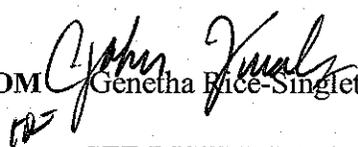


ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 742870-, Fayette/Clayton Counties **OFFICE** Preconstruction
STP00-2009-00(004)
Widening of SR 920/McDonough Road-
From SR 54 to US 19/41 **DATE** April 11, 2008

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Mike Lobdell
Angela Alexander
Paul Liles
Bryant Poole
BOARD MEMBER

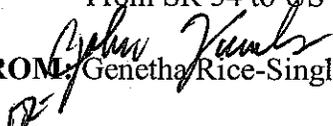
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 742870-, Fayette/Clayton Counties
STP00-2009-00(004)
Widening of SR 920/McDonough Road -
From SR 54 to US 19/41

OFFICE: Preconstruction

DATE: April 2, 2008

FROM:  Genetha Rice-Singleton, Assistant Director of Preconstruction

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

SUBJECT: PROJECT CONCEPT REPORT

This project proposes to widen and reconstruct SR 920 /McDonough Road from SR 54 in Fayette County easterly to US 19/41 in Clayton County for a total of 5.78 miles. The purpose of this project is to increase capacity along SR 920 in Clayton/Fayette Counties. Future traffic projections reveal that traffic will continue to increase on an already congested roadway. Crash data also reveals that along SR 920 within the project limits, crash rates exceeded the statewide average. The current two lane configuration is inadequate to handle the projected traffic volumes. The Level of Service (LOS) at the major intersections would decline to LOS "F" by design year (2032) if no action is taken. The 2006 Average Daily Traffic (ADT) of 13,160 vehicles per day (VPD) on SR 920 within the project area is projected to increase to 31,550 by the build year 2012. This volume is projected to increase to 51,700 VPD by the 2032. A benefit- cost analysis was used to evaluate this project and the results show the project is economically justified (b/c ratio = 2.85).

The proposed project will provide an urban four-lane divided highway with a 24' raised median and auxiliary lanes at major intersections. The roadway would have 4' bike lanes on each side with urban shoulders, which have curb and gutter and 5' sidewalk on both sides. This project will also replace the existing bridges over Hurricane Creek and Flint River with new 4 lane bridges. Traffic will be maintained via staging during construction.

Environmental concerns include requiring a COE 404 permit; An Environmental Assessment is anticipated; a Public Hearing Open House will be held; Time saving procedures is not 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)	\$ 32,708,000	\$ 20,740,000	L230S	LR
Right-of-way	\$29,554,000	\$28,460,000	L240	LR
Utilities*	\$1,573,000			

P.I. No. 742870-, Fayette/Clayton Counties
Page 2
April 2, 2008

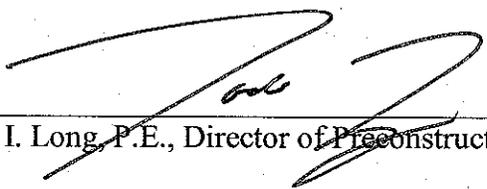
*Notification letter sent to Clayton & Fayette 10-21-05

I recommend this project concept be approved.

GRS: JDQ

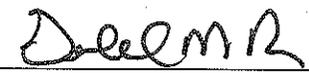
Attachment

CONCUR



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

APPROVED



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

PRECONSTRUCTION STATUS REPORT FOR DISTRICT 7

PROJ ID: 742870- **SR 920 FROM SR 54 TO SR 3/US 19 (REL SR 81) & FAYETTE**
COUNTY: Clayton, Fayette
LENGTH: 5.73 **MPO:** Atlanta TMA
PROJ NO.: STP00-2009-00(004) **TIP #:** CL-101
PROJ MGR: Sanders, Matt **NETWORK YR:** 2015
OFFICE: Road Design **TYPE WORK:** Widening
CONSULTANT: No Consultant, GDOT In-House Design **PROG TYPE:** Reconstruction/Rehabilitation
SPONSOR: GDOT **CONCEPT:** ADD 4R(MED 44)
DESIGN FIRM:

MGMT LET DATE: _____
MGMT ROW DATE: _____
SCHED LET DATE: _____
WHO LETS?: GDOT Let
LET WITH: _____
BRIDGE SUFF RTG: _____
AUTHORIZED FUNDS
 PE Authorized Amt: \$1,250,000.00 Date: 09/23/2005
 ROW Authorized Amt: _____ Date: _____
 CST Authorized Amt: _____ Date: _____

ROW	Approved:	LR	Proposed:	LR	Proposed:	LR	L240	L230S	PRECST
CST	Approved:	LR	Proposed:	LR	Proposed:	LR	20,740,000.00	L230S	PRECST

NEED TO RESEND LGPA WITH \$\$\$ AMOUNT TO LOCALS AFTER 11/15/04 9/14/04

Sched Start **Sched Finish** **Activity** **Actual Start** **Actual Finish** **%**

PDD: LR PE; RW; CST. 9/26/94. Jonesboro Rd. 7/19/04.
Bridge: BRIDGE REQUIRED
Design: JTB: Submitted Concept (2/27/08)
EIS: LR|EA|NotApvd|No RW or LET|Update2-04-08|Alimia
LGPA: NOTIFICATION LETTER SENT TO CLAYTON & FAYETTE 10-21-05.
Planning: SR 920 from SR 54 to SR 3/US 19 (REL SR 81) & Fayette is on the ARC Bike Trans. and Ped. Walkways Plan pg. 91
Traffic Op: >CCBI SND PLNS FOR S&M/SGNLS WH 50% CMPLT 12-13-07 +
Utility: YPF/NEED PLANS 08/07

Status Meeting Notes
Concept: _____ **Pavement Design**
Env: _____
R/W Plans: _____ **Bridge Plans**
Utility Plans: _____
Soils/BFI: _____ **SM&S**
Comments: _____

PREL PARCEL CT: 208 **TOTAL PARCELS IN ROW SYSTEM:** _____ **ACQ BY:** DOT **MGR:** _____
UNDER-REVIEW: _____ **RELEASED:** _____ **OPT-PEND:** _____ **COND-PEND:** _____ **COND-FILED:** _____
RELOC: _____ **ACQUIRED:** _____

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

Office of Road and Airport Design

PROJECT CONCEPT REPORT

Project Number: STP 00-2009-00(004)

County: FAYETTE/CLAYTON

P. I. Number: 742870

Federal Route Number: N/A

State Route Number: 920 (Temporary)

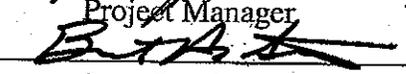
Recommendation for approval:

DATE 2/27/08

DATE 2/27/08



 Project Manager



 State Road and Airport Design 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 _____

DATE _____

DATE _____

DATE _____

DATE _____

DATE _____

DATE 3/28/08

State Transportation Planning Administrator

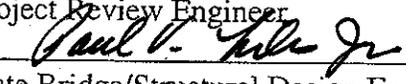
State Transportation Financial Management Administrator

State Environmental/Location Engineer

State Traffic Safety and Design Engineer

District Engineer

Project Review Engineer



 State Bridge/Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Road and Airport Design

PROJECT CONCEPT REPORT

Project Number: STP 00-2009-00(004)

County: FAYETTE/CLAYTON

P. I. Number: 742870

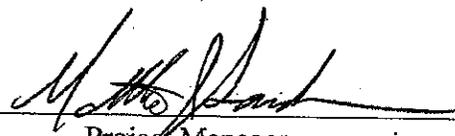
Federal Route Number: N/A

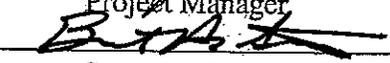
State Route Number: 920 (Temporary)

Recommendation for approval:

DATE 2/27/09

DATE 2/27/08



Project Manager


State Road and Airport Design 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 Transportation Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE 3-12-08

State Traffic Safety and Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge/Structural Design Engineer

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

Office of Road and Airport Design

PROJECT CONCEPT REPORT

Project Number: STP 00-2009-00(004)

County: FAYETTE/CLAYTON

P. I. Number: 742870

Federal Route Number: N/A

State Route Number: 920 (Temporary)

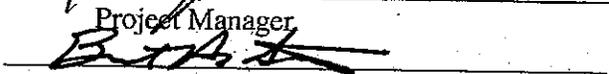
Recommendation for approval:

DATE 2/27/08

DATE 2/27/08



 Project Manager



 State Road and Airport Design 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 Transportation 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/Structural Design Engineer

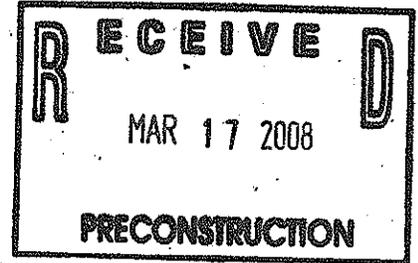
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Road and Airport Design

PROJECT CONCEPT REPORT

Project Number: STP 00-2009-00(004)
County: FAYETTE/CLAYTON
P. I. Number: 742870

Federal Route Number: N/A
State Route Number: 920 (Temporary)



Recommendation for approval:

DATE 2/27/08

DATE 2/27/08

Matthew Paul
Project Manager
Eric B. ...
State Road and Airport Design 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 3/15/08

DATE _____

DATE _____

DATE _____

DATE _____

DATE _____

DATE _____

Carol J. Alexander with corrections below
State Transportation Planning Administrator

State Transportation Financial Management Administrator

State Environmental/Location Engineer

State Traffic Safety and Design Engineer

District Engineer

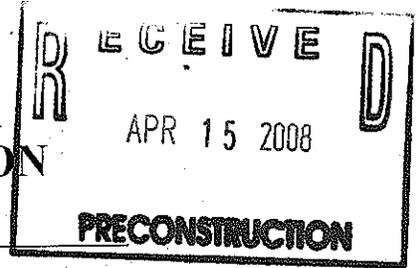
Project Review Engineer

State Bridge/Structural Design Engineer

* In the NIP statement revise construction dates for PI 0006904 from 2010 to 2011 and PI 722030 from LR to PE 2008, ROW-LOCL. Also, proposed projects at the logical termini should be included to support the termini.
asa

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE: P.I. No. 742870

OFFICE: Environment/Location

PROJECT No. STP00-2009-00(004) / CLAYTON
County

DATE: 4/10/08

SR 920 from SR 54 to SR 3/US 19 (REL SR 81) & Fayette

FROM: 
Glenn Bowman, P.E., State Environmental/Location Engineer
TO: Genetha Rice-Singleton, Assistant Director of Preconstruction
SUBJECT: PROJECT CONCEPT REPORT REVIEW

The Concept Report for the above project has been reviewed and appears satisfactory subject to the following comments:

1. Known archaeological resources are located within the project APE at Hurricane Creek, Flint River, and the SR920/SR3 intersection. The Flint River and Hurricane Creek Bridges were constructed in 1956 and 1974 respectively and are not listed in the GHBS.
2. This Project will require a seasonal survey for aquatics. Be aware that culvert replacement versus extension will require that culverts span the width of any streams and be embedded or bottomless for fish passage.
3. This Project currently has no management directive ROW or Let Dates. Since not much work has been completed and this is an EA, time to complete Environmental is more like eighteen (18) to twenty-four (24) months.
4. Hurricane Creek has sufficiency rating of 72.4; replacement using Federal Funds is unlikely. Many Environmental issues associated with this project, including high potential of 4(f). Time line for Environmental should be at least two years. Suggest layouts be sent to OEL immediately for ecology and history surveys. High potential for EJ issues. Also, VE study will be needed early in the process.

