

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** STP-0000-00(399) Fayette County **OFFICE** Preconstruction  
P. I. No. 0000399  
SR 92 Road and Intersection Improvements **DATE** March 1, 2005  
**FROM** *Cyahn Kunkle*  
Margaret B. Pirkle, P.E., Assistant Director of Preconstruction  
**TO** *Ka-* 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
- Ken Thompson
- Jamie Simpson
- Michael Henry
- Keith Golden
- Joe Palladi (file copy)
- Paul Liles
- Babs Abubakari
- Thomas Howell
- BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** STP-0000-00(399) Fayette County **OFFICE** Preconstruction  
P.I. No. 0000399  
SR 92 Road and Intersection Improvements **DATE** January 25, 2005

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

**TO** *Paul V. Mullins*  
Paul V. Mullins, Chief Engineer

**SUBJECT** PROJECT CONCEPT REPORT

This project is the reconstruction of SR 92 from 0.5 mile south of Hilo Road to 0.5 mile north of Hilo Road, and intersection improvement at SR 92 at Hilo Road. The SR 92 corridor is functionally classified as a minor arterial. The existing facility is a two lane roadway with a posted speed of 55 MPH. The 2002 traffic (AADT) data for SR 92 in this area was 13,790. It is projected that traffic will increase to 22,288 AADT in the year 2027. The current level of service (LOS) is LOS "D." The projected 2007 level of service is "F" for no-build.

The construction consists of realigning CR 375 (Kingswood Drive) to intersect SR 92 opposite of CR 553 (Hilo Road) and adding right and left turn lanes on SR 92 at the intersection location. A cul-de-sac will be constructed at the end of the existing CR 375 (Kingswood Drive). State Route 92 will be reconstructed to improve sight distance (fill-in existing sag vertical curve). Reconstructed SR 92 will consist of two, 12' lanes with 10' shoulders (2' paved). Installation of a new stop and go traffic signal is recommended at this location.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion is anticipated; a public meeting is not required; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C and inflation)	\$1,228,000	\$1,279,000	Q21	Lump
Right-of-Way	\$ 791,000	\$ 791,000	Q21	Lump
Utilities*	\$ 130,000			

Paul V. Mullins

Page 2

STP-0000-00(399) Fayette

January 25, 2005

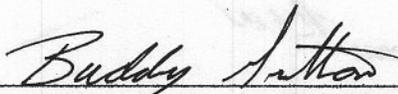
\*LGPA sent 12-20-99 requesting Fayette County do utilities; rescission letter sent to Fayette County 12-15-04.

I recommend this project concept be approved.

MBP:JDQ/cj

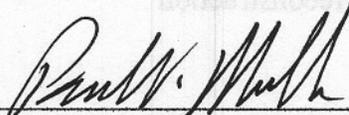
Attachment

CONCUR



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

APPROVE



Paul V. Mullins, P.E., Chief Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

**FILE:** STP-0000-00(399) Fayette  
P.I. No. 0000399  
S.R. 92 Intersection Improvements

**OFFICE:** Engineering Services

**DATE:** January 19, 2005

**FROM:** David Mulling, Project Review Engineer *REW*

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

**SUBJECT:** CONCEPT REPORT

We have reviewed the Concept Report submitted January 7, 2005 by the letter from Thomas Howell dated January 4, 2005 and have no comments:

The costs for the project are:

Construction	\$930,523
*Inflation	\$186,105
E&C	\$111,663
Reimbursable Utilities	\$130,000 (Status of LGPA is not known)
Right of Way	\$791,125

\* Inflation was capped at 20%.

REW

c: Thomas Howell, Attn.: Bill Rountree

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> STP-0000-00(399)		<b>County:</b> Fayette		<b>PI No.:</b> 0000399	
<b>Report Date:</b> January 4, 2005		<b>Concept By:</b> DOT Office: District 3			
<input checked="" type="checkbox"/> <b>Concept Stage</b>		<b>Consultant:</b> Gresham Smith & Partners			
<b>Project Type:</b> Choose One From Each Column		<input type="checkbox"/> Major	<input checked="" type="checkbox"/> Urban	<input type="checkbox"/> ATMS	
		<input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Rural	<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	
<b>FOCUS AREAS</b>	<b>SCORE</b>	<b>RESULTS</b>			
<b>Presentation</b>	100				
<b>Judgement</b>	100				
<b>Environmental</b>	100				
<b>Right of Way</b>	100				
<b>Utility</b>	100				
<b>Constructability</b>	100				
<b>Schedule</b>	100				

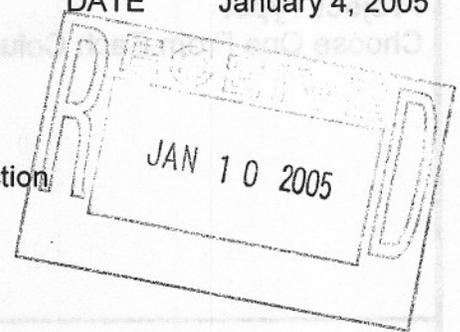
DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-0000-00(399) Fayette County OFFICE Thomaston  
P. I. No. 0000399  
SR92 Roadway Realignment & Intersecton Improvement  
DATE January 4, 2005

FROM <sup>AJR</sup> FOR Thomas B. Howell, P.E., District Engineer  
TO Meg Pirkle, P.E., Assistant Director of Preconstruction

SUBJECT **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 additional information is needed, contact Bill Rountree, District Design Engineer, at (706) 646-6604.

