

ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE HPP-0000-00(265) Fulton County **OFFICE** Preconstruction
P. I. No. 0000265 **DATE** October 12, 2000

FROM *CWH*
C. Wayne Hutto, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

Tom Turner
David Mulling
Harvey Keeper
Jerry Hobbs
Herman Griffin
Michael Henry
Marion Waters
Marta Rosen
Paul Liles
Jimmy Chambers (ATTN: Ted Cashin)
Steve Henry

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE HPP-0000-00(265) Fulton County **OFFICE** Preconstruction
P.I. No. 0000265 **DATE** September 26, 2000

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

TO J. Tom Coleman, Jr., Commissioner

SUBJECT PROJECT CONCEPT REPORT

This project is the intersection improvements to Hardscrabble Road at Chaffin Road in the City of Roswell. This is a "dog-legged" intersection and the project includes improvements at both locations. The limits of the project extend from 600' west of the first intersection to 600' east of the second intersection for a total project length of 0.50 mile. Hardscrabble Road is a two lane roadway consisting of 22' of pavement with an open ditch drainage system on the south side and a closed drainage system on the north side of the roadway. This project is needed due to increased development in the area and to help reduce the high number of rear end accidents attempting to turn left onto Chaffin Road. Base year traffic (2000) is projected at 17,144 VPD and the design year traffic (2020) is projected at 21,211 VPD.

The proposed construction will provide a three lane urban section on Hardscrabble Road with a 4' bike lane and 5' sidewalk on both sides. Auxiliary right turn lanes, northbound and southbound, will be included on Chaffin Road. The widening of the roadway will be done symmetrically to alleviate the need for extensive right-of-way acquisition and allow traffic to be maintained in each direction during construction. It is proposed that the intersections be signalized to decrease excessive side street delay and driver frustration. If the intersections remain unsignalized, analysis indicates operations will be at Level of Service "F" for the design year 2020.

Environmental concerns include requiring a Categorical Exclusion be prepared; a public information meeting will be held; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$761,000	\$400,000	2004	03-07
Right-of-Way & Utilities*	Local	Local		

*To be done by contract.

J. Tom Coleman, Jr.
Page 2

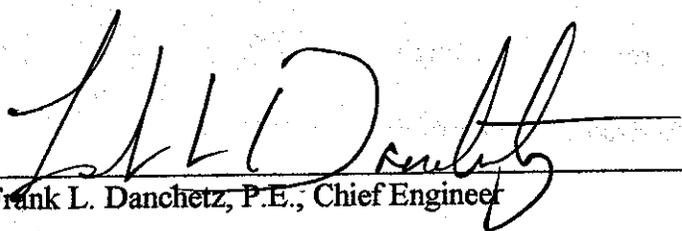
HPP-0000-00(265) Fulton
September 26, 2000

This project is in the STIP. I recommend this project concept be approved.

TLT:JDQ/cj

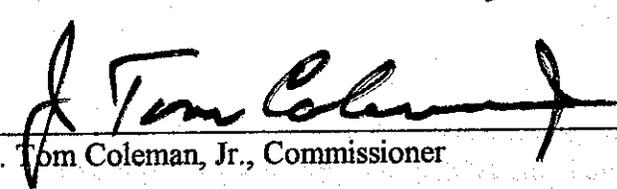
Attachment

CONCUR



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

APPROVE



J. Tom Coleman, Jr., Commissioner

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: HPP-0000-00(265) Fulton
P.I. Number 0000265

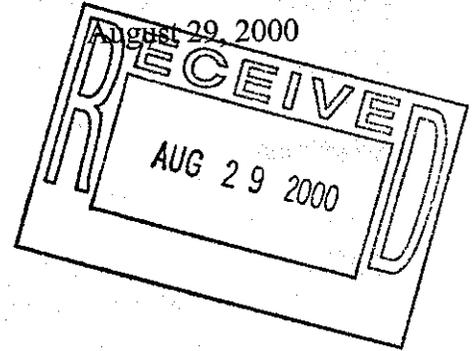
OFFICE: Atlanta, Georgia

DATE:

FROM: David Mulling, Project Review Engineer *DM*

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT



We have reviewed the concept report submitted August 28, 2000 by the letter from Stephen T. Henry dated August 8, 2000, and have the following comment:

1. The estimated costs for reimbursable utilities and right of way were not included with the report.

The costs for the project are:

Construction	\$629,000
Inflation	\$ 63,000
E&C	\$ 69,000
Reimbursable Utilities	\$?
Right of Way	\$?

