

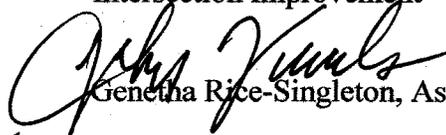
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 332945-, Henry County
STP-163-1(20)
SR 81 at Keys Ferry Road
Intersection Improvement

OFFICE Preconstruction

DATE September 6, 2006

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO  SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

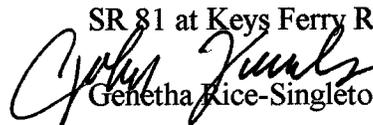
DISTRIBUTION:

Brian Summers
Harvey Keeper
Ken Thompson
Michael Henry
Keith Golden
Joe Palladi
Paul Liles
Thomas Howell
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P. I. No. 332945-, Henry County **OFFICE** Preconstruction
 STP-163-1(20)
 SR 81 at Keys Ferry Road Intersection Improvement **DATE** August 29, 2006

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO  David E. Studstill, Jr., P.E., Chief Engineer

SUBJECT PROJECT CONCEPT REPORT

This project proposes improvements to the SR 81 at Keys Ferry Road intersection, 4.5 miles east of McDonough in Henry County. State Route 81 is a two lane rural roadway with 12' travel lanes and 6' grass shoulders. Base year traffic is 10,500 VPD with a projected volume of 21,100 VPD by the design year 2027. The posted speed for SR 81 is 55 MPH. Keys Ferry Road is a two lane rural county road with rural shoulders and a posted speed of 45 MPH. Due to tremendous growth of single and multi-family residential developments in the area, current traffic volumes are exceeding design capacity. Accident reports indicate a consistent increase in rear end collisions between 2001 and 2003. The proposed improvements will reduce traffic congestion and increase safety at the intersection.

The proposed construction will add a westbound left turn lane and eastbound right turn lane on SR 81, and a right turn lane on Keys Ferry Road. This intersection will be signalized. Traffic will be maintained during construction.

Environmental concerns include requiring a Categorical Exclusion be prepared; a public hearing open house 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)	\$380,000	\$380,000	LS30	LUMP
Right-of-Way & Utilities*	Local	Local	Local	

*Henry County signed PMA on 3-21-00 for PE, right-of-way, utilities and 20% of construction costs.

David Studstill

Page 2

P. I. No. 332945-, Henry

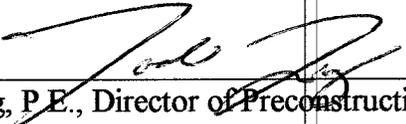
August 29, 2006

I recommend this project concept be approved.

GRS:JDQ/cj

Attachment

CONCUR

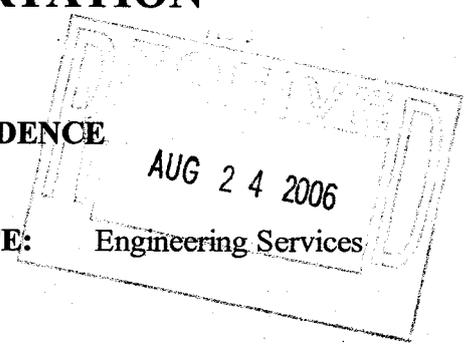

Todd I. Long, P.E., Director of Preconstruction

APPROVE


David E. Studstill, Jr., P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE



FILE: STP-163-1(20) Henry
P.I. No. 332945
Intersection Improvements

OFFICE: Engineering Services

DATE: August 23, 2006

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

TO: Genetha Rice Singleton, Assistant Director of Preconstruction

SUBJECT: REVISED CONCEPT REPORT

We have reviewed the Revised Concept Report submitted August 22, 2006 from Keith Golden and have no comments:

The costs for this project are:

Construction	\$345,000
Inflation	\$0.00
E & C	\$34,500
Reimbursable Utilities	\$50,000 (Henry Co.)
Right of Way	\$60,000 (Henry Co.)

REW

c: Keith Golden, Attn.: Derrick Cameron

SCORING RESULTS AS PER MOG 2440-2

Project Number: STP-163-1(20)		County: Henry		PI No.: 332945	
Report Date: August 22, 2006		Concept By: DOT Office: Traffic Safety and Design			
<input checked="" type="checkbox"/> Concept Stage		Consultant: Parsons Brinkerhoff			
Project Type: Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input type="checkbox"/> Bridge Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input checked="" type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation	100				
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Traffic Management Center

PROJECT CONCEPT REPORT

Henry County Project Number: 4510200

GDOT Project Number: STP-163-1(20)

GDOT PI No.: 332945

County: Henry

Federal Route Number: N/A

State Route Number: 81

Recommendation for approval:

DATE 12/13/05

Royce J. Romero
Project Manager

DATE B-18-06

Heidi Bell
Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

District Engineer

DATE 8/23/06

Brian K. Sumner *BKW*
Chief Engineer STATE PROJECT REVIEW ENGINEER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Traffic Management Center

PROJECT CONCEPT REPORT

Henry County Project Number: 4510200

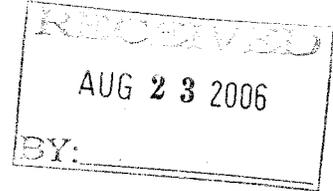
GDOT Project Number: STP-163-1(20)

GDOT PI No.: 332945

County: Henry

Federal Route Number: N/A

State Route Number: 81



Recommendation for approval:

DATE 12/13/05

Royce J. Romero
Project Manager

DATE 8-18-06

Heidi Bell
Office Head/District Engineer

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

DATE 8/23/06

Joseph P. Alford
State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

District Engineer

DATE _____

Chief Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Traffic Management Center

PROJECT CONCEPT REPORT

Henry County Project Number: 4510200

GDOT Project Number: STP-163-1(20)

GDOT PI No.: 332945

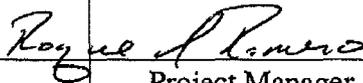
County: Henry

Federal Route Number: N/A

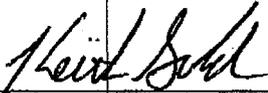
State Route Number: 81

Recommendation for approval:

DATE 12/13/05


Project Manager

DATE 8-18-06


Office Head/District Engineer

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

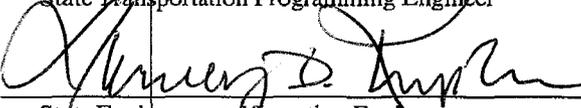
DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE 8-28-06


State Environmental Location Engineer

DATE _____

District Engineer

DATE _____

Chief Engineer

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. STP-163-1(20) HENRY COUNTY

P.I. No. 332945

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.