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

GB:lc

cc: Brian Summers
Jamie Simpson
Angela Alexander
Keith Golden
Brent Story
Paul Liles

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Road and Airport Design

PROJECT CONCEPT REPORT

Project Number: STP 00-2009-00(004)

County: FAYETTE/CLAYTON

P. I. Number: 742870

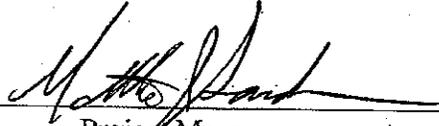
Federal Route Number: N/A

State Route Number: 920 (Temporary)

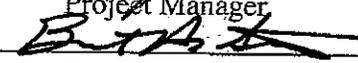
Recommendation for approval:

DATE 2/27/08

DATE 2/27/08



 Project Manager



 State Road and Airport Design 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 _____

DATE _____

DATE 4/10/08

DATE _____

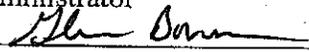
DATE _____

DATE _____

DATE _____

State Transportation Planning Administrator

State Transportation Financial Management Administrator



State Environmental/Location Engineer

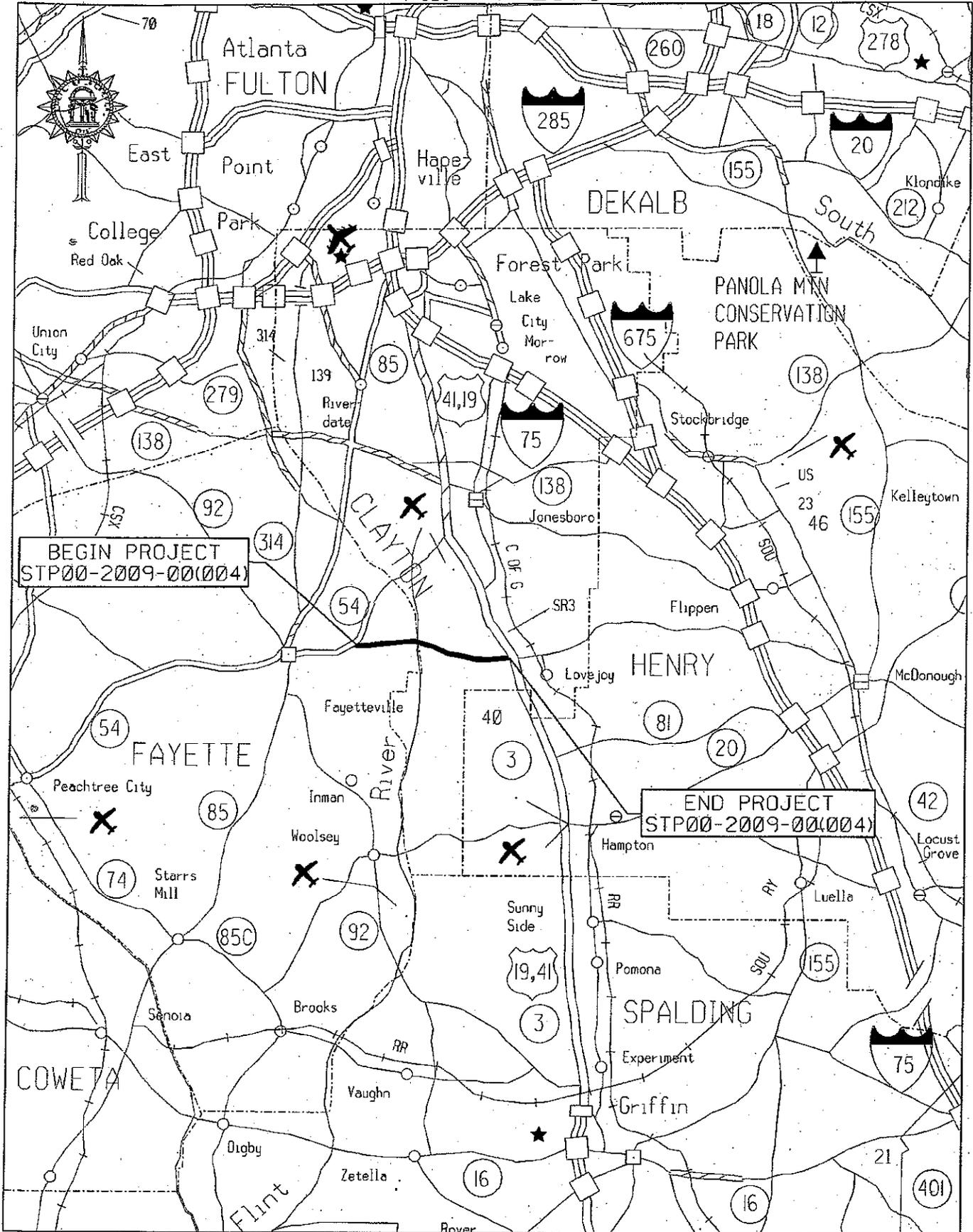
State Traffic Safety and Design Engineer

District Engineer

Project Review Engineer

State Bridge/Structural Design Engineer

PROJECT NO. STP 00-2009-00(004)
P.I. # 742870



Project Concept Report
Project Number: STP 00-2009-00(004)
P. I. Number: 742870
County: Fayette/Clayton

- Major interchanges or intersections along the project: SR 54, US 19/41
- Existing length of roadway segment and the beginning mile logs for each county segment:
Fayette county 2.12 Miles, mile log 0.0 - mile log 2.1
Clayton county 3.66 Miles; mile log 0.0 -- mile log 3.6

Proposed Design Features:

- Proposed typical section(s): see attached
- Proposed Design Speed Mainline: 45 mph
- Proposed Maximum grade Mainline 5% Maximum grade allowable 6%
- Proposed Maximum grade Side Street 6% Maximum grade allowable 10%
- Proposed Maximum grade driveway 11%
- Proposed Maximum degree of curve 6° 00' Maximum degree allowable 8° 00'
- Proposed Maximum Superelevation 4.0%
- Right of way
 - Width 120'
 - Easements: Temporary (X), Permanent (X), Utility (X), Other ()
 - Type of access control: Full (), Partial (), By Permit (X), other ()
 - Number of parcels: 209 Number of displacements:
 - Business: 0
 - Residences: 16
 - Mobile homes: 0
 - Other: 0
- Structures:
 - Bridge over Flint River- to be replaced
 - Bridge over Hurricane Creek- to be replaced
 - Box Culverts- replaces existing structures with new box culverts
- Major intersections and interchanges: SR 54, US 19/41
 - Signalized Intersections
 - SR 54
 - CR 214/County Line Rd.
 - CR 512/Panhandle Rd.
 - US19/41
- Traffic control during construction: Traffic to be maintained on existing roadways during construction.
- Transportation Management Plan Anticipated: Yes () No (X)
- 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)

Project Concept Report
 Project Number: STP 00-2009-00(004)
 P. I. Number: 742870
 County: Fayette/Clayton

STOPPING SIGHT DISTANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SUPERELEVATION RATES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HORIZONTAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEED DESIGN:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- Design Variances: None Anticipated
- Environmental concerns:
 - Potential historic resources
 - Public parks: Fayette County BOC, McCurry Park and Lovejoy Park
 - Churches: Fayette Bible Church Grace Acad., Jonesboro Church of the Nazarene, Home Missions and Church, Cambodian First Baptist Church, In Work of God, South Atlantic Conference Assoc. of Seventh Day Advent., McDonough Baptist Church
 - Schools: Edwin Kemp Primary School and Lovejoy High School
 - Potential wetlands
 - Potential streams
 - Potential greenspace
 - Potential cemeteries
- Anticipated level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (), No (X),
 - Categorical exclusion (),
 - Environmental Assessment/Finding of No Significant Impact (FONSI) (X), or
 - Environmental Impact Statement (EIS) ().
- Utility involvements:
 - AGL Networks
 - Atlanta Gas Light Company
 - AT&T Communications
 - BellSouth Telecommunications
 - Clayton County Water Authority
 - Clayton County DOT
 - Comcast
 - Coweta-Fayette EMC
 - Fayette County
 - Georgia Power Company(Distribution)
 - Georgia Power Company (Transmission)
 - Southern Natural Gas Company
 - Transco Gas Pipe Line

VE Study Required Based on Current Estimate: Yes (X) No ()

Project responsibilities:

- Design – GDOT (Office of Road and Airport Design)
- Right of Way Acquisition - GDOT

Project Concept Report

Project Number: STP 00-2009-00(004)

P. I. Number: 742870

County: Fayette/Clayton

- Relocation of Utilities - to be determined
- Letting to contract - GDOT
- Supervision of construction - GDOT
- Providing material pits - contractor
- Providing detours - to be determined
- Environmental studies - GDOT
- Right-of-Way mitigation - GDOT

Coordination

- Initial Concept Meeting: August 9, 2006-9:00 AM, Lovejoy Public Library, 1721 McDonough Rd, Hampton Ga.
- Concept Team meeting: June 7, 2007-10:00 AM, Lovejoy Public Library, 1721 McDonough Rd, Hampton Ga.
- Meeting with Clayton County: July 17, 2007-9:00 AM, Clayton County Transportation Department
- P. A. R. meetings, to be held if necessary.
- FEMA, USCG
- Public involvement.- PIOH and PHOH to be held
- Local government comments. - See Concept meeting minutes
- Other projects in the area:
 - TIP/RTP # CL-099, MSL-0004-00(401), PI # 0004401
 - TIP/RTP # FA-236A, CSSTP-0006-00(904), PI # 0006904
 - TIP/RTP # CL-041, STP-164-1(29), PI # 721440
 - TIP/RTP # CL-AR-247, NH-001-4(60), PI # 722030
 - TIP/RTP # AR-91
- Railroads - not applicable
- Cost Estimate - see attachments

Scheduling - Responsible Parties' Estimate

- Time to complete the environmental process: ~~12~~²⁴ Months.
- Time to complete preliminary construction plans: 12 Months.
- Time to complete right of way plans: 6 Months.
- Time to complete the Section 404 Permit: 12 Months.
- Time to complete final construction plans: 12 Months.
- Time to complete to purchase right of way: 18-24 Months.

Other alternates considered: No Build

- VE Study: To be held

February 2008

State of Georgia Department of Transportation

Project Concept Report
Project Number: STP 00-2009-00(004)
P. I. Number: 742870
County: Fayette/Clayton

Comments:

Attachments:

1. Need and Purpose Statement
2. Detailed Construction Estimates
 - a. Construction including E&C
 - b. Utility
 - c. Right of Way
 - d. Mitigation Costs (yet to be determined)
3. Typical sections
4. Accident summaries(included in need and purpose)
5. Traffic Diagrams
6. Capacity Analysis Summation
7. Bridge Inventory
8. Minutes of Concept Meetings
 - a. Meeting with Clayton County
9. Conformation plan's network schematic showing thru lanes
10. Benefit Cost Analysis

Need and Purpose
Project STP-2009(4), Clayton/Fayette Counties
PI No. 742870
SR 920 from SR 54 to SR 3/US 19

Background

The Atlanta Regional Commission (ARC) adopted the 2030 Regional Transportation Plan (RTP) for the 13-County Atlanta Metropolitan area and portions of 5 additional counties in December 2004. The Plan addresses travel needs through the year 2030. The RTP is the direct result of a comprehensive, cooperative, and continuous planning process conducted by ARC, local governments, Georgia Regional Transportation Authority (GRTA), air quality planning partners and the Georgia Department of Transportation in cooperation with the Federal Highway and Federal Transit Administrations. SR 920 in Fayette/Clayton Counties is a major east/west route that runs from SR 54 in Fayette east to SR 3/US 19/41 in Clayton County and is included in the RTP.

Existing Conditions

The existing roadway on SR 920 has two 12' travel lanes, one in each direction with variable width graded shoulders. There are two bridges along the project, one over the Flint River and the other over Hurricane Creek. The two major intersections along the project are SR 54 and US 19/41. The posted speed limit is 45 mph on SR 920 and the maximum grade for the roadway is 5%. SR 920 in the project limits is on a bus route and is currently on the bike system.