DTM

c: Steve Henry

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

PROJECT NO. HPP-000-00(265)

FULTON COUNTY

INTERSECTION IMPROVEMENTS
HARDSCRABBLE ROAD AT CHAFFIN ROAD

U.S. Route No.: None
State Route No.: None
GA DOT P.I. No.: 0000265

Location Map: See Page 2

Date of Report: July 28, 2000

RECOMMENDATION FOR APPROVAL

Date _____ State Environmental/Location Engineer _____

Date _____ State Traffic Operations Engineer _____

8-15-00

Date

Stephen T. Henry
District Engineer

8/29/00

Date

C. J. M. [Signature]
State Project Review Engineer

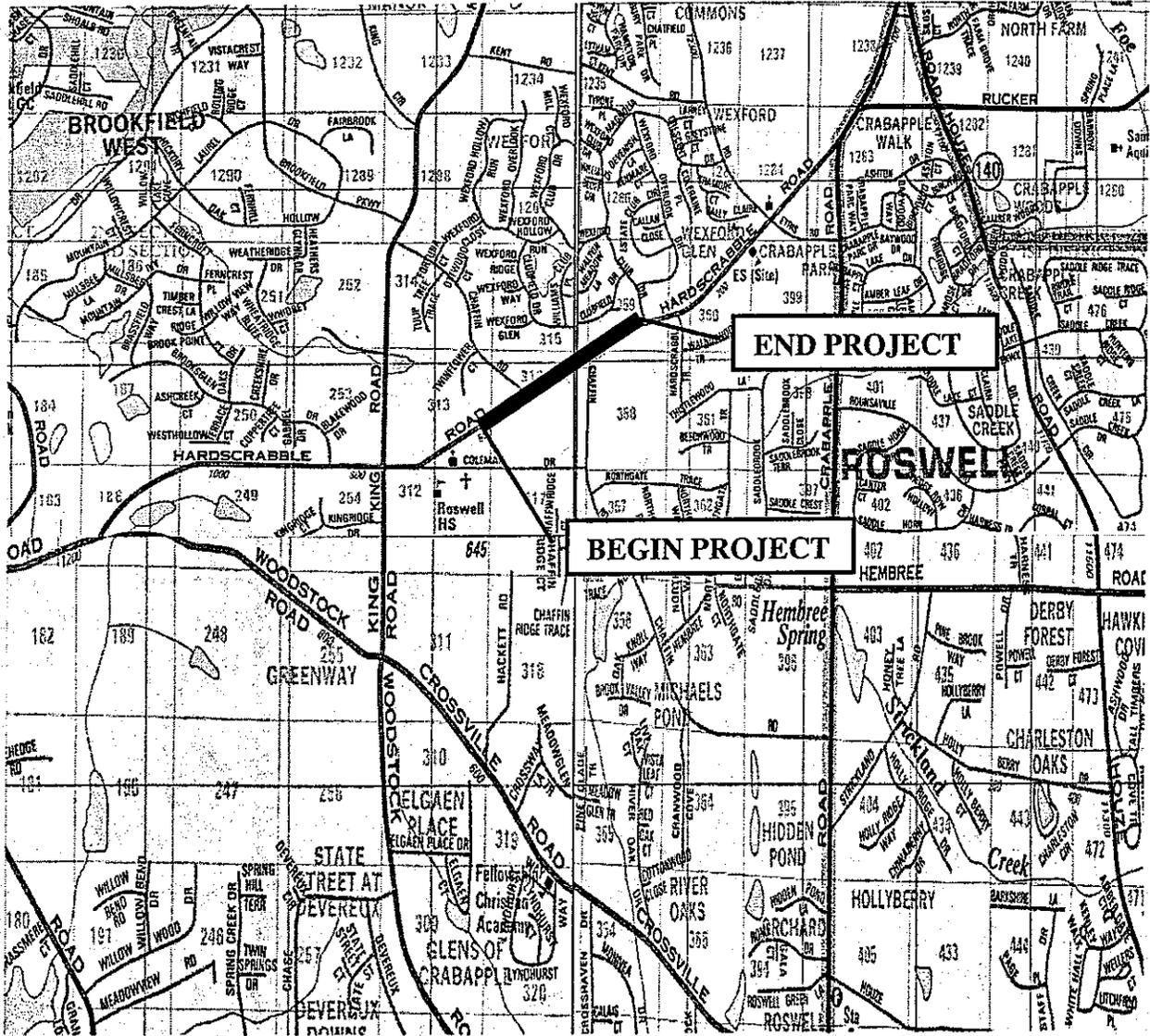
Date _____

State Transportation Planning Administrator _____

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

PROJECT CONCEPT REPORT
PROJECT NUMBER HPP-000-00(265)
P.I. NO. 0000265

PROJECT LOCATION MAP



PROJECT CONCEPT REPORT
PROJECT NUMBER HPP-000-00(265)
P.I. NO. 0000265

PROJECT DESCRIPTION

DATE: July 7, 2000
PROJECT NUMBER: HPP-000-00(265) COUNTY: Fulton
DESCRIPTION: Intersection Improvements - Hardscrabble Road at Chaffin Road LENGTH: 0.5 miles
P.I. NO.: 0000265 U.S. ROUTE NO.: N/A STATE RT. NO. N/A
LOCATION: The project is located in the City of Roswell in North Fulton County
MILE POINT REFERENCE: AT INTERSECTION N/A

