

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0000399, Fayette County **OFFICE** Preconstruction
STP-0000-00(399)
SR 92 at Hilo Road Intersection Improvement **DATE** September 25, 2006
FROM *John Kunk* Genetha Race-Singleton, Assistant Director of Preconstruction
TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

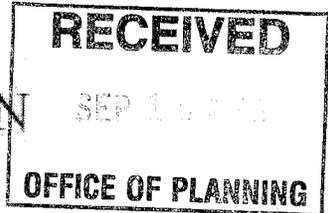
GRS/cj

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
Jamie Simpson
Michael Henry
Keith Golden
Joe Palladi (file copy)
Babs Abubakari
Thomas Howell
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE STP-0000-00(399) Fayette County OFFICE Thomaston
P. I. No. 0000399
SR 92 @ Hilo Road (CR 553) Intersection Improvement DATE September 11, 2006

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

TO Genetha Rice Singleton, Assistant Director of Preconstruction

SUBJECT REVISED PROJECT CONCEPT REPORT

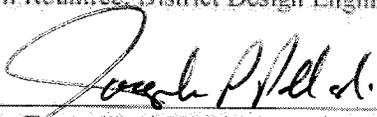
Attached is the original copy of the revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

The revised features include relocating Hilo Road (CR 553) to line up with Kingswood Way (CR 375). Hilo Road (CR 553) will be widened to include an exclusive left turn lane.

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

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

DATE 9/14/06


State Transportation Planning Administrator

WJR: AJR: shd

- c: Brian Summers, Project Review Engineer
- Harvey Keepler, State Environmental/Location Engineer
- Keith Golden, 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
- Mike England, District Traffic Operations Engineer
- Ken Robinson, District Maintenance Engineer
- Debra Benton, District Environmentalist
- Tommy Cleveland, District Location Engineer
- Colandra Barron, District Scheduling Technician

REVISED PROJECT CONCEPT REPORT

Need and Purpose: The purpose of this project is to improve both the operations and safety of the intersection.

Project location: This project is located at the intersection of SR 92 and CR 553 (Hilo Road) and CR 375 (Kingswood Way) in Fayette County South of the Fayetteville city limits.

Description of the approved concept: The original concept was approved March 2005, and called for the improvement of safety and capacity at the intersection of SR 92 and CR 553 (Hilo Road). Improvements included in the scope of the project were providing exclusive turn lanes, improved radii, and realigning CR 375 (Kingswood Way) to line up with CR 553 (Hilo Road).

PDP Classification: Minor

Federal Oversight: Full Oversight (), Exempt (X), State Funded (), or Other ()

Functional Classification: Urban Minor Arterial

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

State Route Number(s): S.R. 92

Traffic (AADT) as shown in the approved concept:

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

Proposed features to be revised:

CR 375 (Kingswood Way) will no longer be relocated to cut across a lot in the Kingswood subdivision and tie-in at Derby Drive.

Describe the revised feature(s) to be approved:

S.R. 92 will be widened 24 feet on the eastside, and (CR 553) Hilo Road will be relocated to line up with CR 375 (Kingswood Way). CR 553 (Hilo Road) will also be widened to include an exclusive left turning lane, and a signal will be added to the intersection.

Updated traffic data (AADT):

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

Programmed/Schedule:

P.E. 2005 R/W: LUMP Construction: 2008

Revised cost estimates:

1. Construction cost including inflation and E&C,
2. Right-of-way, and
3. Utilities

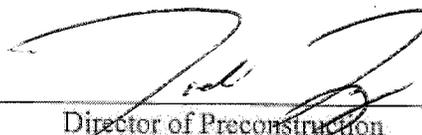
Is the project located in a Non-attainment area? Yes No.

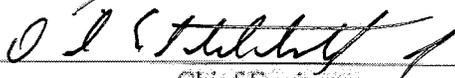
The project concept is exempt from complying with the Atlanta Regional Commission's Regional Model for Air Quality due to the scope of work being safety.