The date of Location Approval is: SEPTEMBER 6, 2006

Project STP-163-1(20) is a signalization project in Henry County. This project is in the 767th GMD, located east of McDonough on State Route 81 at the intersection of Keys Ferry Road (CR651). The total project length is approximately 2000 feet (0.379 miles), beginning at M.P. 18.38 and extending to M.P. 18.76. The purpose of this project is to signalize the intersection and provide left and right turn lanes. The traffic will be maintained along existing S.R. 81 and Keys Ferry Road by utilizing on-site staged construction.

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

David Coleman

David.Coleman@DOT.STATE.GA.US

1001 Highway 19 South

Griffin, Ga. 30223

Tel. No. 770-228-7205

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:

Derrick D. Cameron

Georgia Department of Transportation

Derrick.Cameron@DOT.STATE.GA.US

Wayne Shackelford Building

935 E. Confederate Avenue, Bldg. 24

Atlanta, Georgia 30316

Tel. No. 404-635-8153

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.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Traffic Management Center

PROJECT CONCEPT REPORT

Henry County Project Number: 4510200
GDOT Project Number: STP-163-1(20)
GDOT PI No.: 332945
County: Henry

Federal Route Number: N/A
State Route Number: 81

Recommendation for approval:

DATE 12/13/05

Royce J. Romero
Project Manager

DATE B-18-06

Heidi Gold
Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

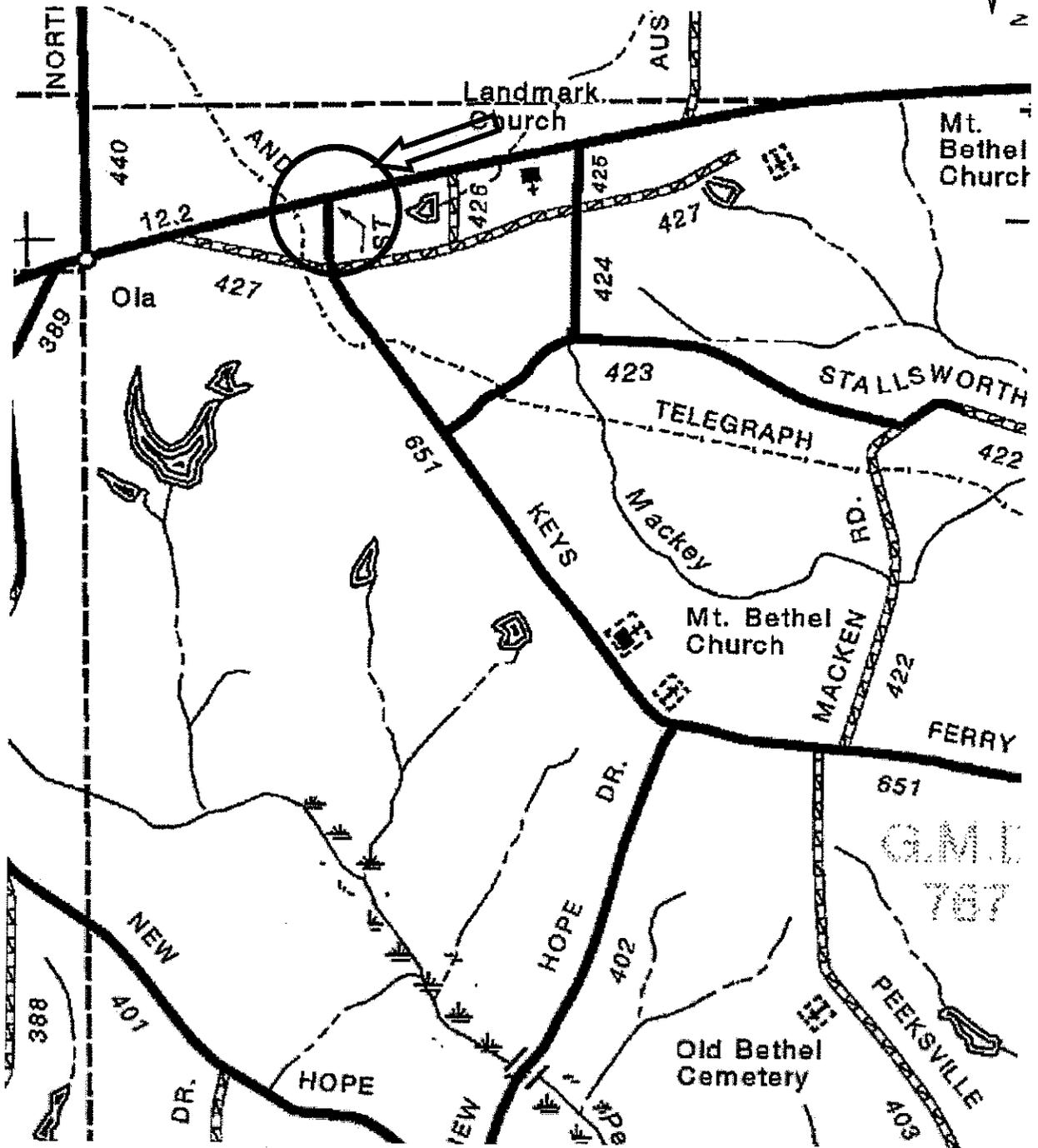
DATE _____

District Engineer

DATE _____

Chief Engineer

Location Sketch



Project Concept Report page: 3
Project Number: STP-163-1(20)
P. I. Number: 332945
County: Henry