Projects in the area in the 6 year Construction Work Program

- TIP/RTP # CL-099, MSL-0004-00(401), PI # 0004401, Operational upgrades on Tara Road from McDonough Rd to US 19/41 in Clayton County, Preliminary Engineering (PE) is Authorized, ROW is scheduled for 2007 and Construction is scheduled for 2008. This project will include adding center turn lanes and improving shoulders on this two lane section of Tara Road from McDonough Road to Tara Boulevard. It will also include construction of sidewalks and improve shoulder width. The project will improve safety as well as reduce delays in this heavily populated residential area.
- TIP/RTP # FA-236A, CSSTP-0006-00(904), PI # 0006904, East Fayetteville Bypass from in Fayette County, Preliminary Engineering (PE) is Local, ROW is Local and Construction is scheduled for ²⁰¹¹2010. *2011* *add - 3/21/08* The purpose of this project is to provide connections for through trips outside the immediate downtown, thereby improving mobility. The project provides an alternative route for Spalding and Clayton commuters where they would have the option of bypassing downtown Fayetteville.
- TIP/RTP # CL-041, STP-164-1(29), PI # 721440, SR 54 from McDonough Road in Fayette County to US 19/41 in Clayton County, Preliminary Engineering (PE) is Authorized, ROW is scheduled for 2007 and Construction is scheduled for 2010. This project involves widening SR 54 from McDonough Road in Fayette County to US 19/41 in Clayton County from two to four lanes. The improvements and added

capacity will enhance travel in this corridor, improve traffic flow and relieve congestion in this portion of SR 54.

- TIP/RTP # CL-AR-247, NH-001-4(60), PI # 722030, US 19/41 from SR 81 in Henry County to Flint River Road in Clayton County, Preliminary Engineering (PE) is scheduled for ~~Long Range~~, ROW is ~~scheduled for Long Range~~ and Construction is scheduled for Long Range. This project involves widening US 19/41 from SR 81 in Henry County to Flint River Road in Clayton County from four to six lanes. The improvements and added capacity will enhance travel in this corridor, improve traffic flow and relieve congestion in this portion of US 19/41. LOCAL JBD 2/21/09
- TIP/RTP # AR-91, US 19/41 Arterial Bus Rapid Transit (BRT) from City of Lovejoy to MARTA East Point Station in City of Atlanta, Preliminary Engineering (PE) is scheduled for 2009 and Construction is scheduled for Long Range. This project will provide for BRT service in the US 19/41 corridor. It will include transit priority at necessary signalized intersections and bus pull out lanes to enable faster running times for transit in this corridor.

Travel Demand and Operational Characteristics

The current AADT for SR 920 is 13,160. The projected AADT for SR 920 is 16,500 vpd in 2012. It is anticipated that the AADT will increase to 27,050 vpd in design year of 2032. This is an increase of approximately 39% for this section of roadway. SR 920 is classified a Rural Minor Arterial. The existing level of service without improvements is 'D'. In design year 2012 the level of service without improvements is 'E' and in 2032 the level of service is 'F'. In order to have an acceptable or good level of service through 2032, this project would need to be upgraded to 4 lanes. With four lanes, the 2012 and 2032 LOS would be 'A' and 'B' respectively.

Community Issues

Clayton County is part of the Atlanta metropolitan area and is a rapidly growing residential area. The 2000 Census listed the population in Clayton County as 236,517. In 1990 the Clayton County had a population of 182,055. Between 1990 and 2000, Clayton County gained 54,462 residents, a 29.9 percent increase which continues a trend for net population increase for the Atlanta region. Hartsfield-Jackson International Airport is a major economic engine that drives growth for the area. Clayton County has excellent access to I-75, I-85 and I-285 with a third of all jobs related to the transportation industry. The 2010 population projection for Clayton County is 271,229. The 2000 census data shows the racial makeup of Clayton County is 51% Black, 38% White, 7% Hispanic, and 4% Asian. The land uses in the vicinity of the project is a mix of high density commercial and low and medium residential property.

Fayette is west of Clayton County and also has benefited from the growing metro Atlanta region. In 1990 Fayette County had a population of 62,413 and in 2000 the total population grew to 91,263. Between 1990 and 2000, Fayette County gained 28,850 residents, a 46.2 percent increase which continues a trend for net population increase for the Atlanta region. Fayette County is one of the smallest counties in terms of land area ranking 142nd out of 159. It's proximity to Hartsfield-Jackson International Airport is

credited as the catalyst for its dynamic growth with another factor being the success of Peachtree City, a planned community in Fayette County.

Safety

SR 920 (Clayton County)	2002	2003	2004
Total Accidents	77	60	77
Total Injuries	41	20	39
Fatalities	0	3	0
Accidents Per 100 MVMT	543	423	538
Statewide Accidents Per 100 MVMT	208	222	258
Accident Ratio % >< statewide average	161% >	91%>	109%>

SR 920 (Fayette County)	2002	2003	2004
Total Accidents	30	40	37
Total Injuries	11	16	14
Fatalities	0	0	0
Accidents Per 100 MVMT	308	411	399
Statewide Accidents Per 100 MVMT	208	222	258
Accident Ratio % >< statewide average	48%>	85%>	55%>

The above crash data indicates that SR 920, within the identified project limits, experiences crashes at a rate exceeding the statewide average for similar classified facilities. The majority of the crashes were classified as “angle intersecting” and “rear end”. Additional capacity is needed for safer operations that may reduce the number of crashes on this roadway and that may reduce congestion.

Logical Termini

The proposed project concept for STP-2009(4) consists of the widening of the roadway on SR 920 from two to four lanes. The western terminus of this project will tie to the existing four lane section at SR 54. The eastern terminus of this project will tie into the SR 3/US 19/41 interchange. The total length of the projects is approximately 5.7 miles and lies within Clayton and Fayette Counties.

Need and Purpose

The purpose of this project is to increase capacity along SR 920 in Clayton/Fayette Counties. Future traffic projections reveal that traffic will continue to increase on an already congested roadway. Crash data also reveals that along SR 920 in the project limits, crash rates exceed the statewide average. The proposed changes will enhance both pedestrian and vehicular traffic from surrounding neighborhoods. This project will provide safety, increase sight distance and operational benefits as well as provide the public with a safer driving environment.

Estimate Report for file "742870_2006-08-07"

Section roadway					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	1000000.00	TRAFFIC CONTROL -	1000000.00
153-1300	1	EA	100000.00	FIELD ENGINEERS OFFICE TP 3	100000.00
207-0203	1000	CY	60.38	FOUND BK FILL MATL, TP II	60380.00
210-0100	1	LS	4000000.00	GRADING COMPLETE -	4000000.00
310-5060	1000	SY	7.45	GR AGGR BASE CRS, 6 INCH, INCL MATL	7450.00
310-5120	265000	SY	15.29	GR AGGR BASE CRS, 12 INCH, INCL MATL	4051850.00
318-3000	2700	TN	19.38	AGGR SURF CRS	52326.00
402-1812	2000	TN	70.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	140000.00
402-3121	40269	TN	75.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	3020175.00
402-3130	21000	TN	75.00	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	1575000.00
402-3190	26537	TN	75.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	1990275.00
413-1000	80256	GL	1.23	BITUM TACK COAT	98714.88
432-5010	14000	SY	1.86	MILL ASPH CONC PVMT, VARIABLE DEPTH	26040.00
433-1000	815	SY	122.41	REINF CONC APPROACH SLAB	99764.15
441-0016	750	SY	31.82	DRIVEWAY CONCRETE, 6 IN TK	23865.00
441-0018	600	SY	38.50	DRIVEWAY CONCRETE, 8 IN TK	23100.00
441-0104	41000	SY	29.04	CONC SIDEWALK, 4 IN	1190640.00
441-0204	1000	SY	30.64	PLAIN CONC DITCH PAVING, 4 IN	30640.00
441-0740	2500	SY	28.53	CONCRETE MEDIAN, 4 IN	71325.00
441-4020	2500	SY	33.11	CONC VALLEY GUTTER, 6 IN	82775.00
441-4030	1500	SY	43.61	CONC VALLEY GUTTER, 8 IN	65415.00
441-5002	500	LF	22.03	CONCRETE HEADER CURB, 6 IN, TP 2	11015.00
441-6022	62000	LF	19.37	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	1200940.00
441-6720	62000	LF	15.91	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	986420.00
444-1000	1000	LF	2.50	SAWED JOINTS IN EXIST PAVEMENTS - PCC	2500.00
446-1200	14000	SY	0.85	PVMT REINF FABRIC FULL WIDTH, TYPE 2	11900.00
500-3101	600	CY	611.14	CLASS A CONCRETE	366684.00
500-3200	200	CY	439.27	CLASS B CONCRETE	87854.00
500-3201	1000	CY	401.78	CLASS B CONCRETE, RETAINING WALL	401780.00
500-9999	200	CY	176.21	CLASS B CONC, BASE OR PVMT WIDENING	35242.00
511-1000	52000	LB	0.96	BAR REINF STEEL	49920.00
550-1180	15000	LF	34.16	STORM DRAIN PIPE, 18 IN, H 1-10	512400.00
550-1181	2000	LF	34.43	STORM DRAIN PIPE, 18 IN, H 10-15	68860.00
550-1240	15000	LF	42.10	STORM DRAIN PIPE, 24 IN, H 1-10	631500.00
550-1241	2000	LF	46.87	STORM DRAIN PIPE, 24 IN, H 10-15	93740.00
550-1300	5000	LF	52.55	STORM DRAIN PIPE, 30 IN, H 1-10	262750.00
550-1301	1000	LF	59.04	STORM DRAIN PIPE, 30 IN, H 10-15	59040.00
550-1360	1000	LF	64.05	STORM DRAIN PIPE, 36 IN, H 1-10	64050.00
550-1361	500	LF	74.17	STORM DRAIN PIPE, 36 IN, H 10-15	37085.00
550-1420	500	LF	86.66	STORM DRAIN PIPE, 42 IN, H 1-10	43330.00
550-1421	100	LF	94.31	STORM DRAIN PIPE, 42 IN, H 10-15	9431.00
550-1480	500	LF	106.14	STORM DRAIN PIPE, 48 IN, H 1-10	53070.00
550-1481	100	LF	105.41	STORM DRAIN PIPE, 48 IN, H 10-15	10541.00
550-1600	200	LF	128.26	STORM DRAIN PIPE, 60 IN, H 1-10	25652.00
550-1601	100	LF	136.89	STORM DRAIN PIPE, 60 IN, H 10-15	13689.00
550-2180	162	LF	26.32	SIDE DRAIN PIPE, 18 IN, H 1-10	4263.84
550-3518	60	EA	929.76	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	55785.60
550-3524	30	EA	1137.19	SAFETY END SECTION 24 IN, STORM DRAIN, 6:1 SLOPE	34115.70
550-3536	30	EA	2636.36	SAFETY END SECTION 36 IN, STORM DRAIN, 6:1 SLOPE	79090.80
550-4236	75	EA	1227.33	FLARED END SECTION 36 IN, STORM DRAIN	92049.75
620-0100	1000	LF	33.95	TEMPORARY BARRIER, METHOD NO. 1	33950.00
632-0003	2	EA	17270.55	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	34541.10
634-1200	256	EA	93.27	RIGHT OF WAY MARKERS	23877.12
641-1100	1000	LF	35.92	GUARDRAIL, TP T	35920.00
641-1200	2000	LF	15.20	GUARDRAIL, TP W	30400.00
641-5001	12	EA	533.74	GUARDRAIL ANCHORAGE, TP 1	6404.88

