

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0007664, Ware County
CSSTP-0007-00(664)
Widening of Hatcher Point Road

OFFICE Preconstruction

DATE September 18, 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
Glenn Durrence
Angela Alexander
Dennis Odom
Brad Saxon
BOARD MEMBER

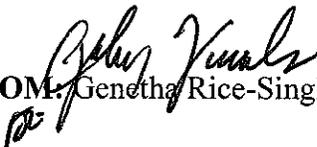
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0007664, Ware County
CSSTP-0007-00(664)
Widening of Hatcher Point Road

OFFICE: Preconstruction

DATE: September 10, 2008

FROM:  Genetha Rice-Singleton, Assistant Director of Preconstruction

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

SUBJECT: PROJECT CONCEPT REPORT

This project is the widening and reconstruction of Hatcher Point Road from Memorial Drive/SR 4/US 1/US 23 to King Avenue/SR 520/US 82 for a total of 0.40 miles. Hatcher Point Road is a two lane urban collector that serves several high traffic generating businesses. These include a Wal-Mart Supercenter, a fuel station, Lowes and the Waycross Mall. There were 36 accidents reported along Hatcher Point Road between 2003 and 2005. As traffic has become heavier, the accidents and there severity have increased. The base year traffic (2010) along the project corridor is 11,250 VPD. By 2030, the ADT is projected to be 22,450 VPD. With no improvements the corridor will operate at LOS "F".

The proposed project will widen Hatcher Point Road to a five lane urban section with a two-way center turn lane, curb and gutter and sidewalk. Dual left turn lanes will be added on eastbound Memorial Drive/SR 4/US 1/US 23 onto Hatcher Point Road and a right turn lane will be added from eastbound King Avenue/SR 520/US 82 onto Hatcher Point Road. 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)	\$ 1,989,000	\$ 7,014,405	L200	LR
Right-of-way & Utilities*	Local	Local	Local	Local

*Ware County signed PMA on 4-19-06 for PE and utilities; right-of-way and construction to be done by future agreements.

P.I. No. 0007664, Ware County

Page 2

September 10, 2008

I recommend this project concept be approved.

GRS: JDQ

Attachment

CONCUR

[Handwritten signature] for Director

Director of Preconstruction

APPROVED

[Handwritten signature: Gerald M. Ross]

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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of District Five Design

PROJECT CONCEPT REPORT

Project Number: CSSTP-0007-00(664)

County: Ware

P. I. Number: 0007664

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 7-29-08



Project Manager

DATE 08-04-08



District 5 Preconstruction 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 8/22/08

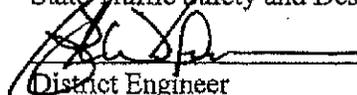


State Environment/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 8-4-08

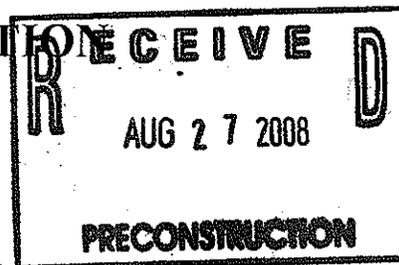


District Engineer

DATE _____

Project Review Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0007664

OFFICE: Environment/Location

DATE: August 20, 2008

FROM: 
Glenn Bowman, P.E., State Environmental/Location Engineer

TO: Genetha-Rice Singleton, Assistant Director of Preconstruction

SUBJECT: **PROJECT CONCEPT REPORT**
CSSTP-0007-(664) / Ware County
Widening of Hatcher Point Road / CR 392

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

1. Page 5 – To date, it does not look like enough special studies have been completed to determine if there is any Section 4F involvement. The concept report states that we have no environmental concerns.
2. Since this is an existing two-lane facility that is proposed to be widened to a five-lane facility, FHWA has not allowed too many of these type projects to be CE's in the past. We anticipate an EA will be required and up to an additional eighteen (18) months may be needed to complete the Environmental Approval Process.
3. This Office would suggest that a PIOH be held for this project since it is a widening project. Based on past experience, we believe FHWA will want to know that we afforded the public an opportunity to comment (and more than just a stakeholder's meeting).
4. According to the Kickoff Meeting Minutes that are attached to the Concept Report, wetlands are located in the project area. If the wetlands are impacted, a 404 permit will be required. A survey for federally listed species must be completed; and if the listed species or their habitats are found within the area of potential effect, a Section 7 consultation will be required. If a 404 permit, or a Section 7 consultation, or both are required, then the Environmental schedule will be affected.