TRAFFIC

<u>CURRENT</u>		<u>BASE</u>		<u>PROJECTED</u>	
<u>YEAR</u>	<u>AADT</u>	<u>YEAR</u>	<u>AADT</u>	<u>YEAR</u>	<u>AADT</u>
2000	17144*	2003	17700	2020	21211**

PDP CLASSIFICATION

Minor

FUNCTION CLASSIFICATION

Minor Arterial Rural

* - From Greater Traffic Co. traffic volume count on 2-14-00.

** - ARC's estimated 2020 traffic for this intersection.

PROJECT DESIGNATION: Exempt

EXISTING DESIGN

TYPICAL SECTION: The existing typical section for Hardscrabble Road is a two-lane roadway approximately 22 feet wide with asphalt concrete pavement. Hardscrabble Road has predominantly an open channel drainage system, however a closed drainage system does exist along a segment of the northern side of the roadway. The right-of-way is approximately 100 feet wide for this section of Hardscrabble Road.

<u>POSTED SPEED</u>	<u>MIN. EXISTING RADIUS OF CURVE</u>	<u>MAX. EXISTING GRADE</u>
<u>40</u> MPH	<u>1363</u> FEET	<u>3.5</u> %
MPH	FEET	%

EXISTING MAJOR STRUCTURES

<u>FEATURES INTERSECTED</u>	<u>LENGTH</u>	<u>WIDTH</u>
None		

PROJECT CONCEPT REPORT
PROJECT NUMBER HPP-000-00(265)
P.I. NO. 0000265

ACCIDENT HISTORY

Hardscrabble Road at Chaffin Road (North)

YEAR	ALL ACCIDENTS		INJURY ACCIDENTS		FATAL ACCIDENTS	
	Rate	Number	Rate	Number	Rate	Number
1995	Rear End	1	N/A	N/A	N/A	N/A
	Angle/Lt Turn	2	N/A	N/A	N/A	N/A
1996	Rear End	-	N/A	N/A	N/A	N/A
	Angle/Lt Turn	2	N/A	N/A	N/A	N/A
1997	Rear End	2	N/A	N/A	N/A	N/A
	Angle/Lt Turn	-	N/A	N/A	N/A	N/A
1998	Rear End	2	N/A	N/A	N/A	N/A
	Angle/Lt Turn	1	N/A	N/A	N/A	N/A
Sub-Total	Rear End	5	N/A	N/A	N/A	N/A
	Angle/Lt Turn	5	N/A	N/A	N/A	N/A
Total		10		2		None

Notes: All rear end type accidents occurred on Hardscrabble Road while vehicles were waiting to turn left onto Chaffin Road.
All left turn type accidents occurred with vehicles attempting a left turn movement from Chaffin Road onto Hardscrabble Road.

Hardscrabble Road at Chaffin Road (South)

YEAR	ALL ACCIDENTS		INJURY ACCIDENTS		FATAL ACCIDENTS	
	Rate	Number	Rate	Number	Rate	Number
1995	Rear End	3	N/A	N/A	N/A	N/A
	Angle/Lt Turn	4	N/A	N/A	N/A	N/A
1996	Rear End	2	N/A	N/A	N/A	N/A
	Angle/Lt Turn	3	N/A	N/A	N/A	N/A
1997	Rear End	-	N/A	N/A	N/A	N/A
	Angle/Lt Turn	-	N/A	N/A	N/A	N/A
1998	Rear End	1	N/A	N/A	N/A	N/A
	Angle/Lt Turn	1	N/A	N/A	N/A	N/A
	Other	2	N/A	N/A	N/A	N/A
Sub-Total	Rear End	6	N/A	N/A	N/A	N/A
	Angle/Lt Turn	8	N/A	N/A	N/A	N/A
	Other	2	N/A	N/A	N/A	N/A
Total		16		None		None

Notes: 83% of rear end type accidents occurred on Hardscrabble Road while vehicles were waiting to turn left onto Chaffin Road.
All left turn type accidents occurred with vehicles attempting a left turn movement from Chaffin Road onto Hardscrabble Road.