WJR:AJR

- c: David Mulling, Project Review Engineer
- Harvey Keepler, State Environmental/Location Engineer
- Phillip Allen, State Traffic Safety and Design Engineer
- Joseph Palladi, State Transportation Planning Administration
- Jamie Simpson, State Financial Management Administrator
- David Millen, District Preconstruction Engineer
- Lamar Pruitt, District Construction Engineer
- Keith Rohling, District Traffic Operations Engineer
- Ken Robinson, District Maintenance Engineer
- Debra Benton, District Environmentalist
- Tommy Cleveland, District Location Engineer
- Ethel White, District Scheduling Technician

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF DISTRICT THREE DESIGN

# PROJECT CONCEPT REPORT

STP-0000-00(399)  
FAYETTE COUNTY  
P.I. No. 0000399

FEDERAL ROUTE NO: N/A  
STATE ROUTE NO: 92

*Roadway Realignment and Intersection Improvement*

**Recommendation for approval:**

DATE 1/4/05

DATE 1/4/05

*William J. ...*  
Project Manager  
*Paul B. Howell*  
District Engineer

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

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

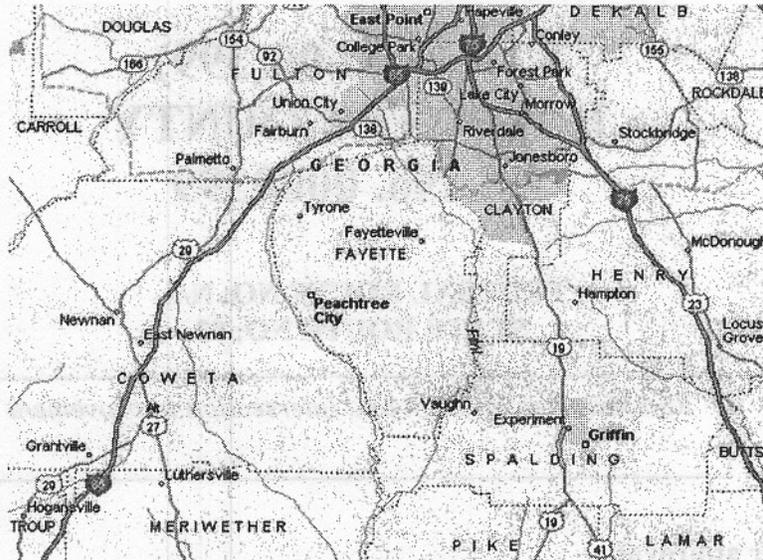
DATE \_\_\_\_\_  
State Financial Management Administrator

DATE \_\_\_\_\_  
State Environmental / Location Engineer

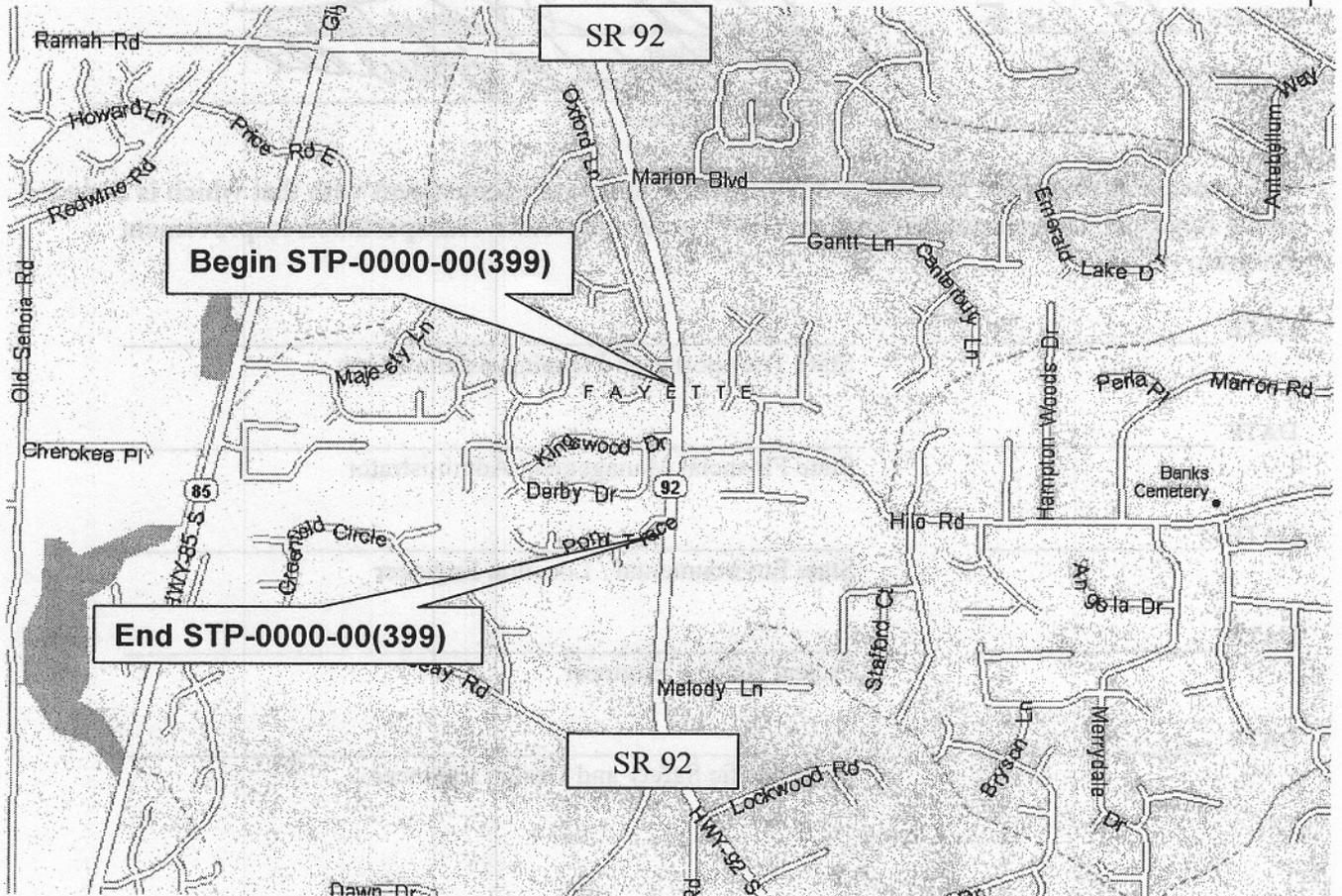
DATE \_\_\_\_\_  
Project Review Engineer