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

GB/lc

cc: Brian Summers
Jamie Simpson
Angela Alexander
Keith Golden
Glenn Durrence
Paul Liles

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of District Five Design
PROJECT CONCEPT REPORT
Project Number: CSSTP-0007-00(664)
County: Ware
P. I. Number: 0007664

Federal Route Number: None
State Route Number: None

Recommendation for approval:

DATE 7-29-08



Project Manager

DATE 08-04-08



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State Transportation Planning Administrator

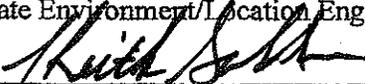
DATE _____

State Transportation Financial Management Administrator

DATE _____

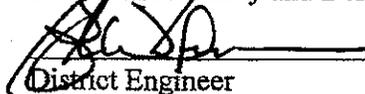
State Environment/Location Engineer

DATE 8-12-08



State Traffic Safety and Design Engineer

DATE 8-4-08



District Engineer

DATE _____

Project Review Engineer

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

Office of District Five Design

PROJECT CONCEPT REPORT

Project Number: CSSTP-0007-00(664)

County: Ware

P. I. Number: 0007664

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 7-29-08



Project Manager

DATE 08-04-08



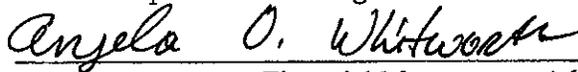
District 5 Preconstruction Engineer

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DATE _____

State Transportation Planning Administrator

DATE 8-12-08



Financial Management Administrator

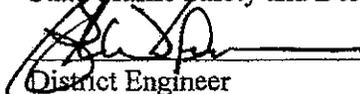
DATE _____

State Environment/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 8-4-08



District Engineer

DATE _____

Project Review Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of District Five Design

PROJECT CONCEPT REPORT

Project Number: CSSTP-0007-00(664)

County: Ware

P. I. Number: 0007664

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 7-29-08



Project Manager

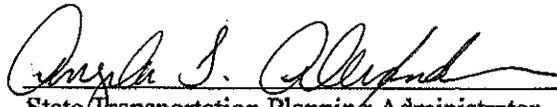
DATE 08-04-08



District 7 Preconstruction 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 8/12/08



State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

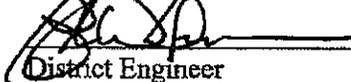
DATE _____

State Environment/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 8-4-08



District Engineer

DATE _____

Project Review Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of District Five Design

PROJECT CONCEPT REPORT

Project Number: CSSTP-0007-00(664)

County: Ware

P. I. Number: 0007664

Federal Route Number: None

State Route Number: None

Recommendation for approval:

DATE 7-29-08

DATE 08-04-08



Project Manager



District 5 Preconstruction 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 Environment/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 8-4-08



