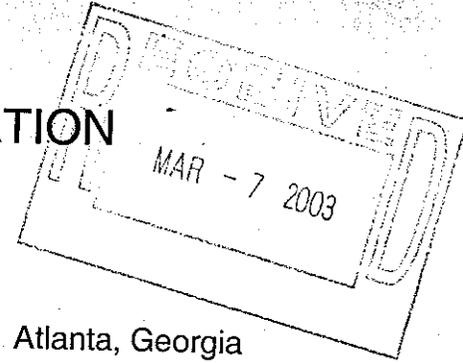
\_\_\_\_\_  
DATE

\_\_\_\_\_  
Project Review Engineer

\_\_\_\_\_  
DATE

\_\_\_\_\_  
State Bridge and Structural Design Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE STP-004-3(37) Columbia/Richmond Counties OFFICE Atlanta, Georgia  
State Route 10/U. S. 78/U. S. 278/Gordon Highway from  
4-lane in Harlem to State Route 223  
P. I. Number 221790 DATE March 3, 2003

A handwritten signature in cursive script, appearing to read "James B. Buchan".

FROM James B. Buchan, P. E., State Consultant Design Engineer  
TO Meg Pirkle, P.E., Assistant Director of Preconstruction

**SUBJECT Response to Comments**

Reference is made to Harvey Keeper's letter of February 26, 2003, regarding the project concept report for the subject project. This office offers the following responses to the comments in Mr. Keeper's letter:

1. The accident data in the report is for the years 1995-1997. This is the latest three-year period (typically used for concept reports) for which complete accident data is available.
2. This office is aware of the National Register resources in the corridor. However, the project as currently proposed does not impact any of these resources with the exception of the railroad bridge to Fort Gordon. The Fort has indicated that the bridge will be relocated and used as a pedestrian bridge in the City of Augusta.
3. A meeting was held on July 15, 2002, to discuss the stream and wetland impacts and the PAR. Attendees included representatives from this office, the Office of Environment/Location, and the consultant (Wolverton & Associates, Inc.) charged with developing the concept. Based on the guidance given at that meeting, it was determined at that meeting that a PAR would not be necessary for this project. A copy of the minutes of that meeting is attached.

If you have any questions, please contact Joe Wheeler at (404)657-9759.

JBB:JDW <sup>JDW</sup> <sup>MBA</sup>  
Attachment

cc: Harvey Keeper  
David Mulling