641-5012	12	EA	1672.57	GUARDRAIL ANCHORAGE, TP 12	20070.84
643-1132	300	LF	8.17	CH LK FENCE, ZC COAT, 4 FT, 9 GA	2451.00
643-1152	300	LF	33.74	CH LK FENCE, ZC COAT, 6 FT, 9 GA	10122.00
668-1100	300	EA	1857.04	CATCH BASIN, GP 1	557112.00
668-1110	100	LF	203.88	CATCH BASIN, GP 1, ADDL DEPTH	20388.00
668-2100	15	EA	2813.68	DROP INLET, GP 1	42205.20
668-4300	10	EA	1920.85	STORM SEWER MANHOLE, TP 1	19208.50
668-5000	5	EA	1790.06	JUNCTION BOX	8950.30
Section Sub Total:					\$23,860,034.66

Section temporary erosion control

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	24	AC	521.16	TEMPORARY GRASSING	12507.84
163-0300	10	EA	1518.45	CONSTRUCTION EXIT	15184.50
163-0501	5	EA	916.23	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 1	4581.15
163-0503	10	EA	515.41	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	5154.10
163-0520	7400	LF	13.93	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	103082.00
163-0521	4	EA	160.17	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	640.68
163-0530	90000	LF	2.96	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	266400.00
163-0550	400	EA	273.70	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	109480.00
165-0010	35000	LF	1.08	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	37800.00
165-0030	20000	LF	1.31	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	26200.00
165-0085	5	EA	333.44	MAINTENANCE OF SILT CONTROL GATE, TP 1	1667.20
165-0087	10	EA	171.19	MAINTENANCE OF SILT CONTROL GATE, TP 3	1711.90
165-0105	400	EA	96.44	MAINTENANCE OF INLET SEDIMENT TRAP	38576.00
167-1000	4	EA	1685.16	WATER QUALITY MONITORING AND SAMPLING	6740.64
167-1500	36	MO	911.79	WATER QUALITY INSPECTIONS	32824.44
171-0010	35000	LF	1.98	TEMPORARY SILT FENCE, TYPE A	69300.00
171-0030	20000	LF	3.36	TEMPORARY SILT FENCE, TYPE C	67200.00
Section Sub Total:					\$799,050.45

Section permanent erosion control

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0240	950	TN	203.73	MULCH	193543.50
603-2012	1800	SY	27.63	STN DUMPED RIP RAP, TP 1, 12 IN	49734.00
603-2018	500	SY	41.52	STN DUMPED RIP RAP, TP 1, 18 IN	20760.00
603-2024	500	SY	45.90	STN DUMPED RIP RAP, TP 1, 24 IN	22950.00
603-7000	1000	SY	4.25	PLASTIC FILTER FABRIC	4250.00
700-6910	15	AC	840.46	PERMANENT GRASSING	12606.90
700-7000	5	TN	58.74	AGRICULTURAL LIME	293.70
700-7010	500	GL	18.75	LIQUID LIME	9375.00
700-8000	5	TN	283.53	FERTILIZER MIXED GRADE	1417.65
700-8100	800	LB	1.66	FERTILIZER NITROGEN CONTENT	1328.00
700-9300	14000	SY	5.16	SOD	72240.00
710-9000	10000	SY	3.65	PERMANENT SOIL REINFORCING MAT	36500.00
716-1000	3000	SY	3.23	EROSION CONTROL MATS, WATERWAYS	9690.00
716-2000	300000	SY	1.13	EROSION CONTROL MATS, SLOPES	339000.00
Section Sub Total:					\$773,688.75

Section signals

Item Number	Quantity	Units	Unit Price	Item Description	Cost
647-0200	4	LS	50000.00	MISC CONDUIT, FIBER OPTIC MATERIALS	200000.00
647-1000	4	LS	65000.00	TRAFFIC SIGNAL INSTALLATION NO -	260000.00
647-5230	4	EA	5413.64	SIGNAL ASSEMBLY, FLASHING SCHOOL, COMPLETE	21654.56
Section Sub Total:					\$481,654.56

Section Signing and Marking					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-xxxx	1	Lump Sum	500000.00	MISCELLANEOUS SIGNING AND MARKING	500000.00
Section Sub Total:					\$500,000.00

Section Flint River Bridge					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
534-xxxx	28520	SF	90.00	BRIDGE CONSTRUCTION	2566800.00
540-1102	1	LS	220000.00	REMOVAL OF EXISTING BR, BR NO -	220000.00
Section Sub Total:					\$2,786,800.00

Section Hurricane Creek Bridge					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
534-xxxx	5428	SF	90.00	BRIDGE CONSTRUCTION	488520.00
540-1102	1	LS	44000.00	REMOVAL OF EXISTING BR, BR NO -	44000.00
Section Sub Total:					\$532,520.00

Total Estimated Cost: \$29,733,748.42

Subtotal Construction Cost	\$29,733,748.42
E&C Rate 10.0 %	\$2,973,374.84
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
Total Construction Cost	\$32,707,123.26
Right Of Way	\$29,553,250.00
ReImb. Utilities	\$1,573,000.00
Grand Total Project Cost	\$63,833,373.26

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-2009(4), Clayton, Fayette
SR 920 FROM SR 54 TO SR 3/US 19
{REL SR 81} & FAYETTE
P.I. 742870

OFFICE District Seven Utilities

DATE February 12, 2008

FROM Bryant R. Poole, District Engineer

TO Matt Sanders, Office of Road & Airport Design Manager
~~Attention: Daniel DeLeon~~

SUBJECT Preliminary Utility Cost Estimate

As per your request, a field inspection was conducted on the above referenced project. The following companies have facilities that occupy the public right-of-way and should be relocated at **no cost** to the Department of Transportation:

AGL Networks
Atlanta Gas Light Company
AT&T Communications
BellSouth Telecommunications
Clayton County Water Authority
Clayton County DOT
Comcast
Coweta-Fayette EMC
Fayette County
Georgia Power Company (Distribution)
Georgia Power Company (Transmission)
Southern Natural Gas Company
Transco Gas Pipe Line

The following utility company could potentially have prior rights on this project and may have reimbursable costs:

Colonial Pipeline Company	\$ 352,000.00
Georgia Power (Transmission)	\$ 462,000.00
Georgia Power (Distribution)	\$ 99,000.00
<u>Bellsouth Telecommunications</u>	<u>\$ 660,000.00</u>

Total Reimbursable Costs: \$1,573,000.00

Please note that this estimate was prepared without the certification of right-of-way and could change when more detailed information is made available. If you have any questions, please contact Mrs. Yulonda Pride-Foster at (770) 986-1117.

Sincerely,

Bryant R. Poole
District Engineer



By: Jonathan Walker
District Utilities Engineer

BRP: JW: YPF:

cc: Jeff Baker, P.E. /Utilities (TMC)
File

Department of Transportation State of Georgia

Interdepartmental Correspondence

FILE R/W Cost Estimate **OFFICE** Atlanta
DATE February 13, 2008

FROM Phil Copeland, Right of Way Administrator

TO Brent A. Story, P.E. / WDT., State Road and Airport Design Engineer

ATTN: Darrell DeJean

SUBJECT **Preliminary Right of Way Cost Estimate**
Project: STP-2009(4)Fayette / Clayton UPDATE
Pl. No.:742870
Description: Widening of SR 920 from SR 54 to SR 19/41

As per your request, attached is a copy of the approved Revised Preliminary Right of Way Cost Estimate on the above referenced project.

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 Chamblee Right of Way Office at (770) 986-1541.

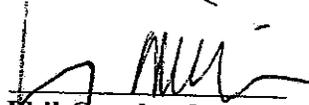
PC:GAM

Attachments

cc: Brian Summers, Engineering Services
Wes Brock, R/W
Windy Bickers, Financial Management
File



Preliminary Right of Way Cost Estimate


Phil Copeland
 Right of Way Administrator
 By: Jerry Milligan

Date: February 13, 2008

Project: STP-2009(4)Fayette/Clayton UPDATE

Existing/Required R/W: Varies/Varies

P.I. Number: 742870

No. Parcels: 209

Project Termini: Widening and Reconstruction of SR 920 from SR 54 to SR 3

Project Description: Widening and Reconstruction

Land: Res R/W: 1,022,840 sf @ \$.80 / sf	\$	818,272	
Res Esmt: 1,741,646 sf @ \$.80 /sf @ 50%		696,658	
Comm. R/W: 101,228 sf @ \$ 4.60 / sf		465,649	
Comm Esnt.: 76,653 sf \$ 4.60 / sf @ 50%		<u>176,302</u>	\$ 2,156,881

Improvements : Residences, tennis courts, subdivision entrance, fencing,
 signs, misc. site improvements

3,750,000

Relocation: Residential (16)

640,000

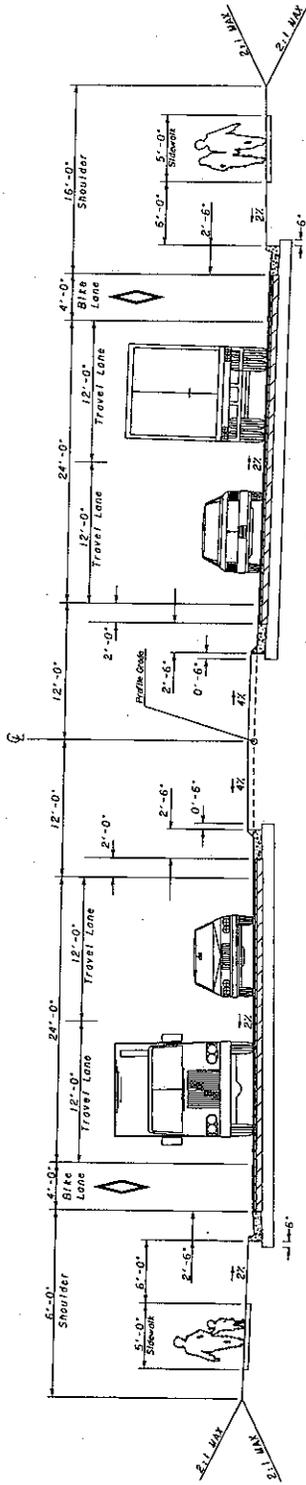
Damage : Cost to Cure (4)	\$	250,000	
Proximity (58)		1,665,000	
Uneconomic Remnant (1)		<u>50,000</u>	\$ 1,965,000

Net Cost \$ 8,511,881

Net Cost	\$	8,511,881
Scheduling Contingency 55 %		4,681,534
Adm/Court Cost 60 %		7,916,049
Market Appreciation 40 %		<u>8,443,785</u>
	\$	29,553,249