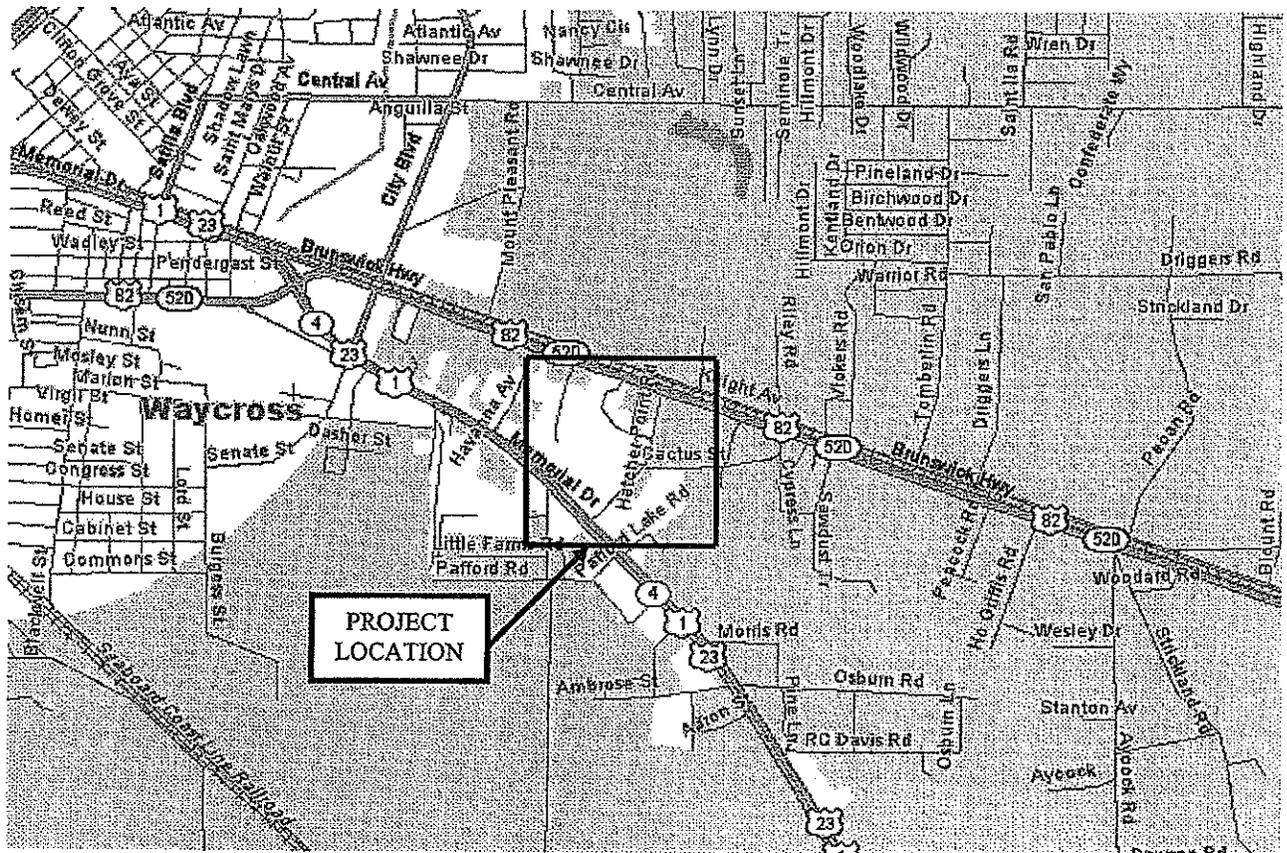
District Engineer

DATE _____

Project Review Engineer

Project Concept Report Page 2
Project Number: CSSTP-0007-00(664)
P. I. Number: 0007664
County: Ware

PROJECT LOCATION MAP



Project Concept Report Page 3
Project Number: CSSTP-0007-00(664)
P. I. Number: 0007664
County: Ware

Need and Purpose:

Hatcher Point Road is located in Waycross, Georgia. It runs in a north and south direction and intersects Memorial Drive/SR 4/US 1/US 23 on the south end and King Avenue/SR 520/US 82 on the north end. Hatcher Point Road, and its intersections at the north and south ends, host several high volume vehicular and pedestrian businesses. These include a Wal-Mart Supercenter, a fuel station, Lowe's Hardware and the Waycross Mall.

Traffic studies conducted at the intersections along Hatcher Point Road indicate that the projected future levels of traffic will result in an unacceptable 'Level Of Service' of "F" for all the intersections along Hatcher Point Road. Consequently, a need for roadway improvements has been generated.

Hatcher Point Road is currently a two lane urban collector. The proposed changes will incorporate widening Hatcher Point Road to a five lane section by adding a through lane in each direction and a separate center lane for left turn movements, constructing curb and gutter and sidewalk along both sides, providing dual left turn lanes from eastbound Memorial Drive/SR 4/US 1/US 23 onto Hatcher Point Road and adding a right turn lane from eastbound King Avenue/SR 520/US 82 onto Hatcher Point Road.

All proposed roadway enhancements will adequately improve the 'Level of Service' along Hatcher Point Road and facilitate the ease of movement of vehicular and pedestrian traffic.

Description of the proposed project: The proposed project will widen Hatcher Point Road from the existing two-lane section to a five-lane urban section with a two-way-center-turn-lane, curb and gutter and sidewalk. Also, dual-left-turn lanes will be added on eastbound Memorial Drive/SR 4/US 1/US 23 onto Northbound Hatcher Point Road and a right turn lane from eastbound King Avenue/SR 52/US 82 onto Hatcher Point Road.

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

PDP Classification: Major _____ Minor

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

Functional Classification: Urban Collector Street

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

State Route Number(s): N/A

Traffic (AADT):

Current Year (2010): 11,250

Design Year (2030): 22,450

Existing Design Features:

- Typical Section: Hatcher Point Road has an existing rural section with 2-12 ft. travel lanes and a 4' grass shoulder.