PROJECT CONCEPT REPORT
PROJECT NUMBER HPP-000-00(265)
P.I. NO. 0000265

PROJECT NEED AND PURPOSE

The project is located in the City of Roswell in North Fulton County. The project begins in the vicinity of the western intersection of Hardscrabble Road and Chaffin Road and ends in the vicinity of the eastern intersection of Hardscrabble Road and Chaffin Road. We will maintain the existing alignment of Hardscrabble Road. The widening of Hardscrabble Road will be done symmetrically about the existing alignment. The existing right-of-way should be sufficient for the proposed roadway, however some of the properties at each of the intersections will require right-of-way miters for the installation of traffic signals, and some of the 22 adjacent parcels will require easement for the construction and maintenance of the roadway. An auxiliary right turn lane will also be provided at the eastern intersection of Hardscrabble Road and Chaffin Road. This right turn lane will require right-of-way from adjacent parcels.

Additional improvements will include the construction of auxiliary right-turn lanes for both the northbound and southbound traffic on Chaffin Road. These right turn lanes may require right-of-way and easements for the construction and maintenance of the roadway from parcels adjacent to the right turn lanes. Preliminary estimates indicate the construction limits extending approximately 300 feet on Chaffin Road from Hardscrabble Road at each of the two intersections.

Due to the overall growth of the surrounding area and development located in the area of the corridor, traffic volumes along Hardscrabble Road have increased and are anticipated to continue to increase in the future. To maximize the usefulness of the existing roadway, the traffic operations must be improved in this area. The addition of a left turn lane for motorists attempting a left turn onto Chaffin Road will alleviate a portion of the through traffic volume that currently would be halted by the left turn movement. Furthermore, the addition of a left turn lane will reduce the rear end type accidents and improve the overall safety within the project corridor. The addition of right turn lanes for motorists on Chaffin Road will reduce delays for vehicles attempting a right turn onto Hardscrabble Road.

The eastern intersection of Hardscrabble Road and Chaffin Road operates today at a level of service (LOS) A. The western intersection of Hardscrabble Road and Chaffin Road operates today at a LOS B. However, left turning movements from the Chaffin Road approaches operate at LOS F. If no improvements are made to the roadway network, both approaches will experience continually increasing delays leading up to the design year (2020). An analysis of the intersections with the addition of a two-way left turn lane on Hardscrabble Road and right turn lanes on the Chaffin Road approaches indicates that the intersections would still operate at LOS F in the design year. This failure is due to insufficient through lane capacity on Hardscrabble Road. Even if Hardscrabble Road were widened, excessive side street delays would still be present if the intersections remain unsignalized. These types of delays can lead to driver frustration and the tendency to take greater risks by accepting smaller gaps. Such risk taking can lead to right angle type accidents. For this reason, signalization should be considered for the two intersections.

This intersection improvement project is located within the project limits of a project contained in the Statewide Transportation Improvement Program (STIP). The concept for this intersection improvement project as presented herein and submitted for approval is consistent with the concept for the project in the STIP. The Atlanta Regional Commission's project number for this project is FN 192E.

PROJECT CONCEPT REPORT
PROJECT NUMBER HPP-000-00(265)
P.I. NO. 0000265

PROPOSED TYPICAL SECTION: The primary typical section that will be used is a 3-lane urban section with bike lanes, sidewalk and a closed drainage system. There are two 12-foot lanes and one 12-foot center left turn lane. Two 4-foot bike lanes will be used, along with 24-inch curb and gutter. Also, a 5-foot concrete sidewalk will be constructed 2 feet from the curb and gutter. See the attached typical section for more details.

RIGHT-OF-WAY WIDTH: 100 feet (existing)

DESIGN SPEED: 45 mph

MIN. RADIUS OF CURVE: ALLOWABLE: 739 ft. PROPOSED: 1363 ft.

MAX. GRADE: ALLOWABLE: 7.0 % PROPOSED: 3.5 %

TYPE ACCESS: By permit from the City of Roswell.

TRAFFIC CONTROL DURING CONSTRUCTION: Maintain one lane of traffic in each direction during construction at all times.

PROJECT CONCEPT REPORT
PROJECT NUMBER HPP-000-00(265)
P.I. NO. 0000265

PROPOSED STRUCTURES

<u>FEATURES INTERSECTED</u>	<u>LENGTH</u>	<u>HEIGHT</u>	<u>WIDTH</u>
N/A			

DESIGN EXCEPTIONS TO BE REQUIRED

<u>CONTROLLING CRITERIA</u>	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ROADWAY WIDTH	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SHOULDER WIDTH	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL GRADES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CROSS SLOPES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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"/>