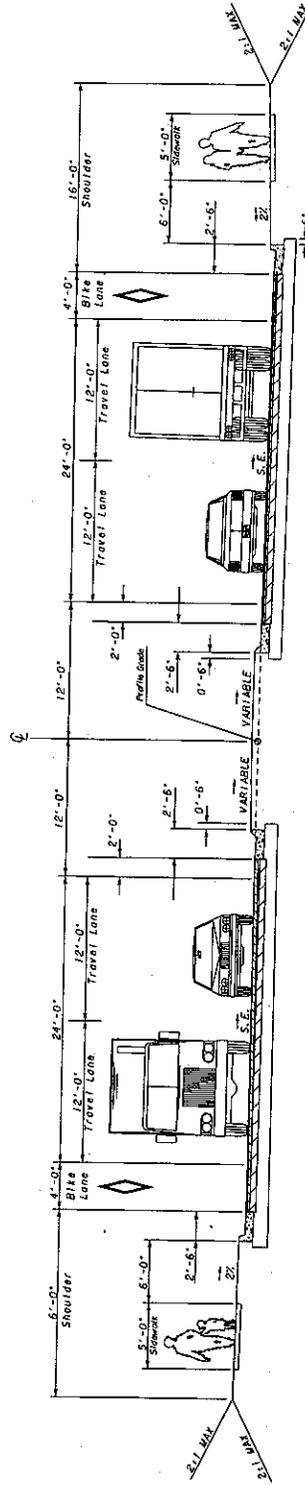
Total Cost \$29,553,250

TYPICAL SECTION 1



TANGENT SECTION

TYPICAL SECTION 2

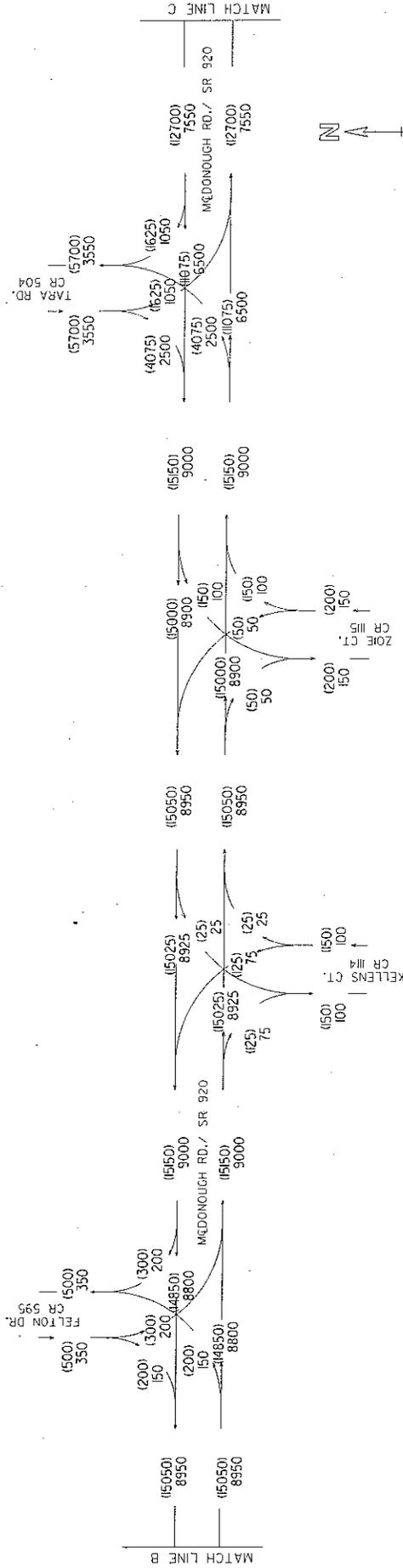


SUPERELEVATED SECTION
WHERE APPLIES

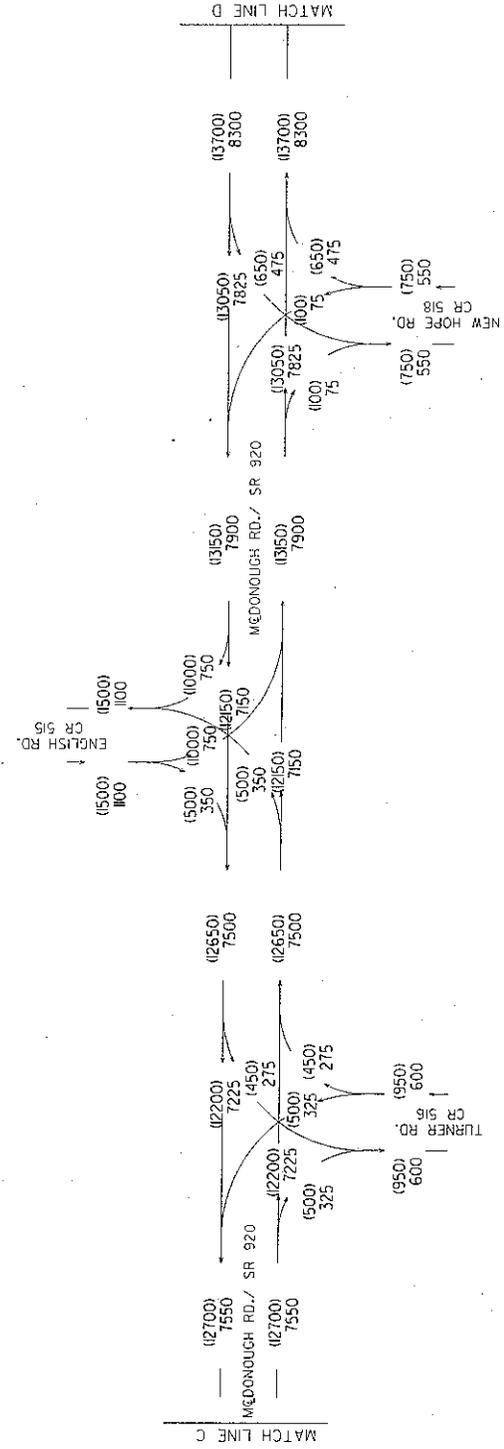
SLOPE CONTROLS	
SLOPE	FILL
4:1	0-10'
2:1	OVER 6' OVER 10'

STATE	PROJECT NUMBER	SHEET TOTAL
GA.	STP-2009 (4)	10

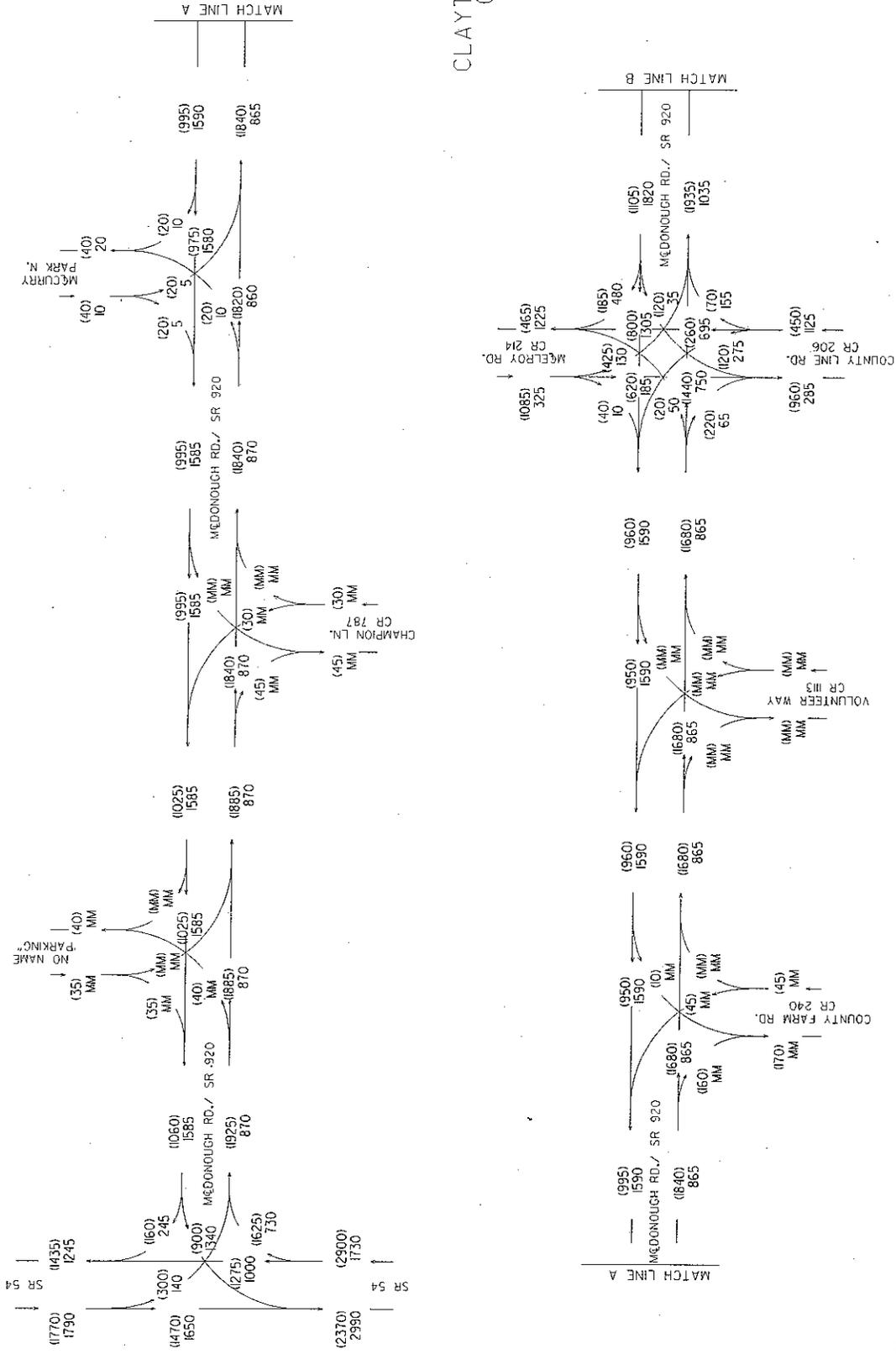
GEORGIA
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
PROJECT: STP - 2009 (4)
COUNTY: FAYETTE/CLAYTON
P. I. NO: 742870



CLAYTON, FAYETTE
COUNTIES

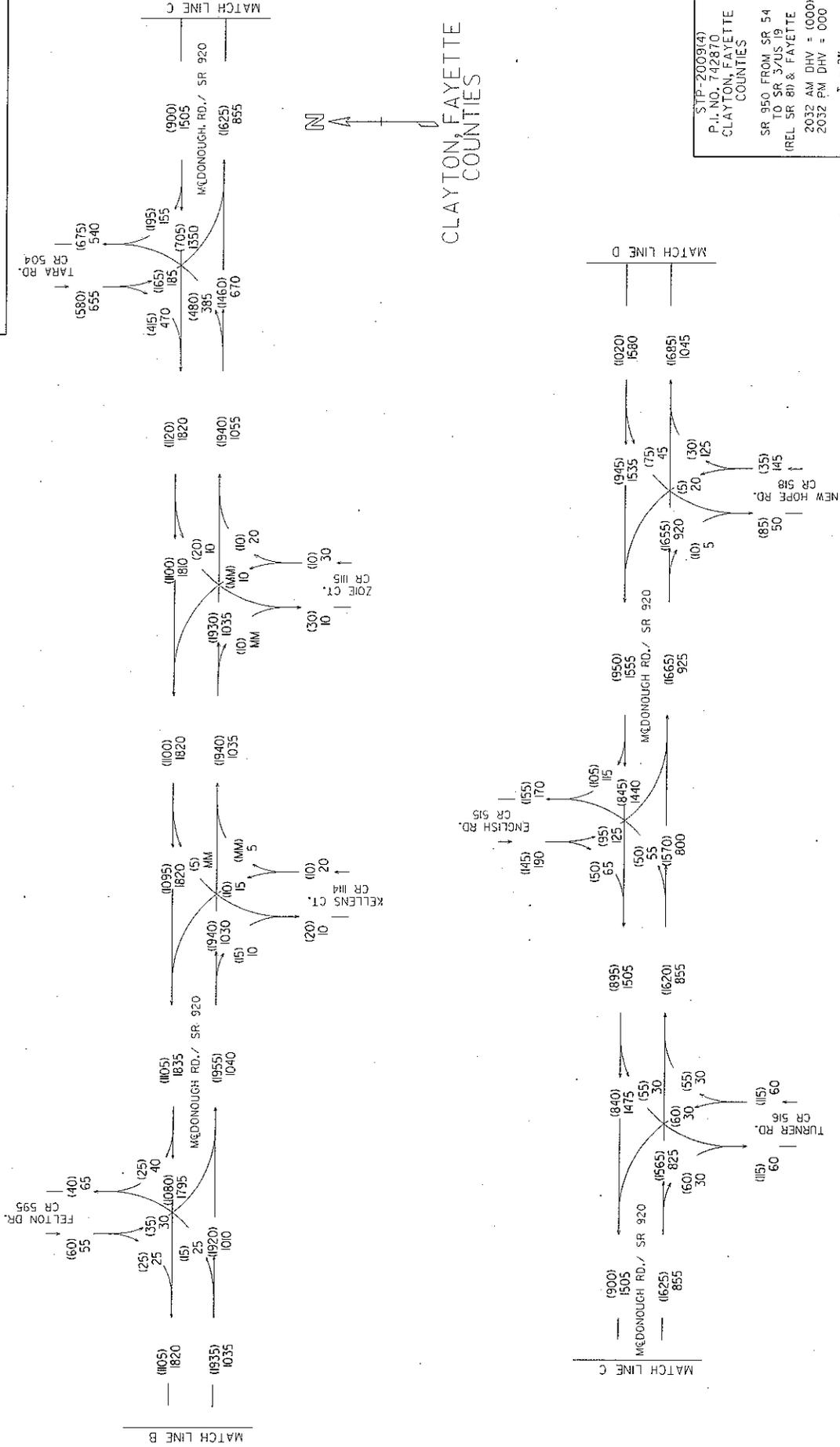


STP-2009(4)
P.I. NO. 742870
CLAYTON, FAYETTE
COUNTIES
SR 950 FROM SR 54
TO SR 37/US 19
(REL SR 81 & FAYETTE
2032 ADT = 10000
2012 ADT = 000
24 HR. T = 5%
S.U. = 5%
COMB. = 0%
SUS
1/86