Project Concept Report Page 4
 Project Number: CSSTP-0007-00(664)
 P. I. Number: 0007664
 County: Ware

- Posted speed: 35 mph Minimum radius for curve: 685 feet
- Maximum super-elevation rate for curve: 0.04 ft/ft
- Maximum grade: 3% (Hatcher Point Road)
- Width of right-of-way: 60 ft.
- Major structures: None
- Major interchanges or intersections along the project:
 - Intersection of Hatcher Point Road and US 1/US 23/SR 4/Memorial Drive
 - Intersection of Hatcher Point Road and US 82/SR 520/Brunswick Highway
- Existing length of roadway segment: 0.4 miles

Proposed Design Features:

- Urban Section containing 4 – 12 ft. lanes with a 14 ft. center turn lane and 16' shoulders consisting of 30" curb & gutter, 6' grassed strip and 5' sidewalks
- Proposed Design Speed Mainline: 35 mph
- Proposed Maximum grade Mainline 3 % Maximum grade allowable: 10%
- Proposed Maximum grade Side Street 3 % Maximum grade allowable: 10%
- Proposed Maximum grade driveway 11 %
- Proposed Maximum degree of curve 4°46'12" Maximum degree allowable: 15°26'34"
- Right-of-Way
 - Width 95'-105'
 - Easements: Temporary (), Permanent (), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (), Other ().
 - Number of parcels: 12 Number of displacements:
 - ♦ Business: 0
 - ♦ Residences: 0
 - ♦ Mobile homes: 0
 - ♦ Other: 0
- Structures:
 - Bridges: None
 - Retaining walls: Three gravity walls to limit impacts to parking facilities
- Major intersections and interchanges:
 - Intersection of Hatcher Point Road and US 1/US 23/SR 4/Memorial Drive
 - Intersection of Hatcher Point Road and US 82/SR 520/Brunswick Highway
- Traffic control during construction: Traffic will be maintained at all times through staged construction
- Design Exceptions to controlling criteria anticipated:

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

Project Concept Report Page 5
 Project Number: CSSTP-0007-00(664)
 P. I. Number: 0007664
 County: Ware

SPEED DESIGN:
 VERTICAL CLEARANCE:
 BRIDGE WIDTH:
 BRIDGE STRUCTURAL CAPACITY:

- Design Exceptions are expected for the horizontal alignment on the north end of the project where there are two curves that do not meet the design criteria for curve length of fifteen times the speed limit. Also, the tangent length between the curves does not meet the design criteria of fifteen times the speed limit. The curve and tangent lengths are sufficient to meet the design criteria for superelevation.
- Design Variances: No
- Environmental concerns: None
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes () No ()
 - ~~Categorical Exclusion~~ ENVIRONMENTAL ASSESSMENT IS ANTICIPATED..
- Utility involvements:
 - Telephone – BellSouth – (912) 283-8144
 - Water & Sewer – City of Waycross – (912) 287-2912
 - Power – GA Power – (478) 784-5003, (912) 267-4894
 - Gas – Atlanta Gas Light – (912) 239-6505
 - Cable – Waycross Cable – (912) 283-2332
- VE Study Required: Yes () No ()

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9/8/2008
POL EAS

Project responsibilities:

- Design: Wolverton & Associates Inc
- Right-of-Way Acquisition: Ware County
- Relocation of Utilities: Ware County
- Letting to contract: GDOT
- Supervision of construction: GDOT
- Providing material pits: Contractor
- Providing detours: Ware County

Coordination

- Kickoff Meeting: 10/06/07
- Initial Concept Team Meeting : 1/17/08
- Public involvement: Stakeholder's Meeting 1/17/08
- Final Concept Team Meeting: 5/08/08
- Other projects in the area: None

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: ~~12 Months~~ *18 months*
- Time to complete preliminary construction plans: 6 Months
- Time to complete right-of-way plans: 4 Months
- Time to complete final construction plans: 8 Months
- Time to complete to purchase right-of-way: 12 Months
- List other major items that will affect the project schedule: Railroad Coordination

9/8/2008

Project Concept Report Page 6
Project Number: CSSTP-0007-00(664)
P. I. Number: 0007664
County: Ware

Other alternates considered:

- Three Lane Section - A three lane section consisting of a through lane in each direction and a center turn lane was considered. This alternate was rejected because it did not provide an acceptable Level of Service for the design year.
- No Build - This alternate was rejected because traffic studies conducted at the intersections along Hatcher Point Road indicate that the projected future levels of traffic will result in an unacceptable 'Level Of Service' of "F" for all the intersections along Hatcher Point Road.