PROJECT CONCEPT REPORT
PROJECT NUMBER HPP-000-00(265)
P.I. NO. 0000265

ESTIMATED COST

CONSTRUCTION:	<u>\$628,775.75</u>	RIGHT-OF-WAY:	<u>By Locals</u>
INFLATION: *	<u>\$62,877.58</u>	ACQUIRED BY:	<u>By Locals</u>
E & C (10%):	<u>\$62,877.58</u>	UTILITIES:	<u>By Locals</u>
	<u>* 5% for Two Years</u>	ADJUSTED BY:	<u>LGPA submitted</u>
GRAND TOTAL COST:			<u>\$754,530.90</u>

NUMBER OF PARCELS: 22

DISPLACEMENTS: None

LEVEL OF ENVIRONMENTAL ANALYSIS: Categorical Exclusion

PUBLIC INVOLVEMENT: Public Information Meeting will be held by the City of Roswell.

PERMITS REQUIRED (COE 404, WATER QUALITY, TVA): None

TIME SAVINGS PROCEDURES APPROPRIATE: X YES NO

LOCAL GOVERNMENT COMMITMENTS: _____

SCHEDULING CONSIDERATIONS: Time to complete Environmental- 4 months
Time to complete 404 permit - N/A
Time to complete preliminary plans - 6 months
Time to complete final construction plans - 4months
Time to acquire right-of-way - 12 months

OTHER PROJECTS IN THE AREA: STIP Project on Hardscrabble Road from S.R. 92 to Rucker Road.

CONCEPT TEAM MEETING DATE: May 12, 2000

POSSIBLE LOCATIONS OF USTS: None

PROBABLE LOCATION OF HAZARDOUS WASTE: None

OTHER ALTERNATIVES CONSIDERED: Build, No Build

COMMENTS: In order to minimize the impacts to the adjacent properties and maintain the roadway within the existing right-of-way, the City of Roswell desires to widen the existing roadway symmetrically about the existing roadway alignment.

ATTACHMENTS: Cost Estimate
Typical Sections
Concept Team Meeting Minutes

PROJECT CONCEPT REPORT
PROJECT NUMBER HPP-000-00(265)
P.I. NO. 0000265

Notice of Location and Design Approval

Project Number HPP-000-00(265)
Fulton County
P.I. # 0000265

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

The project is located in the City of Roswell in North Fulton County. The project begins in the vicinity of the western intersection of Hardscrabble Road and Chaffin Road and ends in the vicinity of the eastern intersection of Hardscrabble Road and Chaffin Road. This project is located the 1st Land District, 2nd Section, Land Lots 313, 316, 358 and 359.

Date of Location and Design Approval: _____.

This project will improve the intersections of Hardscrabble Road and Chaffin Road. Improvements include the addition of a center left turn lane, curb and gutter, and sidewalks on Hardscrabble Road. We will maintain the existing alignment of Hardscrabble Road. The widening of Hardscrabble Road will be done symmetrically about the existing alignment. Additional improvements include the addition of auxillary right turn lanes on each approach of Chaffin Road.

Drawings or maps or plats of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation (5025 New Peachtree Road, Chamblee, Georgia 30341). Or, any interested party may obtain a copy of the drawings or maps or plats by writing to the Georgia Department of Transportation, No. 2 Capitol Square, Atlanta, Georgia 30334 and paying a nominal cost therefore.

Any written request to this notice SHOULD include the PROJECT AND PI NUMBERS AS NOTED AT THE TOP OF THIS NOTICE AND may be referred to:

Stephen T. Henry
Georgia Department of Transportation
District 7
5025 New Peachtree Road
Chamblee, GA 30341
(770) 986-1050

PROJECT DESCRIPTION AND COST ESTIMATE

HARDSCRABBLE ROAD / CHAFFIN ROAD INTERSECTION IMPROVEMENTS

July 28, 2000

For: City of Roswell Transportation Department

Project No.: HPP-000-00(265)

Prepared by: HDR/WLJorden, Inc.