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

**PROJECT LOCATION MAP**



**Fayette County**



**Location of Project in Fayette County**

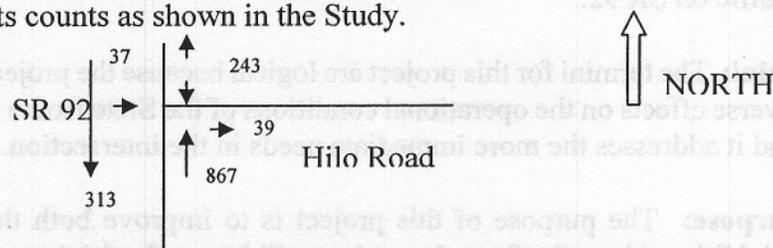
**Background:** In May of 1999 this project was recommended by the Thomaston District staff as part of the P.N.R.C. review process based on the District's review of problem intersections. Based on the data provided, the committee added this project to the Department's construction work program on 9/15/99.

The Atlanta Regional Commission (ARC) is currently updating the Transportation Plan for the 18-county Atlanta Metropolitan area. The Plan addresses travel needs through the year 2030. The Regional Transportation Plan (RTP) is the direct result of a comprehensive, cooperative, and continuous planning process conducted by ARC, local governments and the Georgia Department of Transportation in cooperation with the Federal Highway and Federal Transit Administrations. The proposed project is recommended in the TIP/RTP (AR-118A).

**Existing Roadway Characteristics:** The State Route 92 corridor is functionally classified as a minor arterial. The existing facility is a two lane road with a posted speed limit of 55 MPH. The project proposes to construct a left turn lane on State Route 92 for southbound traffic turning left onto Hilo Road. Because this project will involve widening of *less than one-quarter mile* to construct the turn lane; it is considered exempt from air quality analysis. The project also proposes to fill-in the existing sag vertical curve for better sight distance.

**Operational Analysis:** The 2002 traffic (AADT) data for State Route 92 in this area was 13,790. It is anticipated that traffic will increase to 22,288 AADT, in the year 2027 using a 2% growth factor. This is an increase in the existing traffic of approximately 62% for this section of roadway. This route is designated as an arterial with an estimated 15% trucks. The current Level of Service is LOS D. The projected 2027 Level of Service is F for no-build. The construction of PI 321950 will address the projected traffic increase; however, construction is currently in long range.

The TE study done by Day Wilburn and Associates (DWA) in January of 2004 looked at both the capacity and turning movements for the intersection of SR 92 and Hilo Road. Below is a diagram that depicts the peak hour turning movements counts as shown in the Study.



Left turn lane analysis based on advancing and opposing traffic volumes indicates the need for a southbound left turn lane from SR 92 to Hilo Road. The need for the left turn lane is also supported by the crash data at the intersection.

Based on the capacity analysis results from the study, the westbound minor street approach on Hilo Road will experience LOS F operational conditions during the AM peak hour and operate in an LOS (D or better) during the Noon and PM peak hour periods for analysis year 2003.

**Projects In Area:** The following projects are located within the area and are programmed in the Department's Construction Work Program and Long Range Program:

Project Number	Project Description	Project Schedule
P I No. 371447	<b>Redwine Multi-Use Trail Phase 3 and 4</b>	PE - LOCL ROW -.LOCL CST - 2005
P I No. 371446	<b>Redwine Multi-Use Trail Phase 1</b>	PE - 2002 ROW -.2004 CST - 2004
P I No. 321950	<b>SR 92 from McBride Rd to J. Mayfield Dr</b>	PE - Long Range ROW -.Long Range CST - Long Rang
P I No. 321960	<b>SR 85 S/Fayetteville from S. Bernhard Rd to Old SR 92/Fayetteville</b>	PE - 1992 ROW - Long Range CST - Long Range

**Safety:** In 1995, 1996, 1997, and 2001 the last four years accident data are available, there were 18 accidents reported along this section of SR 92 in Fayette County. Accident rates are considerably lower than statewide averages for all years reported with the exception of year(s) 1996 and 1997.

	1995	1996	1997	2001
Total Accidents	4	5	7	2
Accidents Per 100 MVMT	398	513	688	278
Statewide Accidents Per 100 MVMT	549	528	552	550
Accident % Higher/Lower Than Statewide Average	-28%	-3%	+25%	-49%

Accident data shows that the predominant type of accidents on this facility is rear end collisions. This project should help to mitigate this type of accident by removing traffic stopping to turn left from the thru lane on SR 92. Eliminating the vertical sag will also provide motorists with improved sight distance for southbound traffic on SR 92.

**Logical Termini:** The termini for this project are logical because the project can stand on its own; it has no significant adverse effects on the operational conditions of the State Route 92 corridor beyond the limits of the project; and it addresses the more immediate needs in the intersection.

**Need and Purpose:** The purpose of this project is to improve both the operations and safety of the intersection. Additional benefits from the project will be a safer driving environment

**Proposed Improvements:** CR 375 (Kingswood Drive) will be realigned to intersect SR 92 opposite CR 553 (Hilo Road). Left and right turn lanes will be added in both directions on SR 92 at the new intersection location. A cul-de-sac will be constructed at the end of the existing CR 375 (Kingswood Drive). The installation of a stop and go traffic signal is recommended at this location based on findings presented in the Traffic Signal Warrant Analysis prepared by Day Wilburn in January of 2004.

**Description of the proposed project:** This project is located on SR 92 in Fayette County. The project consists of realigning CR 375 (Kingswood Drive) to intersect SR 92 opposite of CR 553 (Hilo Road) and adding right and left turn lanes on SR 92 at the new intersection location. A cul-de-sac will be constructed at

the end of the existing CR 375 (Kingswood Drive). The widening on SR 92 will occur on both sides of the existing roadway. The installation of a stop and go traffic signal is recommended at this location based on findings presented in the Traffic Signal Warrant Analysis prepared by Day Wilburn in January of 2004.