Attachments:

1. Cost Estimates:
 - a. Construction including E&C
 - b. Right-of-Way and
 - c. Utilities
2. Typical Sections
3. Minutes of Kickoff Meeting and Final Concept Meeting
4. Accident Data
5. Benefit Cost Analysis
6. Location and Design Notice

Estimate Report for file "HATCHER POINT RD"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	Lump Sum	140000.00	TRAFFIC CONTROL	140000.00
153-1300	1	EA	76058.26	FIELD ENGINEERS OFFICE TP 3	76058.26
210-0100	1	Lump Sum	72152.00	GRADING COMPLETE	72152.00
310-1101	7300	TN	21.47	GR AGGR BASE CRS, INCL MATL	156731.00
318-3000	170	TN	24.30	AGGR SURF CRS	4131.00
402-1812	2260	TN	69.08	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	156120.80
402-3121	2680	TN	63.63	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	170528.40
402-3130	1430	TN	65.38	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	93493.40
402-3190	1080	TN	63.78	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	68882.40
413-1000	1370	GL	1.93	BITUM TACK COAT	2644.10
441-0016	20	SY	40.18	DRIVEWAY CONCRETE, 6 IN TK	803.60
441-0018	230	SY	53.56	DRIVEWAY CONCRETE, 8 IN TK	12318.80
441-0104	2300	SY	34.98	CONC SIDEWALK, 4 IN	80454.00
441-0303	1	EA	2209.92	CONC SPILLWAY, TP 3	2209.92
441-0748	220	SY	52.33	CONCRETE MEDIAN, 6 IN	11512.60
441-4020	40	SY	43.25	CONC VALLEY GUTTER, 6 IN	1730.00
441-4030	210	SY	54.44	CONC VALLEY GUTTER, 8 IN	11432.40
441-5002	1700	LF	21.50	CONCRETE HEADER CURB, 6 IN, TP 2	36550.00
441-6222	4750	LF	19.41	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	92197.50
446-1002	3700	LF	2.89	PVMT REINF FABRIC STRIPS, TP2, INCL BITUM BINDER	10693.00
500-3201	40	CY	547.82	CLASS B CONCRETE, RETAINING WALL	21912.80
500-9999	52	CY	175.84	CLASS B CONC, BASE OR PVMT WIDENING	9143.68
550-1180	3142	LF	44.93	STORM DRAIN PIPE, 18 IN, H 1-10	141170.06
550-1240	160	LF	50.86	STORM DRAIN PIPE, 24 IN, H 1-10	8137.60
550-3318	3	EA	586.23	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	1758.69
550-4218	4	EA	661.52	FLARED END SECTION 18 IN, STORM DRAIN	2646.08
550-4224	2	EA	780.97	FLARED END SECTION 24 IN, STORM DRAIN	1561.94
603-2182	12	SY	54.61	STN DUMPED RIP RAP, TP 3, 24 IN	655.32
603-7000	12	SY	5.15	PLASTIC FILTER FABRIC	61.80
668-1100	16	EA	2840.49	CATCH BASIN, GP 1	45447.84
668-1200	3	EA	4059.02	CATCH BASIN, GP 2	12177.06
668-2100	6	EA	2979.83	DROP INLET, GP 1	17878.98
668-4300	4	EA	2581.75	STORM SEWER MANHOLE, TP 1	10327.00
Section Sub Total:					\$1,473,522.03

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	3	AC	1066.58	PERMANENT GRASSING	3199.74
700-7000	6	TN	60.18	AGRICULTURAL LIME	361.08
700-7010	8	GL	21.62	LIQUID LIME	172.96
700-8000	4	TN	295.93	FERTILIZER MIXED GRADE	1183.72
700-8100	200	LB	2.45	FERTILIZER NITROGEN CONTENT	490.00
716-2000	100	SY	1.20	EROSION CONTROL MATS, SLOPES	120.00
Section Sub Total:					\$5,527.50

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	2	AC	707.73	TEMPORARY GRASSING	1415.46
163-0240	60	TN	176.49	MULCH	10589.40
163-0503	1	EA	542.06	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	542.06
163-0530	3200	LF	4.30	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	13760.00
163-0550	20	EA	281.30	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	5626.00
165-0070	1600	LF	1.79	MAINTENANCE OF BALED STRAW EROSION CHECK	2864.00
165-0087	1	EA	166.07	MAINTENANCE OF SILT CONTROL GATE, TP 3	166.07
165-0105	20	EA	94.99	MAINTENANCE OF INLET SEDIMENT TRAP	1899.80
167-1000	2	EA	1175.47	WATER QUALITY MONITORING AND SAMPLING	2350.94
167-1500	18	MO	1027.27	WATER QUALITY INSPECTIONS	18490.86
Section Sub Total:					\$57,704.59