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

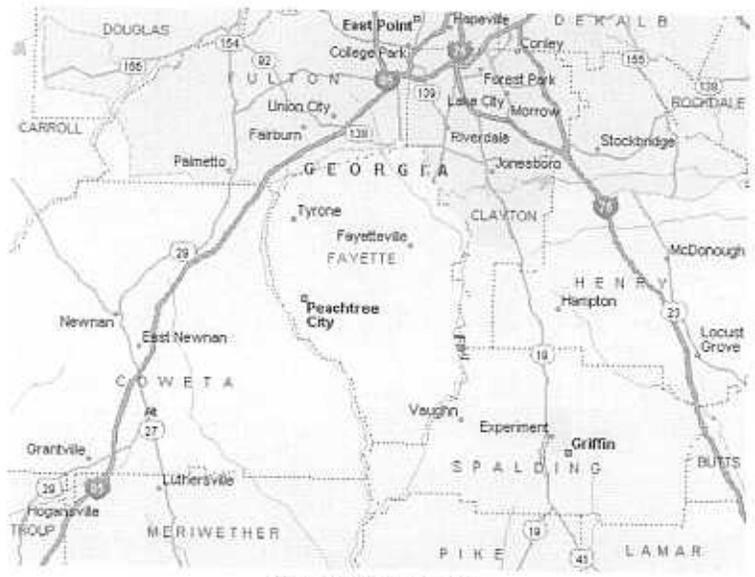
Attachments:

1. Sketch Map,
2. Cost Estimate,
3. Conforming plan's network schematics showing thru lanes, (Note: This attachment is required for non-attainment areas only.), and
4. Other supporting documents.