CLAYTON, FAYETTE
COUNTIES

STP-2009(4)
P.I. NO. 742870
CLAYTON, FAYETTE
COUNTIES
SR 950 FROM SR 54
TO SR 37/US 19
(REL SR 80 & FAYETTE
2032 AM DHV = 1000)
2032 PM DHV = 000
T = 2%
SMS
1786



STP-2009(4)
P.I. NO. 742870
CLAYTON, FAYETTE
COUNTIES

SR 950 FROM SR 54
TO SR 3/US 19
(REL SR 8) & FAYETTE
COUNTIES

2032 AM DIV = 000
2032 PM DIV = 000
T = 2%

SMS
1/86

STPIM 00-2009-00(004)

PI# 742870

Fayette/Clayton County

SR920-McDonough Rd, beginning at SR54 in Fayette Co. and ending at US 19/41 in Clayton Co.

Summary: HCS Analysis of Signalized Intersections for Design Year

Sideroad	LOS(am)	LOS(pm)	Delay(am)	Delay(pm)	Vol/Cap(am)	Vol/Cap(pm)
SR 54	C	D	34.0 s/veh	52.1 s/veh	1.12	0.99
County Line Rd.	E	D	78.4 s/veh	52.4 s/veh	1.17	1.34
Panhandle Rd.	F	E	107.3 s/veh	59.5 s/veh	4.7	1
US19/41	F	F	490.6 s/veh	447.6 s/veh	2.42	2.24

Bridge Inventory Data Listing Georgia Department of Transportation.

Structure ID: 063-0065-0

Clayton

SUFF. RATING: 72.40

Location & Geography				Signs & Attachements	
* Structure ID:	063-0065-0	*104 Highway System:	0	225 Expansion Joint Type:	02
200 Bridge Information:	06	*26 Functional Classification:	16	242 Deck Drains:	0
*6A Feature Int:	HURRICANE CREEK	*204 Federal Route Type:	S No. 02009	243 Parapet Location:	0.00
*6B Critical Bridge:	0	105 Federal Lands Highway:	0	Height:	0.00
*7 Route Number Carried:	CR01334	*110 Truck Route:	0	Width:	0.00
*7B Facility Carried:	MCDONOUGH ROAD	206 School Bus Route:	1	238 Curb Height:	1.0
*9 Location:	2 MI W OF LOVEJOY	217 Benchmark Elevation:	0000.00	Curb Material:	1
2 DOT District:	7	218 Datum:	0	239 Handrail:	7 7
207 Year Photo:	2003	*19 Bypass Length:	05	*240 Median Barrier Rail:	0
*91 Inspection Frequency:	24 Date: 4/6/2005	*20 Toll:	3	241 Bridge Median Height:	0.0
92A Fract Crit Insp Freq:	00 Date: 2/1/1901	*21 Maintenance:	02	241 Bridge Median Width:	0.0
92B Underwater Insp Freq:	00 Date: 2/1/1901	*22 Owner:	02	* Guardrail Loc. Dir. Rear:	0
92C Other Spc. Insp Freq:	00 Date: 2/1/1901	*31 Design Load:	0	Fwrd:	0
*4 Place Code:	00000	37 Historical Significance:	5	Oppo. Dir. Rear:	0
*5 Inventory Route (O/U):	1	205 Congressional District:	13	Oppo. Fwrd:	0
Type:	4	27 Year Constructed:	1974	244 Approach Slab:	3
Designation:	1	106 Year Reconstructed:	0000	224 Retaining Wall:	0
Number:	02009	33 Bridge Median:	0	233 Posted Speed Limit:	45
Direction:	0	34 Skew:	00	236 Warning Sign:	0
*16 Latitude:	33 - 27.1 HMMS Prefix:	35 Structure Flared:	0	234 Delineator:	0
*17 Longitude:	084 - 21.3 HMMS	38 Navigation Control:	0	235 Hazzard Boards:	1
98 Border Bridge:	Suffix: MP:0.00	213 Special Steel Design:	0	237 Utilities - Gas:	22
99 ID Number:	000 % Shared: 00	267 Type of Paint:	5	Water:	00
*100 STRAHNET:	0000000000000000	*42 Type of Service on:	1	Electric:	00
12 Base Highway Network:	1	Type of Service under:	5	Telephone:	00
13ALRS Inventory Route:	631092000	214 Movable Bridge:	0	Sewer:	31
13B Sub Inventory Route:	0	203 Type Bridge:	Z O M O	247 Lighting - Street:	0
101 Parallel Structure:	N	259 Pile Encasement:	3	Navigation:	0
*102 Direction of Traffic:	2	*43 Structure Type Main:	3 02	Aerial:	0
*264 Road Inventory Mile Post:	001.79	45 No. Spans Main:	001	*248 County Continuity No.:	00
*208 Inspection Area:	03 Initials: WBP	44 Structure Type Appr:	0 00		
Engineer's Initial:	jal	46 No. Spans Appr:	0000		
		226 Bridge Curve Horz:	0 Vert: 0		
		111 Pier Protection:	0		
		107 Deck Structure Type:	1		
* Location I.D. No.:	063-02009F-003.65N	108 Wearing Surface Type:	6		
		Membrane Type:	0		
		Deck Protection:	0		

Bridge Inventory Data Listing Georgia Department of Transportation.

Structure ID: 113-0025-0

Fayette

SUFF. RATING: 47.89

Location & Geography				Signs & Attachments	
* Structure ID:	113-0025-0	*104 Highway System:	0	225 Expansion Joint Type:	02
200 Bridge Information:	06	Functional Classification:	16	242 Deck Drains:	1
*6A Feature Int:	FLINT RIVER	*204 Federal Route Type:	S No. 02009	243 Parapet Location:	0.00
*6B Critical Bridge:	0	105 Federal Lands Highway:	0	Height:	0.00
*7A Route Number Carried:	CR00363	*110 Truck Route:	0	Width:	0.00
*7B Facility Carried:	McDONOUGH ROAD	206 School Bus Route:	0	238 Curb Height:	1.2
*9 Location:	4.1 MIE OF FAYETTEVILLE	217 Benchmark Elevation:	0000.00	Curb Material:	1
2 DOT District:	3	218 Datum:	0	239 Handrail:	1 1
207 Year Photo:	2006.	*19 Bypass Length:	14	*240 Median Barrier Rail:	0
*91 Inspection Frequency:	24 Date: 7/5/2006	*20 Toll:	3	241 Bridge Median Height:	0.0
92A Fract Crit Insp Freq:	00 Date: 2/1/1901	*21 Maintenance:	02	* Bridge Median Width:	0.0
92B Underwater Insp Freq:	60 Date: 1/3/2007	*22 Owner:	02	230 Guardrail Loc. Dir. Rear:	3
92C Other Spc. Insp Freq:	00 Date: 2/1/1901	*31 Design Load:	2	Fwd:	3
*4 Place Code:	00000	37 Historical Significance:	5	Oppo. Dir. Rear:	0
*5 Inventory Route (O/U):	1	205 Congressional District:	03	Oppo. Fwd:	0
Type:	4	27 Year Constructed:	1956	244 Approach Slab:	3
Designation:	1	106 Year Reconstructed:	0000	224 Retaining Wall:	0
Number:	02009	33 Bridge Median:	0	233 Posted Speed Limit:	45
Direction:	0	34 Skew:	00	236 Warning Sign:	0
*16 Latitude:	33 - 27.5230 HMMS	35 Structure Flared:	0	234 Delineator:	0
Prefix:	84 - 23.1190 HMMS	38 Navigation Control:	0	235 Hazzard Boards:	1
*17 Longitude:	Suffix: MP:0.00	213 Special Steel Design:	0	237 Utilities - Gas:	22
98 Border Bridge:	000 % Shared: 00	267 Type of Paint:	5	Water:	00
99 ID Number:	0000000000000000	*42 Type of Service on:	5	Electric:	00
*100 STRAHNET:	0	Type of Service under:	5	Telephone:	00
12 Base Highway Network:	1	214 Movable Bridge:	0	Sewer:	00
13ALRS Inventory Route:	1131092000	203 Type Bridge:	E N M O	247 Lighting - Street:	0
13B Sub Inventory Route:	0	259 Pile Encasement:	1	Navigation:	0
101 Parallel Structure:	N	*43 Structure Type Main:	3 02	Aerial:	0
*102 Direction of Traffic:	2	45 No. Spans Main:	011	*248 County Continuity No.:	00
*264 Road Inventory Mile Post:	002.09	44 Structure Type Appr:	0 00		
*208 Inspection Area:	03 Initials: WBP	46 No. Spans Appr:	0000		
Engineer's Initial:	KWW	226 Bridge Curve Horz:	0 Vert: 0		
		111 Pier Protection:	0		
* Location I.D. No.:	113-02009F-002.09E	107 Deck Structure Type:	1		
		108 Wearing Surface Type:	0		
		Membrane Type:	0		
		Deck Protection:	8		