Section SIGNING AND MARKING SIGNALS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	90	SF	14.67	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	1320.30
636-1032	16	SF	20.80	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING TP 6	332.80
636-2070	102	LF	7.99	GALV STEEL POSTS, TP 7	814.98
636-2080	56	LF	9.33	GALV STEEL POSTS, TP 8	522.48
647-1000	1	LS	125000.00	TRAFFIC SIGNAL INSTALLATION NO -	125000.00
647-1000	1	LS	125000.00	TRAFFIC SIGNAL INSTALLATION NO -	125000.00
652-0120	27	EA	72.61	PAVEMENT MARKING, ARROW, TP 2	1960.47
653-1704	357	LF	4.08	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	1456.56
653-1804	4143	LF	2.05	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	8493.15
653-2501	1	LM	1347.89	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	1347.89
653-2502	1	LM	1369.37	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	1369.37
653-4501	1	GLM	891.03	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	891.03
653-4502	1	GLM	797.11	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	797.11
653-6004	270	SY	2.83	THERMOPLASTIC TRAF STRIPING, WHITE	764.10
654-1001	50	EA	3.11	RAISED PVMT MARKERS TP 1	155.50
654-1003	130	EA	3.70	RAISED PVMT MARKERS TP 3	481.00
Section Sub Total:					\$270,706.74

Total Estimated Cost: \$1,807,460.86

Subtotal Construction Cost	\$1,807,460.86
Engineering & Inspections 5.0 %	\$90,373.04
Construction Contingency 5.0 %	\$90,373.04
Total Construction Cost	\$1,988,206.94

22
2 3 3 2

Right Of Way	\$170,000.00
ReImb. Utilities	\$0.00

Grand Total Project Cost	\$2,158,206.94
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Preliminary Right of Way Cost Estimate

Howard P. Copeland
Right of Way Administrator
By: Wolverton & Associates

Date: June 11, 2008

Project: CSSTP-0007-00(664) Ware County

Existing/Required R/W: 60 Feet/94 Feet

Project Termini : US 1/US 23/SR 4 to US 82/SR 520

Project Description: Widening of Hatcher Point Road from a two-lane section to a five-lane section

P.I. Number: 0007664

No. Parcels: 12

Land: Commercial R/W - 1.87 acres @ \$28,000/acre	\$52,360
Temporary Slope Easement - 1.67 acres @ \$10,000/acre	\$16,700

Improvements : none 0

Relocation: Commercial (0)
Residential (0) 0

Damage : Proximity (0)
Cost to Cure (0) \$10,000

Net Cost \$ 79,060

Net Cost		\$ 79,060
Scheduling Contingency	55 %	43,483
Adm/Court Cost	60 %	47,436
		<u>\$ 169,979</u>

Total Cost \$170,000

Prepared By: Kassie Boyette

Reviewed/Approved: Howard P. Copeland
R/W Administrator

Note: The Market Appreciation (40%) is not included in this Preliminary Cost Estimate
Note: It is the sole responsibility of the preparer.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

DATE May 5, 2008

FROM: ~~Karen Avery~~, District 5, District Utilities Engineer
TO: Dennis Odom, Dist. 5, District Design Engineer
ATTN: Rebecca Thigpen

SUBJECT: Utility Cost Estimate-CSSIP-0007-00(664) Ware, PI # 0007664,
Widening of Hatcher Point Road

Per a request received April 23, 2008, a review of the preliminary plans was made by this office and the following utilities were found to be located within the project limits:

Telephone	BellSouth	2315 feet X 10=	\$23,150
Water & Sewer	City of Waycross		
	Water line	2080 feet X 72=	\$149,760
	Fire Hydrant	4 each X 1500=	\$ 6,000
	Sewer line	2080 feet X 45=	\$ 93,600
	Manholes	3 each X 3000=	\$ 9,000
Power	GA Power (Dist)	4 each X 12,000=	\$ 48,000
	GA Power (Trans)	5 each X 20,000=	\$100,000
		4 each X 30,000=	\$120,000
	(Under built with distribution line)		
Gas	Atlanta Gas Light	1500 feet X 7=	\$ 30,000
Cable	Waycross Cable	2315 feet X 20	\$ 16,205
	Total		\$595,715

The total estimated non-reimbursable relocation cost for this project is \$595,715