The existing land use within the limits of the project is a mixture of undeveloped rural land, single-family residences, and scattered retail and industrial development. The major land use is timber covered non-agricultural land.

The existing right of way is 100 feet wide along SR 92. To accommodate the construction of the proposed realignment and intersection improvement, acquisition of approximately 20 to 50 feet of additional right of way will be required on each side of SR 92 for the proposed widening.

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

PDP Classification: Major , or Minor

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

Functional Classification: *Urban Minor Arterial*

U. S. Route Number(s): *N/A*

State Route Number(s): *92*

Traffic (AADT):

*SR 92 from Hilo Road to Kingswood Drive*

Current Year: (2010) 21,200 Design Year: (2030) 38,000

K = 10%

D = 50%

T = 5%

24 HR T = 6%

**Existing design features:**

- Typical Section: *2-12 ft. travel lanes, one in each direction, with 5 ft. grass shoulders.*
- Posted speed: 55mph Maximum degree of curvature: 5.00
- Maximum grade: 6.26% (SR 92)
- Width of right of way: 100'
- Major structures: *None.*
- Major interchanges or intersections along the project: *CR 553 (Hilo Road), CR 375 (Kingswood Drive)*
- Existing length: 0.37 miles
- Beginning mile log is: MP 0.00 (Fayette County)

**Proposed Design Features:**

- Proposed typical section(s): *2-12 ft. travel lanes, one in each direction, 1-12 left turn lane and 1-12 ft. right turn lane with 2 ft. paved and 8 ft. grassed shoulders on both sides of the roadway. Installation of a new stop and go traffic signal is recommended at this location.*
- Proposed Design Speed Mainline: *55 mph*
- Proposed Maximum grade Mainline: *4.5 %*                      Maximum grade allowable: *4.5%.*
- Proposed Maximum grade Side Street: *8.5%*                      Maximum grade allowable: *8.5%*
- Proposed Maximum grade driveway: *15%*
- Proposed Maximum degree of curve: *5.00*                      Maximum degree allowable: *6.00*
- Right of way
  - Width: *20' to 50' Additional*
  - Easements: Temporary , Permanent , Utility , Other .
  - Type of access control: Full , Partial , By Permit , Other .
  - Number of parcels: *4*                      Number of displacements: *0*
    - Business: *0*
    - Residences: *0*
    - Mobile homes: *0*
    - Other: *0*
- Structures:
  - Bridges: *None*
  - Retaining walls: *None*
- Major intersections and interchanges: *Hilo Road, Kingswood Drive*
- Traffic control during construction: *To be constructed under traffic.*
- Design Exceptions to controlling criteria anticipated:

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

- Design Variances: *None Anticipated*

## Environmental Concerns

- **Archaeological/Historical:** It is anticipated that this project will have no adverse effects on archaeological and/or historical sites.
- **Endangered Species:** It is anticipated that this project will have no adverse effects on threatened or endangered species and associated habitat.
- **Floodplain:** N/A
- **Wetland:** None apparent
- **Noise:** Existing noise levels at the scattered residences along the project will need to be determined. The noise levels will need to be predicted using accepted methods and a determination made of the traffic noise impacts using Noise Abatement Criteria (NAC) in 23 CFR 772. In general, projects of this type will have small incremental increases of future noise levels over existing noise levels however the total noise level for the proposed facility should not exceed NAC. Noise impacts are expected to be minimal to none.
- **Prime Farmland:** No concerns.
- **UST/Landfill/Haz Mat:** It is anticipated that this project will have no adverse effects on any underground storage tanks, landfills, or hazardous material sites.
- **Level of Environmental Analysis:** Categorical Exclusion
- **Utility involvements:** Utility relocations will involve an existing power line and water line located within the project limits. There may be reimbursable utilities located throughout the project.

## Project responsibilities:

- Design: *GDOT*
- Right of Way Acquisition: *GDOT*
- Relocation of Utilities: *Undetermined (PMA has not been sent)*
- Letting to contract: *GDOT*
- Supervision of construction: *GDOT*
- Providing material pits: *Contractor*
- Providing detours: *N/A*

## Coordination

- Initial Concept Meeting date and brief summary. *See attached summary (00-00-03)*
- Concept meeting date and brief summary. *See attached summary (00-00-03)*
- P. A. R. meetings, dates and results. *Not required*
- FEMA, USCG, and/or TVA. *N/A*
- Public involvement. *None required*
- Local government comments: *A PMA has not been sent*
- Other projects in the area. *See Need and Purpose*
- Other coordination to date. *None*

### Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 12 Months.
- Time to complete preliminary construction plans: 6 Months.
- Time to complete right of way plans: 2 Months.
- Time to complete the Section 404 Permit: 6 Months.
- Time to complete final construction plans: 4 Months.
- Time to complete purchase of right of way: 12 Months.

### Other alternates considered:

1. No Build

### Comments:

#### Attachments:

1. Cost Estimates:
  - a. Construction including E&C,
  - b. Right of Way, and
  - c. Utilities
2. Typical sections
3. Accident Summaries
4. Minutes of Concept meetings
5. Location and Design Notice
6. Concept Report Rating Form

- Project responsibilities:
- Design: GDOT
  - Right of Way Acquisition: GDOT
  - Relocation of Utilities: Undetermined (PMA has not been sent)
  - Letting to construct: GDOT
  - Supervision of construction: GDOT
  - Providing material p/c: Contractor
  - Providing detour: WA
- Coordination
- Initial Concept Meeting date and brief summary. See attached summary (00-00-03)
  - Concept meeting date and brief summary. See attached summary (00-00-03)
  - T. A. R. meetings, dates and results. Not required
  - FEMA, USCG, and/or TVA. Not required
  - Public involvement. Not required
  - Local government comments. A PMA has not been sent
  - Other projects in the area. See Need and Purpose
  - Other coordination to date. None

PROJECT NO. STP-0000-00(399)

PREPARED BY: Gresham Smith and Partners

PROJECT LENGTH: 0.37 miles

ESTIMATED LETTING DATE:

PROGRAMMING PROCESS  CONCEPT DEVELOPMENT  DURING PROJECT DEV.