Need and Purpose: The intersection of SR 81 and Keys Ferry Road is located approximately four and a half miles east of McDonough and serves as an access point for commuter traffic from residential areas south of SR 81 to McDonough and east Henry County. Keys Ferry Road is classified as a minor rural arterial roadway. The intersection is currently a stop condition intersection for traffic on Keys Ferry Road. With the increased residential growth of the county and traffic on SR 81, improvements to the intersection are necessary to address existing and anticipated traffic volumes. The Average Daily Traffic (ADT) on SR 81 for 2007 is projected to be 10,500, with an increase to 21,100 in the year 2027.

The construction of dedicated left and right turn lanes on SR 81 would improve the overall traffic flow and efficiency at the intersection, particularly for traffic heading to areas south of SR 81 on Keys Ferry Road. The turn lanes would also allow for improved east-west traffic flow on SR 81 passing through the intersection.

The intersection meets signal warrant criteria, and therefore the existing stop sign condition at the intersection would be replaced with a traffic signal. The installation of the traffic signal would improve safety and overall operational efficiency at the intersection.

Description of the proposed project: This project includes the signalization of a stop condition intersection and addition of left and right turn lanes to SR 81 at the intersection of Keys Ferry Road (CR 651) at SR 81. The project will be about 2000 feet in length. Beginning at M.P. 18.38 and Ending at M.P.18.76 the project is located east of McDonough along SR 81 approximately 1 mile from the Newton County line.

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

PDP Classification: Major Minor

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

Functional Classification: Minor Rural Arterial

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

State Route Number(s): 81

Traffic (AADT):

Current Year: (2007): 10,500

Design Year: (2027): 21,100

Existing design features:

- Typical Section: SR 81 is a 2-lane rural roadway with 12 foot travel lanes and 6 foot grassed shoulders. Keys Ferry Road is a 2-lane rural county road with 12 foot travel lanes and 2 foot grassed shoulders.
- Posted speed: 55 mph SR 81/45 mph Keys Ferry Road Minimum Radius: NA Tangent Section of Roadway
- Maximum grade: 2% Mainline and Cross Road, 5% Driveway (List mainline, cross roads, and driveways)
- Width of right of way: 100ft.

- Major structures: N/A
- Major interchanges or intersections along the project: N/A
- Existing length of roadway segment and the beginning mile logs for each county segment: The project is 2000 feet in length. Beginning at M.P. 18.38 and Ending at M.P.18.76. The project is located 100% in Henry County.

Proposed Design Features:

- Proposed typical section(s): SR 81 will be a 2-lane roadway with 12 foot travel lanes and 6' shoulders (2' paved, 4' grass). A right and left turn lane will be added at the intersection. Keys Ferry Road will be a 2-lane roadway with 12 foot travel lanes and 2' grassed shoulders. A right turn lane will be provided at the approach to the intersection.
- Proposed Design Speed Mainline 55 mph
- Proposed Maximum grade Mainline 2 % Maximum grade allowable 5 %.
- Proposed Maximum grade Side Street 5 % Maximum grade allowable 7 %.
- Proposed Maximum grade driveway 15 %
- Proposed Minimum radius of curve NA Minimum radius allowable 960'
- Right of way
 - Width 100.
 - Easements: Temporary (X), Permanent (X), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (X), Other ().
 - Number of parcels: 4 Number of displacements: 0
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures: NA
- Major intersections and interchanges: NA
- Traffic control during construction: The project will be built while under traffic using barrels/barriers and signs while staging the construction. No detour will be necessary.
- Design Exceptions to controlling criteria anticipated:

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

- Environmental concerns: There have been no environmental concerns identified on this project.

Project Concept Report page: 5
Project Number: STP-163-1(20)
P. I. Number: 332945
County: Henry

- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - Categorical exclusion (X) Anticipated,
 - Environmental Assessment/Finding of No Significant Impact (FONSI) (), or
 - Environmental Impact Statement (EIS) ().
- Utility involvements: *Utility Companies have not been identified yet.*

Project responsibilities:

- Design: Henry County/ Consultant
- Right of Way Acquisition: Henry County
- Relocation of Utilities: Henry County/Public Utility Companies
- Letting to contract: Henry County
- Supervision of construction: Henry County
- Providing material pits: Contractor
- Providing detours: NA

Coordination

- Initial Concept Meeting date and brief summary: Concept kickoff meeting was held on May 19, 2005 for this project.
- Concept kickoff meeting date and brief summary. Attach minutes:
- P. A. R. meetings, dates and results: NA
- FEMA, USCG, and/or TVA: NA
- Public involvement: None. Time saving procedures applicable.
- Local government comments: NA
- Other projects in the area: There are several intersection improvements along SR 81 in Henry County's Transportation plan including the improvements to New Hope Road @ SR 81 approximately 1.8 miles West of this intersection.

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 6 Months.
- Time to complete preliminary construction plans: 1 Month.
- Time to complete right of way plans: 2 Weeks.
- Time to complete the Section 404 Permit: NA Months.
- Time to complete final construction plans: 1 Week.
- Time to complete to purchase right of way: 3 Months.
- List other major items that will affect the project schedule: NA.