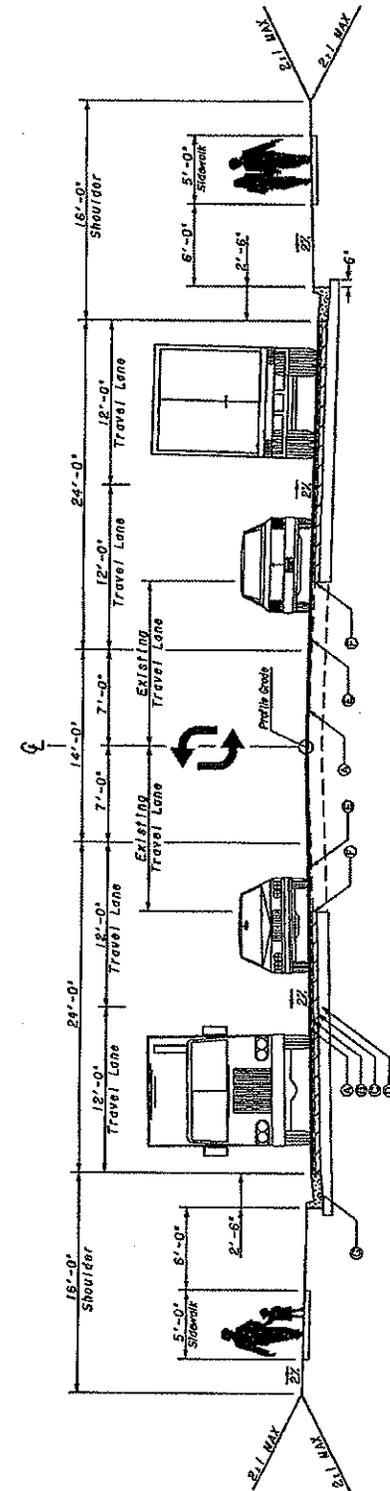
The total estimated relocation cost for this project is \$595,715.

If there are any questions please contact Paul Williams at pwilliams@dot.ga.gov or (912) 427-5779.

Copy:

Jamie Simpson, Office of Financial Management (via e-mail)
Harvey Kepler, Office of Environment/Location (via e-mail)
Brad Saxon, P. E., District 5, District Preconstruction Engineer (via e-mail)
Sal Pirzad, Utilities Preconstruction Engineer (via e-mail)
District Office files
Utility Office Files

PROJECT NO. 155077
 DATE: 1/20/07
 SHEET NO. 155077-0001-001(5/1)



TYPICAL SECTION #1
 HATCHER POINT ROAD

- PAVEMENT SECTION**
- ① RECYCLED ASPH. CONC. 16.5 IN SUPERPAVE - 65 #/ST
 - ② RECYCLED ASPH. CONC. 19 IN SUPERPAVE - 220 #/ST
 - ③ RECYCLED ASPH. CONC. 23 IN SUPERPAVE - 550 #/ST
 - ④ GRADED AGGREGATE BASE - 12"
 - ⑤ ASPH. CONC. LEVELING AS REQUIRED
 - ⑥ PAVEMENT REINFORCING FABRIC
 - ⑦ 4" X 30" CURB & GUTTER TYPE 2

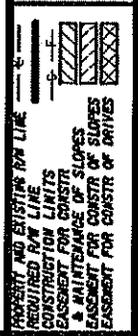
STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE OF DISTRICT 3
 TYPICAL SECTIONS

REVISION DATES	DESCRIPTION

Wolverton & Associates
 ENGINEERS, ARCHITECTS, PLANNERS
 1000 Peachtree Street, N.E., Suite 1000
 Atlanta, Georgia 30309
 Phone: 404.525.1234
 Fax: 404.525.1235
 www.wolverton.com

PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION R/W LIMITS
 EASEMENT FOR CONSTR.
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR. OF DRIVE
 EASEMENT FOR CONSTR. OF DRIVE

BOUNDARY LIMIT OF ACCESS
 END LIMIT OF ACCESS
 LIMIT OF ACCESS
 R/W AND LIMIT OF ACCESS





KICKOFF MEETING MINUTES

LOCATION: GDOT Area Office in Waycross

MEETING DATE: Tuesday, October 9, 2007

RE: Hatcher Point Road
CSSTP-0007-00(664) Ware County
P.I. No. 0007664

ATTENDEES: Frank Baugh, City of Waycross
Wayne Kilmark, Ware County
Paul Smith, Ware County
J. Cory Knox, GDOT
Teresa Scott, GDOT
Rebecca Thigpen, GDOT
Speedy Boutwell - Wolverton and Associates, Inc.
Kerrie Boyette - Wolverton & Associates, Inc.

Kerrie Boyette began the meeting by showing the group two different conceptual layouts for the widening of Hatcher Point Road. The first layout showed a three-lane section which represents the minimum improvements that could be done to Hatcher Point Road. The second layout showed a five-lane section which is the ultimate roadway section that would meet the traffic demands of the design year, 2030. After a discussion of the potential property impacts, the group decided that the concept should move forward as a five-lane section.