<b>PROJECT COST</b>	
<b>A. RIGHT-OF-WAY:</b>	
1. PROPERTY (LAND & EASEMENT )	\$ 227,855.00
2. DISPLACEMENTS: RES: 0, BUS: 0, M.H.: 0	\$ 0.00
3. OTHER COST (ADM./COST, INFLATION)	\$ 563,257.00
<b>SUBTOTAL:A</b>	<b>\$ 791,125.00</b>
<b>B. REIMBURSABLE UTILITIES:</b>	
1. RAILROAD	\$ 0.00
2. TRANSMISSION LINES	\$ 130,000.00
3. SERVICES	\$ 0.00
<b>SUBTOTAL:B</b>	<b>\$ 130,000.00</b>
<b>C. CONSTRUCTION:</b>	
1. MAJOR STRUCTURES	
a. OVERPASSES	\$ 0.00
b. OTHER	\$ 0.00
<b>SUBTOTAL:C-1</b>	<b>\$ 0.00</b>
2. GRADING AND DRAINAGE:	
a. EARTHWORK	
1) Permanent Borrow ( 36,000 CY @ \$5.50/CY)	\$ 198,000.00
2) Permanent Excavation ( 30,800 CY @ \$2.50/CY)	\$ 77,000.00
b. DRAINAGE:	
1) Cross Drain Pipe (LUMP)	\$ 14,500.00
2) Curb and Gutter ( 0 ft @ \$10.00/ft)	\$ 0.00
3) Longitudinal System(include catch basins)	\$ 0.00

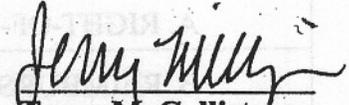
<b>PROJECT COST</b>		
SUBTOTAL:C-2		\$ 289,500.00
<b>3. BASE AND PAVING:</b>		
a. AGGREGATE BASE ( 4,914 Ton @ \$15.00/ Ton)		\$ 73,710.00
b. ASPHALT PAVING:		
Surface (876 Ton @ \$40.00/ Ton)	\$ 35,040.00	
Binder ( 1,601 Ton @ \$43.00/ Ton)	\$ 68,843.00	
Base ( 2,402 Ton @ \$43.00/ Ton)	\$ 103,286.00	
Leveling ( 83 Ton @ \$43.00/ Ton)	\$ 3,569.00	
SUBTOTAL:C-3.b		\$ 207,169.00
c. CONCRETE PAVING		\$ 0.00
d. OTHER (Bituminous Tack: 7,535 Gal @ \$1.00/ Gal)		\$ 2,540.00
SUBTOTAL:C-3		\$ 286,988.00
<b>4. LUMP ITEMS:</b>		
a. GRASSING ( 4 ac @ \$4,800/ ac)		\$ 19,200.00
b. CLEARING AND GRUBBING		\$ 194,555.00
c. LANDSCAPING		\$ 0.00
d. EROSION CONTROL (LUMP)		\$ 50,000.00
e. TRAFFIC CONTROL		\$ 30,000.00
SUBTOTAL:C-4		\$ 293,755.00
<b>5. MISCELLANEOUS:</b>		
a. LIGHTING ( )		\$ 0.00
b. SIGNING - MARKING (\$12,000/mile)		\$ 5,280.00
c. GUARDRAIL - ( 0 ft @ \$10.00/ ft)		\$ 0.00
d. SIDEWALK ( 0 yd <sup>2</sup> @ \$20.00/ yd <sup>2</sup> )		\$ 0.00
e. TRAFFIC SIGNAL INSTALLATION		\$ 55,000.00
SUBTOTAL:C-5		\$ 60,280.00

<b>ESTIMATE SUMMARY</b>		
A. RIGHT-OF-WAY		\$ 791,125.00
B. REIMBURSABLE UTILITIES		\$ 130,000.00
C. CONSTRUCTION		
1. MAJOR STRUCTURES		\$ 0.00
2. GRADING AND DRAINAGE		\$ 289,500.00
3. BASE AND PAVING		\$ 286,988.00
4. LUMP ITEMS		\$ 293,755.00
5. MISCELLANEOUS		\$ 60,280.00
6. SPECIAL FEATURES		\$ 0.00
SUBTOTAL CONSTRUCTION COST		\$ 930,523.00
E. & C. (10%)		\$ 93,052.30
INFLATION (5% PER YEAR)		\$ 255,893.83
NUMBER OF YEARS	5	
TOTAL CONSTRUCTION COST		\$ 1,279,469.13
<b>GRAND TOTAL PROJECT COST</b>		<b>\$ 2,200,594.13</b>

This project is 100 percent in congressional district 8.

Total Cost \$ 2,200,594.13

# Preliminary Right of Way Cost Estimate

  
**Jerry McCollister**  
 Right of Way Administrator  
 By: Jerry Milligan

**Date:** March 5, 2004  
**Project:** STP-0000-00(399)Fayette  
**Existing/Required R/W:** Varies/Varies  
**Project Termini:** SR 92 @ Hilo Road  
**Project Description:** SR 92 from Pond Trace Circle to Kingswood Dr.

**P.I. Number:** 0000399  
**No. Parcels:** 16

<b>Land:</b> Residential 145,360 sf @ \$.57 / sf	\$ 82,855
<b>Improvements :</b> landscaping, landscaping, fencing, misc.	75,000
<b>Relocation:</b> Residential ( 0 ) Commercial ( 0 )	0
<b>Damage :</b> Proximity (2) parcel	<u>70,000</u>

Net Cost \$ 227,855

Net Cost		\$ 227,855
Scheduling Contingency	55 %	125,320
Adm/Court Cost	60 %	211,905
Inflation Factor	40 %	<u>226,032</u>
		\$ 791,112

**Total Cost \$ 791,125**

Project Concept Report page 13  
Project Number: STP-0000-00(399)  
P. I. Number: 0000399  
County: Fayette

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE Project # STP-000-00(399), Fayette County OFFICE Thomaston  
P.I. # 0000399 DATE September 24, 2003

FROM Thomas B. Howell, P.E., District Engineer

TO David Millen, District Preconstruction Engineer  
Attn: Jack Reed, District Design Squad Leader

SUBJECT UTILITY COST ESTIMATE

The following is a ballpark utility cost estimate for facilities located within the scope of the above referenced project.