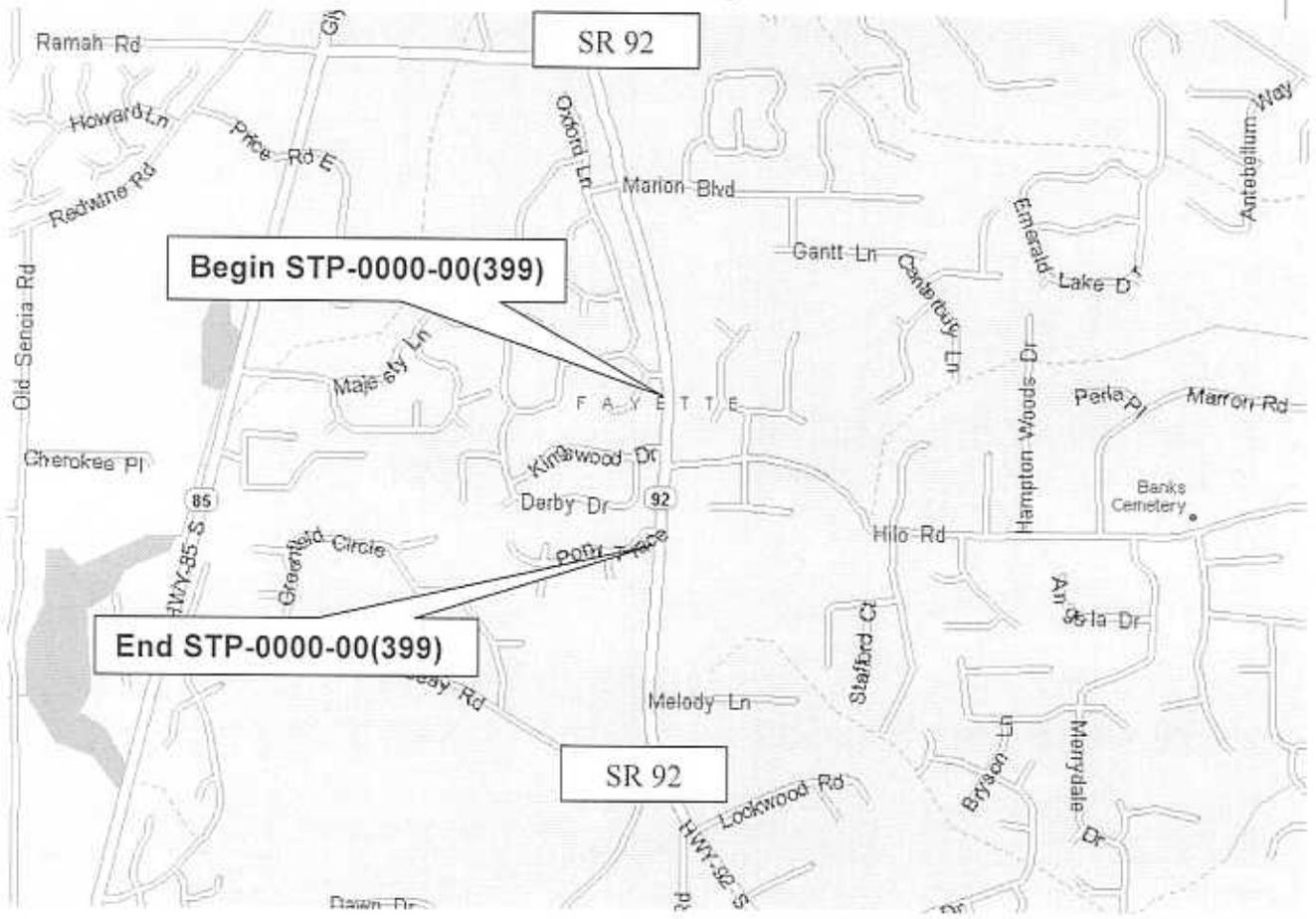
Concur: 
Director of Preconstruction

Approve: 
Chief Engineer

PROJECT LOCATION MAP



Fayette County



Location of Project in Fayette County

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: STP-0000-00(399)

COUNTY: Fayette

DATE: 9-06-06

ESTIMATED LETTING DATE: May 2008

PREPARED BY: SHD

PROJECT LENGTH: 0.54 miles

 PROGRAMMING PROCESS
 CONCEPT DEVELOPMENT
 DURING PROJECT DEV.

PROJECT COST	
A. RIGHT-TO-WAY:	
1. PROPERTY (LAND & EASEMENT)	\$227,855
2. DISPLACEMENTS; RES; , BUS; , M.H.:	\$0
3. OTHER COST (ADM./COST, INFLATION)	\$563,257
SUBTOTAL:A	\$791,112
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$0
2. TRANSMISSION LINES	\$130,000
3. SERVICES	\$0
SUBTOTAL:B	\$0
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	
a. OVERPASSES	\$0
b. OTHER	\$0
SUBTOTAL:C-1	\$0
2. GRADING AND DRAINAGE:	
a. EARTHWORK (31,000 cy @ \$9.00/cy)	\$279,000
b. DRAINAGE:	
1) Cross Drain Pipe (LUMP)	\$24,500
2) Curb and Gutter (600 ft @ \$25/ft)	\$15,000
3) Longitudinal System	\$9,500
SUBTOTAL:C-2	\$328,000

PROJECT COST		
3. BASE AND PAVING:		
a. AGGREGATE BASE (4950 Ton @ \$20/Ton)		\$99,000
b. ASPHALT PAVING: Surface (876 Ton @ \$100/ Ton)	\$87,600	
Binder (1600 Ton @ \$100/ Ton)	\$160,000	
Base (2,400 Ton \$100/Ton)	\$240,000	
Leveling (100 Ton \$100/Ton)	\$100,000	
SUBTOTAL:C-3.b		\$587,600
c. CONCRETE PAVING		\$0
d. OTHER (Bituminous Tack 7,600 Gal @ \$ 2.00/Gal)		\$15,200
SUBTOTAL:C-3		\$701,800
4. LUMP ITEMS:		
a. GRASSING (4ac @ \$4,800/ac Perm & Temp)		\$19,200
b. CLEARING AND GRUBBING		\$194,600
c. LANDSCAPING		\$0
d. EROSION CONTROL (LUMP)		\$80,000
e. TRAFFIC CONTROL		\$60,000
SUBTOTAL:C-4		\$353,800
5. MISCELLANEOUS:		
a. LIGHTING ()		\$0
b. SIGNING - MARKING (3100 ft ² signing material @ \$21/ft ²)		\$6,800
c. GUARDRAIL – (0 ft @ \$10/ft)		\$0
d. SIDEWALK (483 yd ² @\$35/yd ²)		\$16,903
e. TRAFFIC SINGAL INSTALLATION (LUMP)		\$85,000
SUBTOTAL:C-5		\$108,705
6. SPECIAL FEATURES (NONE)		
SUBTOTAL:C-6		\$0.00

ESTIMATE SUMMARY		
A. RIGHT-OF-WAY ()	\$791,112.00	
B. REIMBURSABLE UTILITIES	\$130,000.00	
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$0.00	
2. GRADING AND DRAINAGE	\$328,000.00	
3. BASE AND PAVING	\$701,800.0	
4. LUMP ITEMS	\$353,800.00	
5. MISCELLANEOUS	\$108,705.00	
6. SPECIAL FEATURES	\$0.00	
SUBTOTAL CONSTRUCTION COST	\$1,172,305.00	
E. & C. (10%)	\$117,230.50	
TOTAL CONSTRUCTION COST	\$1,289,535.50	
GRAND TOTAL PROJECT COST	\$2,210,647.50	

This project is 100 percent in congressional district 3.