Project Concept Report page: 6
Project Number: STP-163-1(20)
P. I. Number: 332945
County: Henry

Other alternates considered:

1. No-Build.
2. Signalization of the stop condition intersection and addition of left and right turn lanes to SR 81 at the intersection of Keys Ferry Road at SR 81. The intersection meets the signal warrant criteria so this project will improve the safety and capacity for the intersection.
3. Maintaining the stop condition intersection and addition of left and right turn lanes to SR 81 at the intersection of Keys Ferry Road at SR 81. This project will improve the safety for the intersection.

Comments:

Section 4C.03 Warrant 2, four-hour vehicular volume, is met for this project.

Attachments:

1. Cost Estimates:
 - a. Construction including E&C,
 - b. Right of Way, and
 - c. Utilities.
2. Typical sections,
3. Accident summaries,
4. LGPA's or PMA's,
5. Location and Design Notice (On Minor Projects),

CONSTRUCTION COST ESTIMATE

DATE: 6/15/2005

PREPARED BY:

PB

PROJECT NO: Henry County

FILE NAME SR81/Keys Ferry

I.D. NO 4510200-Keys Ferry Road at SR 81

MILEAGE:

0.25

PROJECT DESCRIPTION/CONCEPT:

Signalized intersection with left and right turn lanes

EXISTING ROADWAY: YES

TRAFFIC: CURRENT ADT

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

PROJECT COSTS

	Quantity	Units	Unit Cost	Total
A. RIGHT OF WAY	1	LUMP SUM	\$40,000.00	\$40,000.00
EASEMENT (PERM. Or TEMP.)	1	LUMP SUM	\$20,000.00	\$20,000.00
			SUBTOTAL	\$60,000.00
B. UTILITIES	0	LUMP SUM		\$50,000.00
			SUBTOTAL	\$50,000.00
C. CLEARING AND GRUBBING	3	AC@	\$7,500.00	\$22,500.00
			SUBTOTAL	\$22,500.00
D. EARTHWORK				
<u>Embankment</u>				
In-Place Embankment		CY@	\$7.00	\$0.00
Borrow Incl Haul		CY@	\$6.00	\$0.00
<u>Excavation</u>				
Soil	10000	CY@	\$4.00	\$40,000.00
Rock	0	CY@	\$10.00	\$0.00
<u>Miscellaneous</u>				
Wick Drains	0	LF@	\$1.00	\$0.00
Filter Fabric	0	SY@	\$7.00	\$0.00
Drainage Material	0	CY@	\$6.00	\$0.00
Drill Holes	0	LF@	\$2.00	\$0.00
<u>Earthwork</u>	0	LUMP SUM		\$40,000.00
			SUBTOTAL	

E. BASE AND PAVING

Aggregate Base

Graded Aggregate	1530	TN@	\$18.00	\$27,540.00
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Asphalt Paving

12.5 mm superpave	561	TN@	\$67.77	\$38,018.97
19 mm superpave	250	TN@	\$63.75	\$15,937.50
25mm superpave	499	TN@	\$49.50	\$24,700.50
Leveling	100	TN@	\$67.75	\$6,775.00
Tack Coat	159	GA@	\$1.40	\$222.60

SUBTOTAL \$113,194.57

F. DRAINAGE

Cross Drain System

15" Conc. Pipe	0	LF@	\$25.27	\$0.00
18" Conc. Pipe	250	LF@	\$32.18	\$8,045.00
24" Conc. Pipe	0	LF@	\$35.92	\$0.00
30" Conc. Pipe	0	LF@	\$47.73	\$0.00
36" Conc. Pipe	0	LF@	\$51.60	\$0.00
42" Conc. Pipe	0	LF@	\$62.16	\$0.00
48" Conc. Pipe	0	LF@	\$83.24	\$0.00
15" F.E.S.	0	EA@	\$397.88	\$0.00
18" F.E.S.	8	EA@	\$428.86	\$3,430.88
24" F.E.S.	0	EA@	\$508.82	\$0.00
30" F.E.S.	0	EA@	\$606.09	\$0.00
36" F.E.S.	0	EA@	\$783.13	\$0.00
42" F.E.S.	0	EA@	\$996.30	\$0.00
48" F.E.S.	0	EA@	\$1,950.00	\$0.00

Longitudinal System

15" Conc. Pipe	0	LF@	\$29.61	\$0.00
18" Conc. Pipe	0	LF@	\$35.25	\$0.00
24" Conc. Pipe	0	LF@	\$36.88	\$0.00

Drainage Structures

Catch Basins	0	EA @	\$1,702.67	\$0.00
Drop Inlets	0	EA @	\$1,460.08	\$0.00
Manholes	0	EA @	\$2,295.00	\$0.00

Drainage Lump Sum

Cost Per Mile	0	MI@	\$402,335.00	\$0.00
			SUBTOTAL	\$11,475.88

G. CONCRETE WORK

Approach Slabs		SY@	\$94.44	\$0.00
Median Barrier	0	LF@	\$30.00	\$0.00
Curb and Gutter (Type 2)	0	LF@	\$12.55	\$0.00
Valley Gutter	0	SY@	\$40.94	\$0.00
Sidewalk	0	SY@	\$34.44	\$0.00
Median Paving	200	SY@	\$23.00	\$4,600.00
Ditch Paving	0	SY@	\$25.00	\$0.00