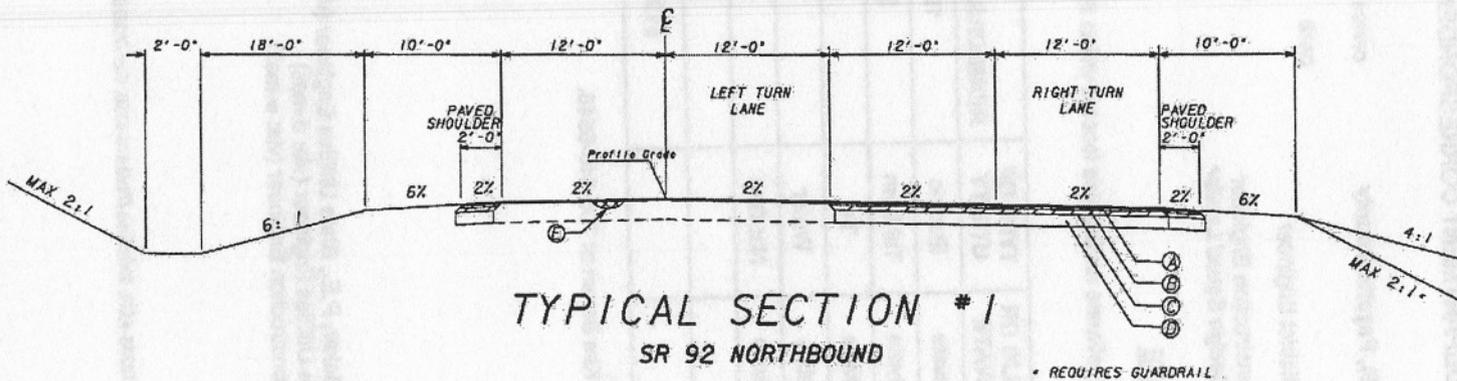
UTILITY OWNER	PUBLIC OR PRIVATE	TYPE OF UTILITY	REIMBURSABLE	NON-REIMBURSABLE
Coweta-Fayette EMC	Private	Electric	100,000	
BellSouth	Private	Tel Com	30,000	45,000
Comcast	Private	TV		30,000
Fayette Co Water System	Public	Water		60,000
Atlanta Gas Light	Private	Nat Gas		50,000
<b>TOTAL PROJECT COST</b>			<b>\$130,000</b>	<b>\$185,000</b>

If you have any questions, please call Kim Brown at 706-646-6548.

KMG:KB:pls

cc: Elaine Jackson, Secretary to Jeff Baker, P.E., State Utilities Engineer (via: e-mail)  
Scott Greene, P.E., Assistant State Utilities Engineer (via: e-mail)  
Terry Brigman, State Utilities Preconstruction Engineer (via: e-mail)

STP-0000-00(399)  
 FAYETTE COUNTY  
 SR 92

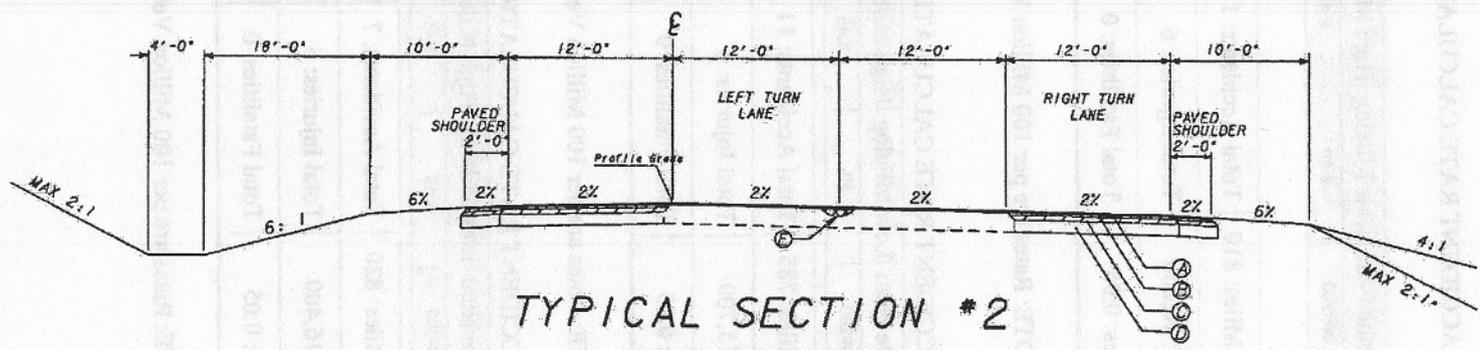


SR 92 PAVEMENT

- (A) RECYCLED ASPHALTIC CONCRETE 12.5 mm, SUPERPAVE, GP 2 ONLY, INCL. BITUM. MAT'L & H. LIME (165 LB/SQ. YD.)
- (B) RECYCLED ASPHALTIC CONCRETE 19 mm, SUPERPAVE, GP 1 OR 2, INCL. BITUM. MAT'L & H. LIME (220 LB/SQ. YD.)
- (C) RECYCLED ASPHALTIC CONCRETE 25 mm, SUPERPAVE, GP 1 OR 2, INCL. BITUM. MAT'L & H. LIME (330 LB/SQ. YD.)
- (D) GRADED AGGREGATE BASE, 10 IN.
- (E) ASPHALTIC CONCRETE LEVELING INCL. BITUM. MAT'L AND H. LIME  
 SUPERPAVE MIX DESIGN LEVEL B