DESCRIPTION	UNITS	UNIT PRICE	QUANT.	COST
A. RIGHT OF WAY				
B. UTILITIES				
C. CLEARING AND GRUBBING	AC	1,200.00	6	\$7,200.00
D. EARTHWORK				
BORROW	CY	4.50	5000	\$22,500.00
UNCLASSIFIED EXCAVATION	CY	3.50	4000	\$14,000.00
			Sub-total	\$43,700.00
E. BASE AND PAVING				
ASPH CONC 9.5 mm SUPERPAVE (165#/SY)	TN	38.75	1025	\$39,718.75
ASPH CONC 19 mm SUPERPAVE (220#/SY)	TN	36.00	680	\$24,480.00
ASPH CONC 25 mm SUPERPAVE (440#/SY)	TN	37.50	1360	\$51,000.00
LEVELING	TN	39.25	350	\$13,737.50
TACK COAT	GAL	1.00	1310	\$1,310.00
GRADED AGGREGATE BASE (8")	TN	15.60	3470	\$54,132.00
			Sub-total	\$184,378.25
F. DRAINAGE				
STORM DRAIN PIPE, 18 IN	LF	28.00	1500	\$42,000.00
STORM DRAIN PIPE, 24 IN	LF	43.00	90	\$3,870.00
F.E.S., 18 IN, STORM DRAIN	EA	425.00	3	\$1,275.00
F.E.S., 24 IN, STORM DRAIN	EA	500.00	1	\$500.00
STRUCTURES				
CATCH BASINS	EA	1,900.00	16	\$30,400.00
MANHOLES	EA	1,600.00	2	\$3,200.00
DROP INLETS	EA	1,600.00	8	\$12,800.00
			Sub-total	\$94,045.00
G. CONCRETE WORK				
CURB AND GUTTER	LF	9.00	3450	\$31,050.00
SIDEWALK	SY	33.00	2300	\$75,900.00
CONCRETE VALLEY GUTTER	SY	26.50	275	\$7,287.50
DRIVEWAYS	SY	28.00	250	\$7,000.00
			Sub-total	\$121,237.50
H. TRAFFIC CONTROL	LS	30,000.00	1	\$30,000.00
I. EROSION CONTROL	LS	15,000.00	1	\$15,000.00
J. SIGNING & MARKING	LS	7,500.00	1	\$7,500.00
K. GRASSING	LS	10,000.00	1	\$10,000.00
			Sub-total	\$62,500.00
L. TRAFFIC SIGNALS				
INSTALLATION NO. 1	LS	60,000.00	1	\$60,000.00
INSTALLATION NO. 2	LS	60,000.00	1	\$60,000.00
INTERCONNECT CABLE	LF	2.65	1100	\$2,915.00
			Sub-total	\$122,915.00
M. MISCELLANEOUS				\$0.00
N. MAJOR STRUCTURES				\$0.00
			Sub-total	\$0.00
			Total	\$628,775.75
			Inflation *	\$62,877.58
			E/C (10%)	\$62,877.58
			GRAND TOTAL	\$754,530.90

* - 5% for 2 years

CASE 1 → Width → 0'-0" < WIDTHS < 2'-0"
 CASE 2 → Road → 2'-0" < WIDTHS < 5'-0"
 CASE 3 → Road → 5'-0" < WIDTHS

CLASS "B" CONCRETE BASE OR PAVEMENT WIDENING
 ITEM NUMBER 500-989-SY
 NOT TO SCALE

In proposed areas between the existing paving and new curb and gutter that are 2'-0" or less in width, Class "B" concrete base and pavement will be made under Class "B" concrete base and pavement widening.

In proposed areas between the existing paving and new curb and gutter that are greater than 2'-0" but no more than 5'-0" in width, the Contractor may place Class "B" concrete base and pavement specified, in these areas, payment will be made for more of the price bid for the equivalent base and paving materials otherwise required.

Case 2:
 In proposed areas between the existing paving and new curb and gutter that are greater than 5'-0" but no more than 5'-0" in width, the Contractor may place Class "B" concrete base and pavement specified, in these areas, payment will be made for more of the price bid for the equivalent base and paving materials otherwise required.

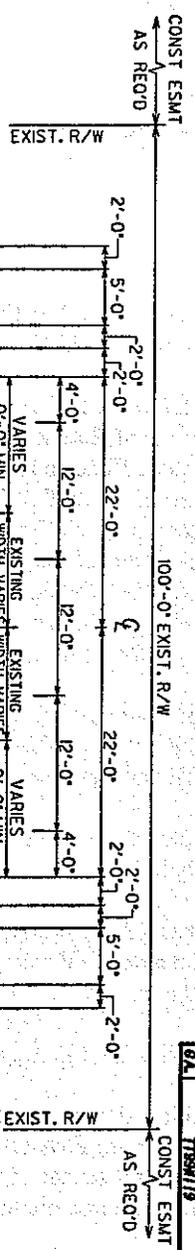
Case 3:
 In proposed areas greater than 5'-0" in width, the Contractor shall provide base and paving as specified on the typical section, CONST ESMT.