SUBTOTAL \$4,600.00

H. TRAFFIC CONTROL	1	lump sum	\$10,000.00	\$10,000.00
			SUBTOTAL	\$10,000.00
I. EROSION CONTROL	1	lump sum	\$5,000.00	\$5,000.00
			SUBTOTAL	\$5,000.00
J. GUARDRAIL				
W-Beam Rail		LF@	\$11.44	\$0.00
T-Beam Rail		LF@	\$61.93	\$0.00
Type 1 Anchors		EA@	\$483.43	\$0.00
Type 12 Anchors		EA@	\$1,363.83	\$0.00
			SUBTOTAL	\$0.00
K. SIGNS, STRIPING, SIGNALS, LIGHTING				
Striping	1	lump sum	\$5,000.00	\$5,000.00
Road Signs	1	lump sum	\$2,000.00	\$2,000.00
Overhead Signs w/Lights	0	EA@	\$61,000.00	\$0.00
Traffic Signals	1	EA@	\$75,000.00	\$75,000.00
Lighting		lump sum		\$0.00
			SUBTOTAL	\$82,000.00
L. GRASSING/LANDSCAPING	2	lump sum	\$2,000.00	\$4,000.00
			SUBTOTAL	\$4,000.00
M. MISCELLANEOUS				
Field Engineer Office (Type 3)	1	EA@	\$48,740.68	\$48,740.68
Detour Bridge	0			
Right-of-Way Markers	10	EA@	\$79.58	\$795.80
			SUBTOTAL	\$49,536.48
N. MAJOR STRUCTURES				
Bridge		SF@	\$65.00	\$0.00
Rem. Ex. Br.	0			
Rem. Detour Rdwy & Br.	0			
<u>Box Culverts</u>				
Concrete	0	CY@	\$350.00	\$0.00
Bar Reinf. Steel	0	LB@	\$1.00	\$0.00
			SUBTOTAL	\$0.00

ESTIMATE SUMMARY

A. Right of Way	\$60,000.00
B. Reimbursable Utilities	\$50,000.00

CONSTRUCTION COST SUMMARY

C. Clearing And Grubbing	\$23,000.00
D. Earthwork	\$40,000.00
E. Base and Paving	\$114,000.00
F. Drainage	\$12,000.00
G. Concrete Work	\$5,000.00
H. Traffic Control	\$10,000.00
I. Erosion Control	\$5,000.00
J. Guardrail	\$0.00
K. Signs, Striping, Signals, Lighting	\$82,000.00
L. Grassing/Landscaping	\$4,000.00
M. Miscellaneous	\$50,000.00

ROADWAY SUBTOTAL \$345,000.00

N. Major Structures	\$0.00
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CONSTRUCTION TOTAL \$345,000.00

10% E & C	\$34,500.00
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CONSTRUCTION ESTIMATE SUBTOTAL \$379,500.00

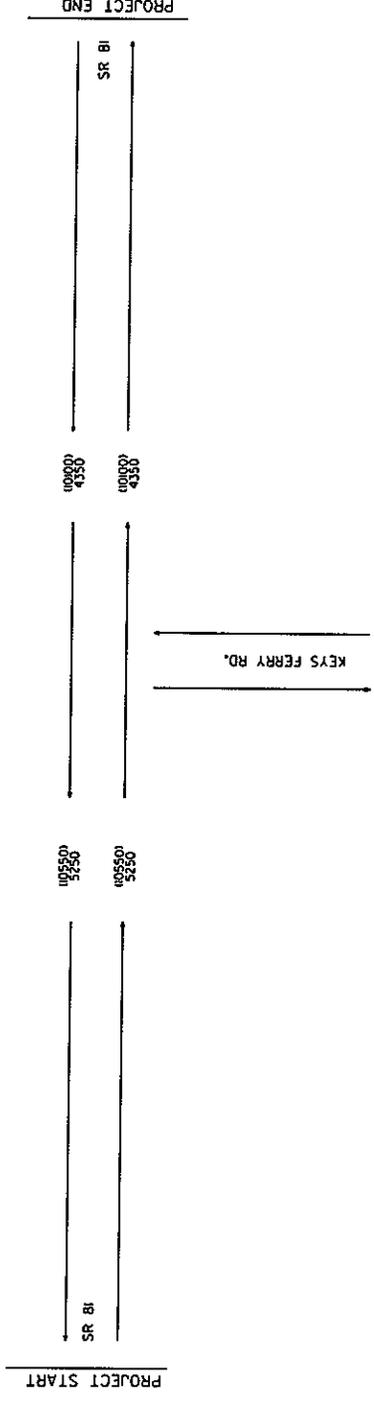
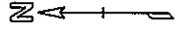
TOTAL CONSTRUCTION ESTIMATE \$380,000.00

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP-163-1(20)		

KEYS FERRY ROAD @ SR 81

2027 ADT = (000)
2007 ADT = 000

HENRY COUNTY



STP-163-1(20)
P.L. NO. 332945
HENRY COUNTY

SR 81
KEYS FERRY RD.
2027 ADT = (000)
2007 ADT = 000

3340 PEACHTREE RD, NE
SUITE 2400, TOWER PLACE
ATLANTA, GA 30326-1001

SH 10-01 OF 1



Department of Transportation

State of Georgia

#2 Capitol Square, S.W.

Atlanta, Georgia 30334-1002

WAYNE SHACKELFORD
COMMISSIONER
(404)656-5206

FRANK L. DANCHETZ
CHIEF ENGINEER
(404)656-5277

STEVEN L. PARKS
DEPUTY COMMISSIONER
(404)656-5212

BILLY F. SHARP
TREASURER
(404)656-5224

March 24, 2000

The Honorable Jimmy L. Joyner, Chairman
Henry County Commission
140 Henry Parkway
McDonough, Georgia 30253

Dear Chairman Joyner:

I am returning for your files an executed agreement between the Georgia Department of Transportation and Hall County for the following projects:

STP-3230-00(750), Henry County, P.I.# 323075
STP-163-1(21), Henry County, P.I.# 332970
STP-165-1(69), Henry County, P.I.# 332980
STP-0754(11), Henry County, P.I.# 343260
STP-3435-00(000), Henry County, P.I.# 343500
STP-3512-00(400), Henry County, P.I.# 351240

STP-163-1(20), Henry County, P.I.# 332945
STP-163-1(22), Henry County, P.I.# 332975
STP-3332-00(950), Henry County, P.I.# 333295
STP-1577(10), Henry County, P.I.# 343265
STP-9321(1), Henry County, P.I.# 351230
STP-00TR(1), Henry County, P.I.# 363860

We look forward to working with you on the successful completion of these joint projects. Should you have any questions, please contact me at (404) 656-5320.