Structure ID: 113-0025-0

Programming Data		Measurements		Ratings	
201 Project No.:	BA (3) 371-3	*29 ADT:	013160 Year: 2005	65 Inventory Rating Method:	2
202 Plans Available:	4	109% Trucks:	0	63 Operating Rating Method:	2
249 Prop. Proj. No.:	00000000000000000000000000000000	*28 Lanes On:	02 Under: 00	66 Inventory Type:	2 Rating: 31
250 Approval Status:	0 0 0 0	210 No. Tracks On:	00 Under: 00	64 Operating Type:	2 Rating: 47
251 P.I. No.:	00000000	*48 Max. Span Length:	0040	231 Calculated Loads	
252 Contract Date:	2/1/1901	*49 Structure Length:	310	H-Modified:	20 0
260 Seismic No.:	000000	51 Br. Rwdy. Width:	23.60	HS-Modified:	25 0
78 Type Work:	31 1	52 Deck Width:	30.00	Type 3:	28 0
94 Bridge Imp. Cost:	\$553	*47 Tot. Horiz. Cl:	23.60	Type 3s2:	40 0
95 Roadway Imp. Cost:	\$123	50 Curb / Sidewalk Width:	3.20 / 3.20	Timber:	36 0
96 Total Imp Cost:	\$805	32 Approach Rdwy. Width:	020	Piggyback:	00 0
76 Imp. Length:	000521	*229 Shoulder Width:		261 H Inventory Rating:	23
97 Imp. Year:	1990	Rear Lt:	5.0 Type: 8 Rt: 5.0	262 H Operating Rating:	34
114 Future ADT:	019740 Year: 2025	Fwrd Lt:	2.6 Type: 2 Rt: 2.6	67 Structural Evaluation:	5
		Pavement Width:		58 Deck Condition:	5
		Rear:	20.0 Type: 2	59 Superstructure Condition:	8
		Intersection Rear:	20.0 Type: 2	*227 Collision Damage:	0
		36 Safety Features Br. Rail:	0 Fwrd: 1	60A Substructure Condition:	5
		Transition:	2	60B Scour Condition:	6
		App. G. Rail:	2	60C Underwater Condition:	5
		App. Rail End:	2	71 Waterway Adequacy:	8
		53 Minimum Cl. Over:	99' 99 "	61 Channel Protection Cond.:	6
		Under:	N 00' 00 "	68 Deck Geometry:	2
		*228 Minimum Vertical Cl		69 UnderClr. Horz/Vert:	N
		Act. Odm Dir.:	99' 99 "	72 Appr. Alignment:	8
		Oppo. Dir:	99' 99 "	62 Culvert:	N
		Posted Odm. Dir:	00' 00 "		
		Oppo. Dir:	00' 00 "		
		55 Lateral Undercl. Rt:	N 0.0	Posting Data	
		56 Lateral Undercl. Lt:	0.0	70 Bridge Posting Required:	5
		*10 Max Min Vert Cl:	99' 99 " Dir: 0	41 Struct Open, Posted, CL:	A
		39 Nav Vert Cl:	000 Horiz: 0000	*103 Temporary Structure:	0
		116 Nav Vert Cl Closed:	000	232 Posted Loads	
		245 Deck Thickness Main:	6.30	H-Modified:	00
		Deck Thick. Approach:	0.00	HS-Modified:	00
		246 Overlay Thickness:	0.00	Type 3:	00
		212 Year Last Painted:	Sup: 1999 Sub: 1999	Type 3s2:	00
				Timber:	00
				Piggyback:	00
				253 Notification Date:	2/1/1901
				258 Fed Notify Date:	2/1/1901

Hydraulic Data

215 Waterway Data	
Highwater Elev.:	0000.0 Year: 1900
Flood Elevation:	0000.0 Freq.: 00
Avg. Streambed Elev.:	0000.0
Drainage Area:	00120
Area of Opening:	001830
113 Scour Critical:	U
216 Water Depth:	6.6 Br. Height: 15.4
222 Slope Protection:	1
221 Spur Dikes Rear:	0 Fwrd: 0
219 Fender System:	0
220 Dolphin:	0
223 Culvert Cover:	000
Type:	0
No. Barrels:	0
* Width:	0.00 Height: 0.00
* Length:	0 Apron: 0
265 U/W Insp. Area:	1 Diver: WSR
Location I.D. No.:	113-02009F-002.09E

MINUTES OF INITIAL TEAM CONCEPT MEETING

PROJECT NUMBER: STP-2009(4), PI#: 742870

COUNTIES: FAYETTE /CLAYTON

DATE: August 9, 2006

TIME: 9:00 a.m.

LOCATION: Lovejoy Public Library, 1721 McDonough Road, Hampton, Ga.

ATTENDEES:

Patrick Allen – GDOT Dist 7 TS&D
Tom Queen – GDOT Dist 3 Planning
Matt Sanders – GDOT Road Design
Jack Grant - GDOT Road Design
Joe Jabaley - GDOT Road Design
Tony Jones - GDOT Road Design
Mike Adams – GDOT Planning
Brian Eubanks – Fayette Sheriffs Office
Jeff Metarko – GDOT Clayton Co.
Bill Roundtree – GDOT Dist 3 Design

Joe Macrina – Wolverton Associates
David Blankenship – GDOT Dist 3 Area 5
Mike England – GDOT Dist. 3 TS&D
Kerry Gore – GDOT Dist. 3 Utilities
Mike Lobdell – GDOT Dist. 7 Design
Tyrhonda Edwards – GDOT OEL
Harry Graham – GDOT Dist. 7 TS&D
Yulonda Pride-Foster – GDOT Dist. 7 Utilities
Harry Busby – Fayette County Water System
Jerry Milligan – GDOT R/W

PURPOSE: The purpose of this initial team concept meeting was to discuss the widening and reconstruction of SR 920 (McDonough Road) from SR 54 in Fayette County to US 19/41 Clayton County in order to evaluate the project scope as well as to begin the coordination with the appropriate County and State agencies. Attendance was requested for representatives of the counties involved as well as various GDOT offices including district design, construction and utilities personnel to help better understand the dynamics of this corridor so that a higher quality more detailed concept may be developed.

DISCUSSION: The meeting began at 9:00 a.m. with Matt Sanders bringing the meeting to order and introducing the design group assistant manager, Jack Grant, the project engineer, Tony Jones, and Joe Jabaley who would be taking notes during this meeting. Matt requested that all people in attendance give their name and department where they worked in order to be recognized.

Next, Matt turned the meeting over to Jack Grant, who spoke briefly of the project and introduced Tony Jones who will be the designer for this project. Jack then turned the meeting over to Tony Jones who described the project details while referencing the mosaic displays. Tony discussed the 2 basic typical sections for the project including a switch from a rural to an urban section at the county line. Tony also discussed the replacement of two bridges and possible wetland disturbances. Additionally, Tony pointed out the many public parks on the project and the possible right of way impacts of those on the project.

Jack Grant then started the open discussion with all personnel present by asking each individual to express what views or concerns that they had.

Harry Graham - District 7 TS&D

- Mr. Graham inquired if the project schedule could be moved up as he felt that this was a much needed project. Matt Sanders and Mike Lobdell expressed doubt that the schedule could be shifted and not without affecting other projects in the area.

- Mr. Graham recommended that sidewalks and the 20' raised median be carried throughout the entire project. Harry also recommended that consideration be given to a wider footprint to accommodate possible future growth (six lane section).
- Mr. Graham also recommended that with the number of parks in the vicinity that bike lanes be added throughout the project. (This is state bike route #15, they will be added).
- Mr. Graham expressed that this project is vital to the development of the area and talked about the importance of having local planning groups involved in the various stages of this project as it is being developed.
- Mr. Graham expressed that this project is vital to the development of the area and talked about the importance of having local planning groups involved in the various stages of this project as it is being developed.
- Mr. Graham recommended that roundabouts be considered at various intersections throughout the project (County Line Road, Tara Road, and Folsom Road).

Tyrhonda Edwards – Environmental Location

- Ms. Edwards stated that there would be several parkland impacts on this project as well as wetlands disturbances. Section 404 and 4(f)'s permits and studies will be required and will take time to be performed.

Mike Lobdell – District 7 Preconstruction Engineer

- Mr. Lobdell stated that the cost per mile for this project of one million dollars was too low and that the estimate would need to be revised to reflect the current higher construction cost. The cost per mile will probably be closer to five million.
- Mr. Lobdell also stated that District 7 was involved in a project on Tara Road that would tee into this project.

Patrick Allen – District 7 TS&D

- Mr. Allen asked about intersections and if current signals would be appropriate based on the volume of traffic estimated in the future.
- Mr. Allen also stated that 2 intersections on this project that are on his top 150 list for worst intersections in the state.

Tom Queen – District 3 Planning

- Mr. Queen asked about the US 19/41 intersection and if it might be modified to accommodate more traffic volumes and possibly a park and ride lot.
- Mr. Queen also stated that because of the close proximity of the race track, design should consider the extremely high volume of traffic associated with the 2 annual race events.

Brian Eubanks – Fayette Sheriffs Office

- Mr. Eubanks commented on the growth rate of the area and its impact on this project and the need for traffic studies.
- Mr. Eubanks also mentioned that the eastern bypass project would be tying into the county line road intersection.

Bill Roundtree – District 3 District Design Engineer

- Mr. Roundtree reiterated that the intersection of US19 and SR 41 be studied in detail and that the need for additional turn lanes should be explored.

Joe Macrina – Wolverton & Associates

- Mr. Macrina expressed concerns regarding the staging for replacement of the railroad bridge on his project and how it would impact the SR 19 / US 41 intersection and tie to this project.
- Mr. Macrina suggested that one project or the other should carry through the intersection so that it is only impacted once. (JG: staging the bridge replacement will require the STP-1583-(12) project to cross the intersection and is the best choice for containing the intersection.)

Jeff Metarko – GDOT Clayton Co.

- Mr. Metarko stated that a new Home Depot was under construction on US19 and SR 41 and would be adding an entrance on SR 920. Mr. Metarko furnished site plans for that development and discussed county plans to possibly add a light and align a new drive/road through the park opposite the new Home Depot entrance.
- Mr. Metarko reiterated concerns about handling increased traffic to this area during race weekends.
- Mr. Metarko commented that a Traffic and Pedestrian Access study for the local schools had been done for Clayton DOT. At Lovejoy High and Lovejoy Middle school, findings of that study recommended converting Wildcat Way into a right in/right out drive way on the west side and realigning and signalizing Wildcat Road on the east side. Mr. Metarko furnished a copy of that study.

Mike Adams – GDOT Planning

- Mr. Adams stated that the cost estimate is expected to be over 25 million dollars for this project and will require a VE study.

Harry Busby – Fayette County Water System

- Mr. Busby had concerns over the water and sewer lines for this project specifically in one area where a large subdivision was being planned and currently developed. He did say that this particular area would have its own private sewer system, but the planning for water would have to be coordinated with the contractor building the subdivision. Currently a water main for the development is being relocated so hopefully our construction will not impact it.

Kerry Gore – GDOT Dist. 3 Utilities

- Mr. Gore stated that SUE services have been approved for this project.
- Mr. Gore also mentioned that 150 feet of right of way may not be enough in some areas and several utility easements were present (transmission, gas, etc.)
- Mr. Gore recommended that joint use poles be used on this project.

Jack Grant

- Jack Grant stated that coordination with the districts and involved counties was important for this project, in order to assure that proper planning of the best use of median openings and median opening spacing is utilized to best serve future development.

June 7, 2007

PI# 742870 Concept Team Meeting

Meeting Minutes

Attendees:

Brent Story	GDOT – Road Design
Jim Simpson	GDOT – Road Design
Matt Sanders	GDOT – Road Design
Jeremy Busby	GDOT – Road Design
Darrell DeJean	GDOT – Road Design
Tom Williams	Fayette County Planning and Zoning
Mario Macrina	Wolverton & Associates
Zack Taylor	Fayette County Public Works
Yulonda Pride-Foster	GDOT District 7 – Utilities
Mike England	GDOT District 3 – Traffic Operations
Leonard White	GDOT – Road Design Summer Intern

A brief PowerPoint presentation was given by Darrell DeJean that highlighted the project scope, anticipated design issues and environment concerns, and costs of this project.

Discussion:

1. Matt Sanders emphasized that no environment screening has been done by OEL and the environmental issues presented were only those anticipated by the designers.
2. Mario Macrina indicated that the adjacent project (PI#342970) was in concept development and no design work has been done.
3. The Fayette County representatives mentioned that the East Fayetteville Bypass is in early planning stages and would intersect this project near McDonough Baptist Church. Coordination will be required for median opening placement.
4. Brent Story requested cooperation from Fayette County regarding development along the corridor. Brent requested that Fayette County keep The Department well informed about upcoming developments to aid the designers in placing median openings. Furthermore, Brent requested that inter-parcel connectivity be encouraged by requiring joint use driveways along the corridor, helping to avoid median opening placement conflicts in the design process.
5. Mike England reiterated Brent's comments regarding inter-parcel connectivity.
6. Fayette County expressed concerns regarding impacts to the park (McCurry Park) at the beginning of the project. They requested that The Department consider using multimodal, grade-separated paths to provide connectivity to the park, which has facilities on both sides of SR920. Brent Story and the design team agreed and will consider this request during the design process.
7. Yulonda Pride-Foster said she would confirm what utilities will be impacted on this project. SUE will need to be preformed.