ALTERNATE BANDS TABLE

REVISION	DESCRIPTION
1	REVISION BY THE ARCHITECT
2	REVISION BY THE ARCHITECT
3	REVISION BY THE ARCHITECT
4	REVISION BY THE ARCHITECT
5	REVISION BY THE ARCHITECT
6	REVISION BY THE ARCHITECT
7	REVISION BY THE ARCHITECT
8	REVISION BY THE ARCHITECT
9	REVISION BY THE ARCHITECT
10	REVISION BY THE ARCHITECT

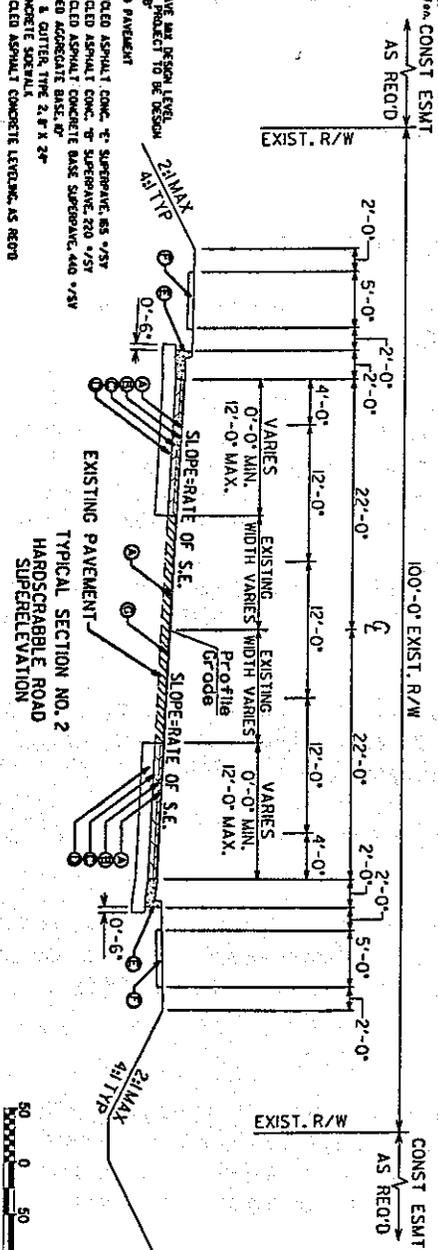
1. ALL NEW PAVEMENT SHALL BE MADE OF 4" MINIMUM THICKNESS OF CLASS "B" CONCRETE.
2. ALL EXISTING PAVEMENT SHALL BE REPAIRED TO ORIGINAL CONDITION.
3. ALL EXISTING CURBS SHALL BE REPAIRED TO ORIGINAL CONDITION.
4. ALL EXISTING GUTTERS SHALL BE REPAIRED TO ORIGINAL CONDITION.
5. ALL EXISTING SIDEWALKS SHALL BE REPAIRED TO ORIGINAL CONDITION.
6. ALL EXISTING DRIVEWAYS SHALL BE REPAIRED TO ORIGINAL CONDITION.
7. ALL EXISTING BIKEWAYS SHALL BE REPAIRED TO ORIGINAL CONDITION.
8. ALL EXISTING LIGHT FIXTURES SHALL BE REPAIRED TO ORIGINAL CONDITION.
9. ALL EXISTING SIGNAGE SHALL BE REPAIRED TO ORIGINAL CONDITION.
10. ALL EXISTING UTILITIES SHALL BE REPAIRED TO ORIGINAL CONDITION.

PROPERTY AND EXISTING ROW LINE
 UNDISTURBED ROW LINE
 PROPOSED ROW LINE
 EXISTING PAVEMENT
 PROPOSED PAVEMENT
 EXISTING CURB AND GUTTER
 PROPOSED CURB AND GUTTER
 EXISTING SIDEWALK
 PROPOSED SIDEWALK
 EXISTING DRIVEWAY
 PROPOSED DRIVEWAY
 EXISTING BIKEWAY
 PROPOSED BIKEWAY
 EXISTING LIGHT FIXTURE
 PROPOSED LIGHT FIXTURE
 EXISTING SIGNAGE
 PROPOSED SIGNAGE
 EXISTING UTILITY
 PROPOSED UTILITY



SLOPE CONTROL SCHEDULE

SLOPE	CUT	FILL
4%	0'-6"	ALL
2%	0'-6"	ALL
1%	0'-6"	ALL



SCALE IN FEET

50	0	50	100
----	---	----	-----

HDR/WL Jordan
 ENGINEER
 1000 W. 10TH AVENUE
 DENVER, CO 80202
 (303) 733-1100

DATE	REVISIONS	DATE	REVISIONS

CITY OF ROSSWELL
 TYPICAL SECTIONS
 PROJECT NO. 1598115
 DATE 8/28/00 DWG NO. 3-01

**GEORGIA DEPARTMENT OF TRANSPORTATION
HARDSCRABBLE-CHAFFIN INTERSECTION IMPROVEMENTS
CONCEPT TEAM MEETING
Project No. HPP-000-00(265)
P.I. No. 0000265**