NOT TO SCALE  
 STP-0000-00(399)  
 FAYETTE COUNTY  
 PI # 0000399

STP-0000-00(399)  
 FAYETTE COUNTY  
 SR 92



TYPICAL SECTION #2  
 SR 92 SOUTHBOUND

SR 92 PAVEMENT

- (A) RECYCLED ASPHALTIC CONCRETE 12.5 mm, SUPERPAVE, GP 2 ONLY, INCL. BITUM. MAT'L & H. LIME (165 LB/SQ. YD.)
- (B) RECYCLED ASPHALTIC CONCRETE 19 mm, SUPERPAVE, GP 1 OR 2, INCL. BITUM. MAT'L & H. LIME (220 LB/SQ. YD.)
- (C) RECYCLED ASPHALTIC CONCRETE 25 mm, SUPERPAVE, GP 1 OR 2, INCL. BITUM. MAT'L & H. LIME (330 LB/SQ. YD.)
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- (E) ASPHALTIC CONCRETE LEVELING INCL. BITUM. MAT'L AND H. LIME  
 SUPERPAVE MIX DESIGN LEVEL B

NOT TO SCALE  
 STP-0000-00(399)  
 FAYETTE COUNTY  
 PI \* 0000399

## FAYETTE COUNTY, SR 92 (ML 8.40 – 8.45)

### ACCIDENT RATE CALCULATION for years 1995, 1996, 1997, 2000, 2001

#### ACCIDENT RATE CALCULATION 1995

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
1995	Fayette	1	009200	8.40	8.45	16,200	0.05	810

Total Vehicle Miles: 810	Total Accidents: 11	Accident Rate: 3,721
Average ADT: 16,200	Total Injuries: 6	Injury Rate: 2,029
Length in Miles: 0.05	Total Fatalities: 0	Fatality Rate: 0.00

NOTE: Rates are per 100 Million Vehicle Miles

#### ACCIDENT RATE CALCULATION 1996

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
1996	Fayette	1	009200	8.40	8.45	15,700	0.05	785

Total Vehicle Miles: 785	Total Accidents: 11	Accident Rate: 3,839
Average ADT: 15,700	Total Injuries: 6	Injury Rate: 2,094
Length in Miles: 0.05	Total Fatalities: 0	Fatality Rate: 0.00

NOTE: Rates are per 100 Million Vehicle Miles

#### ACCIDENT RATE CALCULATION 1997

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
1997	Fayette	1	009200	8.40	8.45	16,400	0.05	820

Total Vehicle Miles: 820	Total Accidents: 7	Accident Rate: 2,339
Average ADT: 16,400	Total Injuries: 6	Injury Rate: 2,005
Length in Miles: 0.05	Total Fatalities: 0	Fatality Rate: 0.00

NOTE: Rates are per 100 Million Vehicle Miles

ACCIDENT RATE CALCULATION 2000

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
2000	Fayette	1	009200	8.40	8.45	20,100	0.05	1,005

Total Vehicle Miles: 1,005	Total Accidents: 9	Accident Rate: 2,453
Average ADT: 20,100	Total Injuries: 9	Injury Rate: 2,453
Length in Miles: 0.05	Total Fatalities: 0	Fatality Rate: 0.00

NOTE: Rates are per 100 Million Vehicle Miles

ACCIDENT RATE CALCULATION 2001

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
2001	Fayette	1	009200	8.40	8.45	11,600	0.05	580

Total Vehicle Miles: 580	Total Accidents: 12	Accident Rate: 5,668
Average ADT: 11,600	Total Injuries: 4	Injury Rate: 1,889
Length in Miles: 0.05	Total Fatalities: 0	Fatality Rate: 0.00

NOTE: Rates are per 100 Million Vehicle Miles

Project Concept Report page 18  
Project Number: STP-0000-00(399)  
P. I. Number: 0000399  
County: Fayette

## NOTICE OF LOCATION AND DESIGN APPROVAL

### STP-0000-00(399) FAYETTE COUNTY

P. I. No. 0000399

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

Date of Location and Design Approval: MARCH 1, 2005

This project is located on SR 92 in Fayette County. The project consists of realigning CR 375 (Kingswood Drive) to intersect SR 92 opposite of CR 553 (Hilo Road) and adding right and left turn lanes on SR 92 at the new intersection location. A cul-de-sac will be constructed at the end of the existing CR 375 (Kingswood Drive). The widening on SR 92 will occur on both sides of the existing roadway.

This project lies within Fayette County.

Traffic will remain on the existing road while the project is built.

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

Marc Mastronardi, Area Engineer  
1001 Highway 19 South  
Griffin, GA 30223  
770-228-7205  
[marc.mastronardi@dot.state.ga.us](mailto:marc.mastronardi@dot.state.ga.us)

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:

William J. Rountree, P.E., District Design Engineer  
Georgia Department Of Transportation  
715 Andrews Drive  
Thomaston, Georgia 30286-4524  
(706) 646-6604  
[bill.rountree@dot.state.ga.us](mailto:bill.rountree@dot.state.ga.us)

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

**SCORING RESULTS AS PER TOPPS 2440-2**

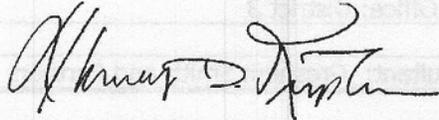
<b>Project Number:</b> STP-0000-00(399)		<b>County:</b> Fayette		<b>PI No.:</b> 0000399	
<b>Report Date:</b> July 2, 2004		<b>Concept By:</b> URS Corporation			
		DOT Office: District 3			
<input checked="" type="checkbox"/> CONCEPT		Consultant: Gresham Smith and Partners			
<b>Project Type:</b> Choose One From Each Column		<input type="checkbox"/> Major	<input type="checkbox"/> Urban	<input type="checkbox"/> ATMS	
		<input checked="" type="checkbox"/> Minor	<input checked="" type="checkbox"/> Rural	<input type="checkbox"/> Bridge	
				<input type="checkbox"/> Building	
				<input type="checkbox"/> Interchange	
				<input checked="" type="checkbox"/> Intersection	
				<input type="checkbox"/> Interstate	
				<input type="checkbox"/> New Location	
				<input type="checkbox"/> Widening & Reconstruction	
				<input type="checkbox"/> Miscellaneous	
<b>FOCUS AREAS</b>	<b>SCORE</b>	<b>RESULTS</b>			
<u>Presentation</u>					
<u>Judgment</u>					
<u>Environmental</u>					
<u>Right of Way</u>					
<b>Utility</b>					
<b>Constructability</b>					
<b>Schedule</b>					