Sincerely,

Herman T. Griffin, P.E.
State Transportation Programming Engineer

Attachments

HTG:syp

c: Percy Middlebrooks, w/attch.

Glenn Durrence, w/attch.

Bill Rountree



AGREEMENT # 323075MC HENRY

BETWEEN

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

AND

Henry County, GEORGIA

FOR

TRANSPORTATION FACILITY IMPROVEMENTS

This AGREEMENT is made and entered into this 21ST day of March, 2000, by and between the DEPARTMENT OF TRANSPORTATION, an agency of the State of Georgia, hereinafter called the "DEPARTMENT", and HENRY COUNTY, GEORGIA, acting by and through its Chairman and Board of Commissioners, hereinafter called the "COUNTY".

WHEREAS, the COUNTY has represented to the DEPARTMENT a desire to improve the transportation facilities listed in Exhibit "A" and attached hereto, hereinafter referred to as the "PROJECT"; and

WHEREAS, the COUNTY has represented to the DEPARTMENT a desire to participate in certain activities of the PROJECT as set forth in this AGREEMENT, and the DEPARTMENT has relied upon such representations; and

WHEREAS, the DEPARTMENT has expressed a willingness to participate in certain activities of the PROJECT as set forth in this AGREEMENT.

THEREFORE, in consideration of the mutual promises made and of the benefits to flow from one to the other, the DEPARTMENT and the COUNTY hereby agree each with the other as follows:

1. The COUNTY shall contribute to the PROJECT by funding all or certain portions of the PROJECT costs for the preconstruction engineering (design) activities, utility relocations, right of way acquisitions, and/or construction as set forth in Exhibit "A". The COUNTY's contribution for any portion as set forth in Exhibit "A" shall be received by the DEPARTMENT before any matching funds are apportioned.

2. The DEPARTMENT shall contribute to the PROJECT by funding all or certain portions of the PROJECT costs for the design activities, utility relocations, right of way acquisitions, and/or construction as set forth in Exhibit "A". The DEPARTMENT may use funds of the DEPARTMENT, funds apportioned to the DEPARTMENT by the Federal Highway Administration, hereinafter referred to as the "FHWA", under Title 23, United States Code, Section 104, or a combination of funds from any of the above sources; subject to those certain conditions set forth in this AGREEMENT.

3. If the actual costs for any or all of the funding categories exceed the amounts set forth in Exhibit "A", the COUNTY shall fund 100% of such excess costs.

4. The COUNTY shall be responsible for all costs for the continual maintenance and the continual operations of any and all sidewalks within the PROJECT limits.

5. The COUNTY shall accomplish all of the design activities for the PROJECT. The design activities shall be accomplished in accordance with the DEPARTMENT's Plan Development Process, the applicable guidelines of the American Association of State Highway and Transportation Officials, hereinafter referred to as "AASHTO", the DEPARTMENT's Standard Specifications Construction of Roads and Bridges, the DEPARTMENT's Plan Presentation Guide, PROJECT schedules, and applicable guidelines of the DEPARTMENT. The COUNTY's responsibility for design shall include, but is not limited to the following items:

a. Prepare the PROJECT concept report in accordance with the format used by the DEPARTMENT. The concept for the PROJECT shall be developed to accommodate the future traffic volumes as generated by the COUNTY as provided for in paragraph 5b and approved by the DEPARTMENT. The concept report shall be approved by the DEPARTMENT prior to the COUNTY beginning further development of the PROJECT plans. It is recognized by the parties that the approved concept may be modified by the COUNTY as required by the DEPARTMENT and reapproved by the DEPARTMENT during the course of design due to public input, environmental requirements, or right of way considerations.

b. Develop the PROJECT's base year (year facility is expected to be open to traffic) and design year (base year plus 20 years) traffic volumes. This shall include average daily traffic (ADT) and morning (am) and evening (pm) peak

hour volumes. The traffic shall show all through and turning movement volumes at intersections for the ADT and peak hour volumes and shall indicate the percentage of trucks expected on the facility.

c. Validate (check and update) the approved PROJECT concept and prepare a PROJECT Design Book for approval by the DEPARTMENT prior to the beginning of preliminary plans.

d. Prepare environmental studies, documentation, and reports for the PROJECT that show the PROJECT is in compliance with the provisions of the National Environmental Protection Act and Georgia Environmental Protection Act, as appropriate to the PROJECT funding. This shall include any and all archaeological, historical, ecological, air, noise, underground storage tanks (UST), and hazardous waste site studies required. The COUNTY shall submit to the DEPARTMENT all environmental documents and reports for review and approval by the DEPARTMENT and the FHWA.

e. Prepare all public hearing and public information displays and conduct all required public hearings and public information meetings in accordance with DEPARTMENT practice.

f. Perform all surveys, mapping, and soil investigation studies needed for design of the PROJECT.

g. Perform all work required to obtain project permits, including, but not limited to, US Army Corps of Engineers 404 and Federal Emergency Management Agency (FEMA) approvals. These efforts shall be coordinated with the DEPARTMENT.

h. Prepare the PROJECT's drainage design including erosion control plans and the development of the hydraulic studies for the Federal Emergency Management Agency Floodways and acquisition of all necessary permits associated with the drainage design.

i. Prepare traffic studies, preliminary construction plans including a cost estimate for the Preliminary Field Plan Review, preliminary and final utility plans, preliminary and final right of way plans, deed preparation, staking of the required right of way, and final construction plans including a cost estimate for the Final Field Plan Review, erosion control plans, lighting plans, traffic handling plans, and construction sequence plans and specifications including special provisions for the PROJECT.

j. Provide certification, by a Georgia Registered Professional Engineer, that the construction plans have been prepared under the guidance of the professional engineer and are in accordance with AASHTO and DEPARTMENT guidelines.

k. Failure of the COUNTY to follow the DEPARTMENT's Plan Development Process will jeopardize the use of Federal funds in some or all of the categories outlined in Exhibit "A", and it shall be the responsibility of the COUNTY to make up the loss of that funding.