ATTENDEES

<u>Name</u>	<u>Representing/Title</u>	<u>Telephone</u>
Key Phillips	Georgia DOT - Preconstruction	(770) 986-1050
Scott Lee	Georgia DOT - Preconstruction	(770) 986-1050
Scott Zehngraff	Georgia DOT - Traffic Operations	(770) 986-1073
Robert Crawford	Georgia DOT - Preconstruction	(770) 986-1050
Zewdie Behele	Georgia DOT - Environment/Location	(404) 699-4439
Art Buckley	Georgia DOT - Utilities	(770) 986-1090
John Bishop	City of Roswell	(770) 594-6423
Stan Hicks	HDR/WL Jorden, Inc.	(678) 775-4800
Mike Williams	HDR/WL Jorden, Inc.	(678) 775-4800

MINUTES OF MEETING

The Concept Team Meeting was held May 12, 2000 at the Georgia Department of Transportation (GDOT) Metro District Office, 5025 New Peachtree Road, Chamblee, Georgia.

HDR/WLJorden, Inc. gave a brief overview of the project. The project consists of improvements to two intersections of Hardscrabble Road and Chaffin Road. There are two T-intersections of Chaffin Road with Hardscrabble Road separated by a distance of approximately 1100 feet. The limits of the project extend from a point approximately 600 feet east of the first intersection to 600 feet west of the second intersection for a total project length of 2300 feet. The original scope of the project was to widen the existing roadway to three lanes within the limits of the project using a rural type typical section. The City of Roswell has recently obtained federal funding for the project. The revised scope of the project will include curb and gutter and sidewalks. The existing right-of-way is 100 feet. There are approximately twenty-two parcels with right-of-way impacts. Most of these will require construction easements.

The typical section will be a three-lane section with provision for bike lanes. Curb and gutter and sidewalk will be constructed on both sides within the full width section. No curb and gutter will be constructed where the widened section tapers back to existing. A three-lane section is programmed in the TIP.

It was noted that the planned three-lane section would not increase the capacity of the roadway. The slope control table should be revised to a 4:1 slope in all fill sections.

GDOT has a newer version of the concept report format and will provide this updated version to HDR/WLJ. It should be noted in the concept report that access is by City of Roswell permit. It should also note other projects, if any, in the immediate project area. Scheduling considerations will need to be completed.

GDOT will issue the Location and Design Notice.

The accident data should be completed and included in the concept report. If the proposed improvements reduce accidents and improve safety, then a discussion to that effect should be included in the need and purpose statement. The need purpose statement should contain information on the existing and design year level of service (LOS), with and without improvements. Traffic signal warrant information should also be discussed.

HDR/WLJ will complete the signal warrant study and the traffic analysis to determine the existing and future level of service.

The project will be advertised and let by GDOT.

The project is currently programmed for FY 2000, if the project cannot make FY 2000 the project will be shifted to FY 2004. The City can petition the ARC to move the project forward, FY 2002 at the earliest.

The total funds appropriated for this project are \$400,000; this involves an 80/20 match with a maximum federal share of \$320,000. The City will be responsible for funds in excess of \$320,000.

Environmental documentation will be needed for the project. It is anticipated that a Categorical Exclusion will be the level of documentation necessary.

The purpose and need should include the Atlanta Regional Commission's project number.

HDR/WLJ will review realignment of the east intersection to get a minimum 70 to 75 degree skew.

Typical section should use 9.5 mm mix for asphalt surface course. The typical sections will be revised to remove any unnecessary notes and/or tables that are illegible.

The costs for the traffic signals were questioned. The cost estimate in the concept report shows \$30,000 per signal. Current costs are in the \$60,000 range. Interconnect cable should be added to the cost of the traffic signals.

The sidewalk should be extended to the end of the project on the north side of the roadway.

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

PROJECT NO. HPP-000-00(265)

FULTON COUNTY

INTERSECTION IMPROVEMENTS
HARDSCRABBLE ROAD AT CHAFFIN ROAD

U.S. Route No.: None
State Route No.: None
GA DOT P.I. No.: 0000265

Location Map: See Page 2

Date of Report: July 28, 2000

RECOMMENDATION FOR APPROVAL

Date

9/11/2000

Date

8-15-00

Date

Date

Date

State Environmental/Location Engineer

Marion S. Walters

State Traffic Operations Engineer

Stephen T. Henry

District Engineer

State Project Review Engineer

State Transportation Planning Administrator

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

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Location Map: See Page 2

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RECOMMENDATION FOR APPROVAL

Date _____ State Environmental/Location Engineer

Date _____ State Traffic Operations Engineer

8-15-00

Date

Stephen T. Henry
District Engineer

Date _____ State Project Review Engineer

9-8-00

Date

Marta V. Rosen
State Transportation Planning Administrator

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