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** P.I. No. 0000399

**OFFICE:** Environment/Location

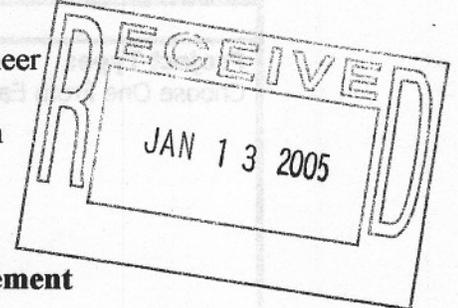


**DATE:** January 12, 2005

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

**TO:** Margaret B. Pirkle, Assistant Director of Preconstruction

**SUBJECT:** PROJECT CONCEPT REPORT  
STP-0000-00(399) / Fayette County  
SR 92 Roadway Realignment & Intersection Improvement



The above subject concept report has been reviewed. This Office has no comment at this time.

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

HDK/lc

Attachment

cc: David Mulling, P.E., Project Review Engineer  
Thomas B. Howell, P.E., Metro District Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF DISTRICT THREE DESIGN

# PROJECT CONCEPT REPORT

STP-0000-00(399)  
FAYETTE COUNTY  
P.I. No. 0000399

FEDERAL ROUTE NO: N/A  
STATE ROUTE NO: 92

*Roadway Realignment and Intersection Improvement*

**Recommendation for approval:**

DATE 1/4/05 *William J. [Signature]*  
Project Manager  
DATE 1/4/05 *Paul B. Howell*  
District Engineer

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

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

DATE \_\_\_\_\_  
State Financial Management Administrator

DATE 1.12.05 *[Signature]*  
State Environmental / Location Engineer

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

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

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF DISTRICT THREE DESIGN

PROJECT CONCEPT REPORT

STP-0000-00(399)  
FAYETTE COUNTY  
P.I. No. 0000399

FEDERAL ROUTE NO: N/A  
STATE ROUTE NO: 92

*Roadway Realignment and Intersection Improvement*

Recommendation for approval:

DATE 1/4/05

*William J. Pauntree*  
Project Manager

DATE 1/4/05

*Paul B. Howell*  
District Engineer

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

DATE \_\_\_\_\_

State Transportation Planning Administrator

DATE 1-7-05

*James D. Ingram*  
State Financial Management Administrator

DATE \_\_\_\_\_

State Environmental / Location Engineer

DATE \_\_\_\_\_

Project Review Engineer

DATE \_\_\_\_\_

State Traffic Safety and Design Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
Department of Transportation  
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

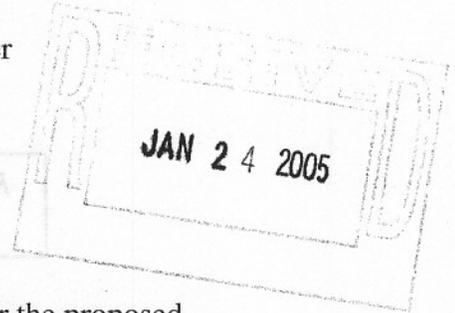
File: STP 0000-00(399), Fayette County  
P.I. No. 0000399

Office: Traffic Safety & Design  
Atlanta, Georgia  
Date: January 15, 2005

*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 realignment of CR 375 (Kingswood Drive) to intersect with SR 92 and the widening /installation of stop and go signal at SR 92 intersection with CR 375/CR 553 in Fayette County.

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

PMA/SZ/nr

Attachment (signature page)

Cc: Harvey Keepler, State Environment /Location Engineer  
David Mulling, State Review Engineer  
Joe Palladi, State Transportation Planning Administrator  
Jamine Simpson, Financial Management Administrator  
Thomas Howell, District Engineer  
Attn: Bill Rountree, District Design Engineer  
General Files  
Office Files

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF DISTRICT THREE DESIGN

**PROJECT CONCEPT REPORT**

**STP-0000-00(399)  
FAYETTE COUNTY  
P.I. No. 0000399**

**FEDERAL ROUTE NO: N/A  
STATE ROUTE NO: 92**

*Roadway Realignment and Intersection Improvement*

**Recommendation for approval:**

DATE 1/4/05 *William J. Pauntee*  
Project Manager  
DATE 1/4/05 *Paul B. Howell*  
District Engineer

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

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

DATE \_\_\_\_\_  
State Financial Management Administrator

DATE \_\_\_\_\_  
State Environmental / Location Engineer

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

DATE 1-18-05 *Phillip M. Allen*  
State Traffic Safety and Design Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF DISTRICT THREE DESIGN

PROJECT CONCEPT REPORT

STP-0000-00(399)  
FAYETTE COUNTY  
P.I. No. 0000399

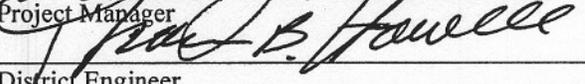
FEDERAL ROUTE NO: N/A  
STATE ROUTE NO: 92

Roadway Realignment and Intersection Improvement

Recommendation for approval:

DATE 1/4/05

DATE 1/4/05

  
Project Manager  
  
District Engineer

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

DATE \_\_\_\_\_

State Transportation Planning Administrator

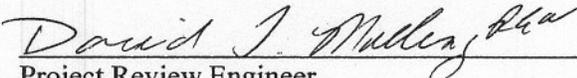
DATE \_\_\_\_\_

State Financial Management Administrator

DATE \_\_\_\_\_

State Environmental / Location Engineer

DATE 1/19/05

  
Project Review Engineer

DATE \_\_\_\_\_

State Traffic Safety and Design Engineer