6. All Primary Consultant firms hired by the COUNTY to provide services on the PROJECT shall be prequalified with the DEPARTMENT in the appropriate area-classes. The DEPARTMENT shall, on request, furnish the COUNTY with a list of prequalified consultant firms in the appropriate area-classes.

7. The PROJECT construction and right of way plans shall be prepared in English units.

8. All drafting and design work performed on the project shall be done utilizing Microstation and CAiCE software respectively, and shall be organized as per the Department's guidelines on electronic file management.

9. The DEPARTMENT shall review and has approval authority for all aspects of the PROJECT. The DEPARTMENT will work with the FHWA to obtain all needed approvals with information furnished by the COUNTY.

10. The COUNTY shall be responsible for the design of all bridge(s) and preparation of any required hydraulic and hydrological studies within the limits of this PROJECT in accordance with the DEPARTMENT's policies and guidelines. The COUNTY shall perform all necessary survey efforts in order to complete the design of the bridge(s) and prepare any required hydraulic and hydrological studies. The final bridge plans shall be incorporated into this PROJECT as a part of this AGREEMENT.

11. The COUNTY shall follow the DEPARTMENT's procedures for identification of existing and proposed utility facilities on the PROJECT. These procedures, in part, require all requests for existing, proposed, or relocated facilities to flow through the DEPARTMENT's Project Liaison and the District Utilities Engineer.

12. The COUNTY shall address all railroad concerns, comments, and requirements to the satisfaction of the DEPARTMENT.

13. Upon the COUNTY's determination of the rights of way required for the PROJECT and the approval of the right of way plans by the DEPARTMENT, the necessary rights of way for the PROJECT shall be acquired by the responsible party as set forth in Exhibit "A". Right of way acquisition shall be in accordance with the law and the rules and regulations of the FHWA including, but not limited to, Title 23, United States Code; 23 CFR 710, et. seq., and 49 CFR Part 24, and the rules and regulations of the DEPARTMENT. Failure of the COUNTY to follow these requirements may result in the loss of Federal funding for the PROJECT and it will be the responsibility of the COUNTY to make up the loss of that funding. All required right of way shall be obtained and cleared of obstructions, including underground storage tanks, prior to advertising the PROJECT for bids. The COUNTY shall further be responsible for making all changes to the approved right of way plans, as deemed necessary by the DEPARTMENT, for whatever reason, as needed to purchase the right of way or to match actual conditions encountered.

14. Upon completion and approval of the PROJECT plans, certification that all needed rights of way have been obtained and cleared of obstructions, and certification that all needed permits for the PROJECT have been obtained by the COUNTY, the PROJECT shall be let for construction by the responsible party as set forth in Exhibit "A". The responsible party shall be solely responsible for securing and awarding the construction contract for the PROJECT.

15. The COUNTY shall review and make recommendations concerning all shop drawings prior to submission to the DEPARTMENT. The DEPARTMENT shall have final authority concerning all shop drawings.

16. The COUNTY agrees that all reports, plans, drawings, studies, specifications, estimates, maps, computations, computer diskettes and printouts, and any other data prepared under the terms of this AGREEMENT shall become the property of the DEPARTMENT. This data shall be organized, indexed, bound, and delivered to the DEPARTMENT no later than the advertisement of the PROJECT for letting. The DEPARTMENT shall have the right to use this material without restriction or limitation and without compensation to the COUNTY.

17. The COUNTY shall be responsible for the professional quality, technical accuracy, and the coordination of all designs, drawings, specifications, and other services furnished by or on behalf of the COUNTY pursuant to this AGREEMENT. The COUNTY shall correct or revise, or cause to be corrected or revised, any errors or deficiencies in the designs, drawings, specifications, and other services furnished for this PROJECT. Failure by the COUNTY to address the errors or deficiencies within 30 days shall cause the COUNTY to assume all responsibility for construction delays caused by the errors and deficiencies. All revisions shall be coordinated with the DEPARTMENT prior to issuance. The COUNTY shall also be responsible for any claim, damage, loss or expense that is attributable to negligent acts, errors, or

omissions related to the designs, drawings, specifications, and other services furnished by or on behalf of the COUNTY pursuant to this AGREEMENT.

18. Both the COUNTY and the DEPARTMENT hereby acknowledge that time is of the essence and both parties shall adhere to the priorities established in the approved Transportation Improvement Program/State Transportation Improvement Program (TIP/STIP) or earlier. Furthermore, all parties shall adhere to the detailed project schedule, as approved by the DEPARTMENT. In the completion of respective commitments contained herein, if a change in the schedule is needed, the DEPARTMENT shall have final authority. If, for any reason, the COUNTY does not produce acceptable deliverables at the milestone dates defined in the current TIP/STIP, or in the approved schedule, the DEPARTMENT reserves the right to delay the project's implementation until funds can be re-identified for construction or right of way, as applicable.

19. This AGREEMENT is made and entered into in Fulton COUNTY, Georgia, and shall be governed and construed under the laws of the State of Georgia. The covenants herein contained shall, except as otherwise provided, accrue to the benefit of and be binding upon the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the DEPARTMENT and the COUNTY have caused these presents to be executed under seal by their duly authorized representatives.