8. The Fayette County representatives asked if The Department has looked at any alternative alignments. They were told that we are waiting for the environmental screenings to determine if a PAR was required. They were also assured that they would be kept abreast of any alignments changes.
9. Brent Story instructed the design team to schedule a meeting with Clayton County officials to give them the opportunity to comment on the proposed project, since no representatives attended the meeting.
10. Mike England expressed concerns over access to Lovejoy High School and the surrounding parks.
11. Mike England requested a layout be furnished to his office for use in making access decisions.
12. Mike England emphasized the importance of having developers donate ROW to help ROW negotiations in the future.
13. Yulonda Pride-Foster emphasized that SUE was suggested but the District Utilities office doesn't have the authority to request and approve SUE on the project.

Concept Meeting with Clayton County Transportation Department

Project Number: STP-2009(4), PI#: 742870

Counties: Fayette/Clayton

Date: July 17, 2007

Location: Clayton County Transportation Department

Attendees:

- Matt Sanders- GDOT Road Design
- Jeremy Busby- GDOT Road Design
- Darrell DeJean- GDOT Road Design
- Tim Gilliam- CCTD
- David Rutledge- CCTD
- Larry Crowe- CCTD
- Andy Adams- Clayton Co.
- Thomas Fleming- Clayton Co.
- Nathan Parrott- Clayton Co.

Discussion: The meeting began at 9:00 A.M. with Matt Sanders bringing the meeting to order by thanking everyone for their time out of their schedules to meet with us and gave a brief summary of what we planned to go over in the meeting. He then introduced the design team while Leonard White took notes during the meeting. Matt requested that everyone in attendance start with introducing themselves and by sharing with us what capacity they worked with Clayton County.

Next, Matt turned the meeting over to Darrell DeJean, who gave a detailed power point presentation of the proposed project, which was followed by discussion.

1. Andy Adams initially expressed his concerns with why the plans showed a proposed 24 ft raised median instead of a 20 foot wide median. Jeremy Busby replied by saying that a 24 ft raised median is now desirable and is within guidelines. This discussion then prompted the question of the spacing of the median openings and if the minimum was still 660' between openings. Jeremy cited the current policy which has new minimums between openings (which was followed when putting together the layouts) as no less than 1320 feet in rural areas and 1000 feet along urban routes. Deviations from those minimums require a design variance which is not preferred.
2. Road Design personnel emphasized the need for cooperation between The Department and Clayton County when granting access rights, in order to avoid conflicts in the future with median openings. Clayton County indicated that they would cooperate fully and direct all access requests through The Department.
3. Andy Adams also wanted to know if there were any environmental assessments or screenings completed. He was told that they are currently being conducted by OEL and that this concept could not be approved until those preliminary studies were finalized.
4. Andy Adams asked about whether this project will be taking the intersection at SR920 and US 19/41, or will the adjacent project to the east take care of it. Jeremy expounded by saying right now it looks like the adjacent project will improve the intersection with US 19/41 and that our project will coordinate and tie to it. Matt followed up by saying that the adjacent project is still very

preliminary or at the same stage as this one is so currently there are no timeframes to indicate when these projects may be completed.

5. Andy Adams then asked whether both projects will share an environmental document or have individual documents. Jeremy said that each project will have separate environmental screenings and documents. He went further by stating that the Consultant hired to design the adjacent project will also be responsible for the environmental studies.
6. Tim Gilliam asked if there was a date for the proposed project and Matt replied that due to the funding crisis that GDOT is facing this project is no longer programmed within the next three years. With that said it is currently up in the air or uncertain when it might be re-programmed.
7. Clayton County officials expressed concerns about requiring developments to consider the project's impacts, such as the raised median and future ROW requirements, since this project is conceptual and the schedule is long range. Matt said that as long as you articulate our intentions with developers that at least they should know what to expect as far as potential access points.
8. Jeremy Busby then asked the attendees if they knew of any future developments or county projects that will need driveways or median openings. He continued to say that if they were any such projects, median openings could be adjusted better at this stage in the plan development instead of later. The attendees didn't mention any at this time.
9. Andy Adams asked when ROW negotiations would begin. He was told that there is no ROW date currently scheduled at this time but it could possibly change as the concept is approved.
10. Larry Crowe questioned the plan for bike lanes and the need for them, but he was told that SR920 is a state bike route so the design template would have to accommodate them.
11. Andy Adams pointed out that there are green spaces that need to be considered along the east side of the Flint River.
12. Nathan Parrott indicated that when the land was purchased as part of the green space program future ROW requirements were considered. He stated that a portion of the land was set aside for future ROW under a separate deed and would send copies of the deed to Road Design.
13. David Rutledge proposed an idea of having developers conduct public meetings for the public to inform them about the future projects. This will hopefully prevent them from developing homes along the road making ROW costs to increase. He was assured that we would hold a public meeting to engage the public once our preliminary environmental work has been done.
14. Larry Crowe indicated his concern with maintenance issues with the proposed grass median. Clayton County proposed using low maintenance grass, like mondo grass, in the median to minimize future maintenance of mowing. Jeremy said that it sounded like a good idea and would look into possibly using it in this case as well as other projects.
15. Clayton County requested copies of the layouts sent to them electronically. Road Design agreed to provide them.

Matt closed the meeting by thanking everyone again for being there and that he looks forward to building a partnership with the Clayton County so this process and future coordination goes as smoothly as possible. He also said that he felt that this meeting was very productive for him as well as everyone involved.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

OFFICE Planning

DATE May 3, 2007

FROM


Angela T. Alexander, State Transportation Planning Administrator

TO

Brent Story, P.E., State Road & Airport Design Engineer Administrator

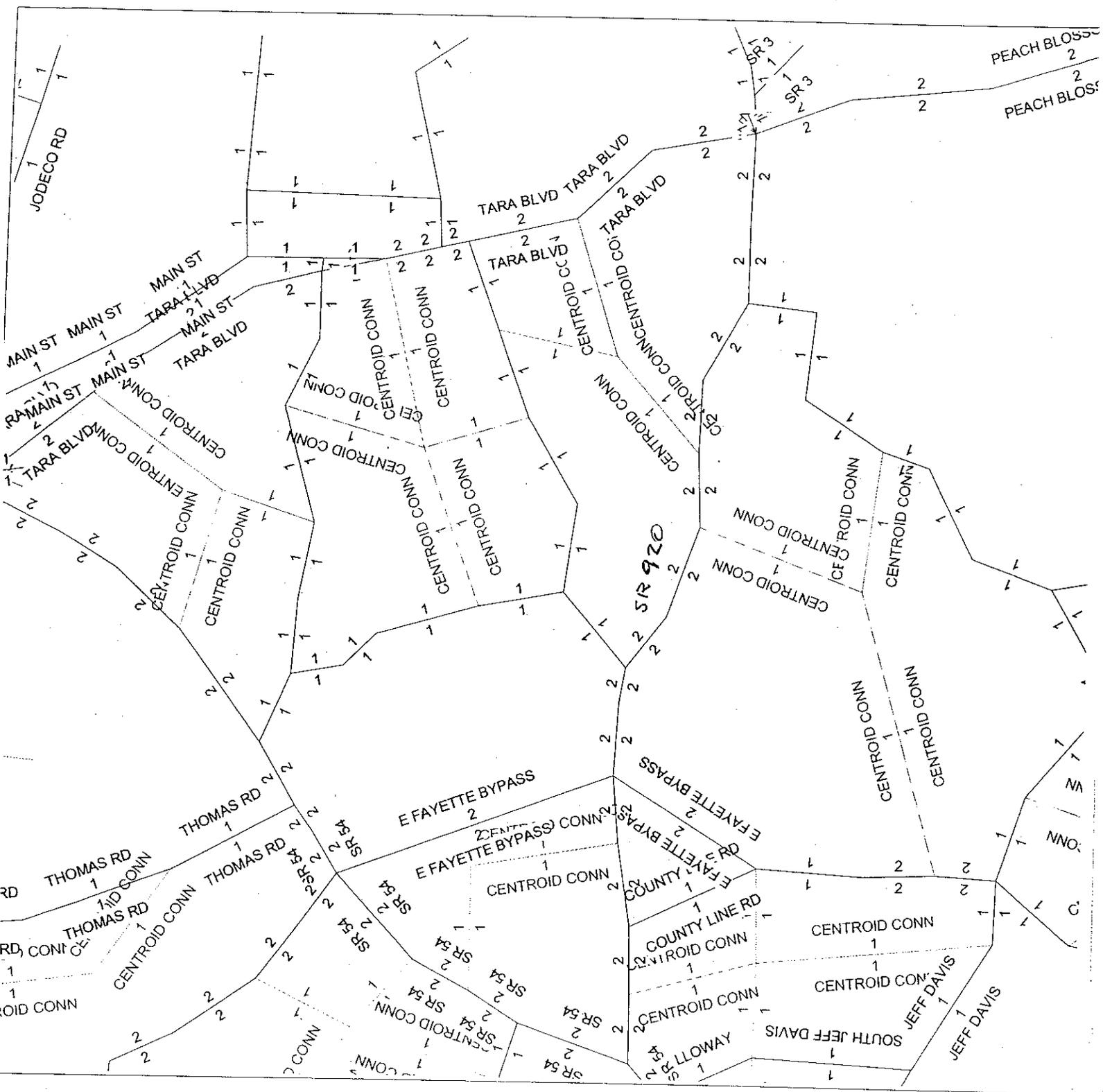
SUBJECT

PROJECT CONCEPT CONFORMITY - CERTIFICATION FOR PRELIMINARY
PLAN REVIEW - Project STP-2009(4), Clayton and Fayette Counties- Widening
SR 920 from SR 54 to SR 3, P.I. No. 742870, CL-101

The Office of Planning is providing this letter of certification as defined in the Plan Development Process Manual of Guidance. The subject project is in conformance with the proposed Air Quality Model of the Atlanta Regional Transportation Plan and the State Transportation Improvement Program.

By copy of this letter, the project concept to widen SR 920 from 2 lanes to 4 lanes from SR 54 to SR 3 is found to conform to the Atlanta Regional Transportation Plan based on the May 1, 2007 review. If any changes occur to the proposed concept, please notify this office immediately. If you have any questions, please call Steve Walker at 404-656-5427.

ATA:sw



JODECO RD

MAIN ST
MAIN ST
MAIN ST
TARA BLVD
TARA BLVD
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TARA BLVD

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TARA BLVD
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PEACH BLOSSOM
PEACH BLOSSOM

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JEFF DAVIS
CENTROID CONN
CENTROID CONN
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**Benefit Cost Analysis Work Sheet
CONGESTION Projects**

STP-2009(4)

PI# 742870

CLAYTON / FAYETTE

SR 920 from SR54 to US 19 / SR 3

Congestion Benefit = Tb + CMb + Fb

Person Time Savings Benefit (Tb)

*Db (hrs)	0.059
ADT	51,700.00
Tb (\$s)	\$104,854,062.50

Commercial or Truck Time Savings Benefit (CMb)

Db (hrs)	0.059
% Truck Traffic	0.08
ADT	51,700.00
CMb	\$44,320,859.00

Fuel Savings Benefit (Fb)

ADT	51,700.00
Fb (\$s)	\$36,540,052.08

Total Congestion Benefit	\$185,714,973.58
Total Project Cost	\$65,083,373.26
B/C Ratio	2.85