RECOMMENDED:

WJ Rountree
William J. Rountree, P.E.
District Design Engineer

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

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

BOARD OF COMMISSIONERS
HENRY COUNTY, Georgia

BY: Janey A. Payne
Chairman

Signed, sealed and delivered this 16
day of February, 2000, in the
presence of:

Jackie Morgan
Witness

DEPARTMENT OF TRANSPORTATION

BY: Wayne Shackelford
Wayne Shackelford
Commissioner

Angela B. Bailey
Notary Public Notary Public, Henry County, Georgia
My Commission Expires Dec 11, 2002

This Agreement approved by the Henry
County Commission at a meeting held at
McDonough, Georgia
this 14 day of February, 2000.

ATTEST:

Billy F. Sharp
Billy F. Sharp
Treasurer

Samantha B. Craig
Clerk of Commission

REVIEWED AS TO LEGAL FORM:

Sandra S. Byers 3-6-00
Office of Legal Services

EXHIBIT "A"

AGREEMENT #323075MC Henry County

Project Funding Sources & Fiscal Year of Authorization										
Project (PI #, Proj #, Desc.)	Type	Prelim. Eng. (County)	FY	RAW	FY	Construction ¹	FY	Uty Reloc. Costs	Acquire R/W	Responsible Party
323075-, STP-3230-00(750) S.R. 138 at S.R. 155	Recs/ Rehab	100% COUNTY		100% COUNTY		20% COUNTY (\$105,000) 80% DOT/FED (\$420,000) 100% COUNTY (>\$525,000) ²	2001	100% COUNTY	COUNTY	COUNTY
332945-, STP-163-1(20) S.R. 81 at Keys Ferry Rd.	Safety Work	100% COUNTY		100% COUNTY		20% COUNTY (\$6,800) 80% DOT/FED (\$27,200) 100% COUNTY (>\$34,000)	2001	100% COUNTY	COUNTY	COUNTY
332970-, STP-163-1(21) S.R. 81 at New Hope Rd.	Safety Work	100% COUNTY		100% COUNTY		20% COUNTY (\$7,200) 80% DOT/FED (\$28,800) 100% COUNTY (>\$36,000)	2001	100% COUNTY	COUNTY	COUNTY
332975-, STP-163-1(22) S.R. 81 at Race-track Rd.	Safety Work	100% COUNTY		100% COUNTY		20% COUNTY (\$6,800) 80% DOT/FED (\$27,200) 100% COUNTY (>\$34,000)	2001	100% COUNTY	COUNTY	COUNTY
332980-, STP-165-1(69) S.R. 155 at Fairview Rd.	Safety Work	100% COUNTY		100% COUNTY		20% COUNTY (\$8,600) 80% DOT/FED (\$34,400) 100% COUNTY (>\$43,000)	2001	100% COUNTY	COUNTY	COUNTY
333295-, STP-3332-00(950) S.R. 155 at Millers Mill Rd./ C.R. 665	Recs/ Rehab	100% COUNTY		100% COUNTY		20% COUNTY (\$104,400) 80% DOT/FED (\$417,600) 100% COUNTY (>\$522,000)	2001	100% COUNTY	COUNTY	COUNTY
343260-, STP-0754(11) S.R. 155 at Hampton/Locust Grove Rd.	Safety Work	100% COUNTY		100% COUNTY		20% COUNTY (\$7,400) 80% DOT/FED (\$29,600) 100% COUNTY (>\$37,000)	2001	100% COUNTY	COUNTY	COUNTY
343265-, STP-1577(10) C.R. 650/Hampton/Locust Grove Rd. from S.R. 20 to I-75	Maint	20% COUNTY (\$1,000) 80% DOT/FED (\$4,000) 100% COUNTY (>\$5,000)	2001	20% COUNTY (\$1,000) 80% DOT/FED (\$4,000) 100% COUNTY (>\$5,000)	2001	20% COUNTY (\$139,000) 80% DOT/FED (\$556,000) 100% COUNTY (>\$695,000)	LR	100% COUNTY	COUNTY	COUNTY
343500-, STP-3435-00(000) Old Conyers Rd./C.R. 69 at Flat Rock Rd./C.R. 100	Recs/ Rehab	100% COUNTY		100% COUNTY		20% COUNTY (\$80,000) 80% DOT/FED (\$320,000) 100% COUNTY (>\$400,000)	2001	100% COUNTY	COUNTY	COUNTY
351230-, STP-9321(1) Walt Stephens Rd. at Speer Rd.	Safety Work	100% COUNTY		100% COUNTY		20% COUNTY (\$8,600) 80% DOT/FED (\$34,400) 100% COUNTY (>\$43,000)	2001	100% COUNTY	COUNTY	COUNTY
351240-, STP-3512-00(400) Fairview Rd./C.R. 676 at Thurman Dr./C.R. 25	Recs/ Rehab	100% COUNTY		100% COUNTY		20% COUNTY (\$67,600) 80% DOT/FED (\$270,400) 100% COUNTY (>\$338,000)	2001	100% COUNTY	COUNTY	COUNTY
363860-, STP-00TR(1) Jodeco Rd. Expand Park and Ride Lot and Relocate Octagon Rd.	Recs/ Rehab	20% COUNTY (\$1,000) 80% DOT/FED (\$4,000) 100% COUNTY (>\$5,000)	2000	20% COUNTY (\$72,000) 80% DOT/FED (\$288,000) 100% COUNTY (>\$360,000)	2001	20% COUNTY (\$240,000) 80% DOT/FED (\$960,000) 100% COUNTY (>\$1,200,000)	2001	100% COUNTY	COUNTY	COUNTY

Notes:

¹ Includes construction costs associated with inspection and materials testing during construction.

² (> \$525,000) means all costs in excess of \$525,000.