The traffic study recommended and the displays showed that the Waycross Mall driveway be relocated to align with the Wal-Mart driveway, and a traffic signal should be installed at this location. The GDOT representatives stated that the proposed signal would be too close to the existing signal at SR 4/Memorial Drive. After a discussion, the group decided that the proposed signal would be removed, and the Waycross Mall driveway closest to the Wal-Mart driveway would be closed.

The group also discussed the proposed typical section which included curb and gutter and sidewalk. Wolverton & Associates had proposed a ten-foot shoulder, but the GDOT representatives said that a sixteen-foot shoulder would be required. Wolverton & Associates will revise the concept layout to show a sixteen-foot shoulder.

Teresa Scott stated that either a public information open house or a stakeholders meeting would be required for this project. She recommended that this be held after the concept layout has been approved and work has started on the preliminary plans. The representatives from Ware County would prefer to have a stakeholders meeting, but will go ahead and approach the businesses in the area to let them know that the project is coming.

Hatcher Point Rd Meeting Minutes

October 9, 2007

Page 2 of 2

Wolverton will revise the concept layout as described above, and at that point work to complete the concept report and concept layout. At this point, the concept team meeting may be scheduled.



FINAL CONCEPT TEAM MEETING MINUTES

LOCATION: GDOT Waycross Area Office

MEETING DATE: Thursday, May 8, 2008

RE: Hatcher Point Road
CSSTP-0007-00(664) Ware County
P.I. No. 0007664

ATTENDEES: Billy Smith, GDOT
Mack Cravey, GDOT
Cory Knox, GDOT
Dusty Mercer, GDOT
Paul Williams, GDOT
Tom Crosby, City of Waycross
Frank Baugh, City of Waycross
Brian Scarbrough, GDOT
Teresa Scott, GDOT
Rebecca Thigpen, GDOT
Steven Gaines, Wolverton and Associates, Inc.

Steven Gaines called the meeting to order and had all the attendees introduce themselves. He discussed the Project History, including the Initial Concept Meeting and Stakeholders' Meeting held on January 17, 2008.

The typical section shown on the layout is a five-lane section with 16' urban shoulders and sidewalk on both sides of the road. Because the projected ADT of 11,250 for the build year (2010) is less than 18,000, and the ADT of 22,450 for the design year (2030) is less than 24,000, a five lane section is dictated per the GDOT Design Manual. The desirable shoulder width of 16' satisfies the clear zone requirements for the 35 MPH design speed.

The current drainage patterns for the corridor will be retained with a combination of both an open and closed drainage system.

The environmental screening indicated possible UST sites at the Murphy Oil Fuel station at the southeast corner of Hatcher Point Road, and the T.G. Crosby parcel at the northwest corner of Hatcher Point Road. The screening also indicated potential wetlands located alongside US 82/ SR520 starting at

A discussion was held regarding weaving conflicts created by left turns out of the main Wal-Mart driveway. It was recommended that this driveway be reconfigured to prohibit left turns out of Wal-Mart, since customers already have access to US 1 through other entrances.

Hatcher Point Rd Concept Team Meeting Minutes

May 8, 2008

Page 2 of 2

The following Comments were then solicited from local government representatives and GDOT offices:

1. Traffic Operations - The lane shift across US 82/SR 520 be limited to 6 feet
2. Design - Flexible Posts\Bollards should be located as close to the mall entrance as possible
3. Utilities - The utility cost estimate was based on a field review of existing utilities.
4. City of Waycross - The Wal-Mart full access drive on Hatcher Point Road should be restricted to prohibit left turns out of the Wal-Mart to avoid weaving.
5. Planning - A stakeholders's meeting may be conducted instead of a PIOH.

Action Items:

Wolverton & Associates

1. Submit R\W Cost Estimate for approval
2. Revise Construction Cost Estimate
3. Revise Wal-Mart Drive configuration on concept layout

GDOT District Utility Office

1. Resubmit Utility Cost Estimate with approval signatures

City of Waycross

1. Discuss access restrictions (no left out) with Wal-Mart
2. Provide right-of-way unit costs to Wolverton & Associates

Data	Year			Grand Total
	2003	2004	2005	
Count of Accident No	10	19	7	36
Count of Injuries	4	7	2	13
Count of Fatalities				

	Count Station 1		
	2003	2004	2005
Accident per 100 million miles traveled	1096	1923	688
Injuries per 100 million miles traveled	438	708	197
Fatalities per 100 million miles traveled	0	0	0

AADT 6096 6604 6800

MP to 0
 MP to 0.41
 Length 0.41 miles

Section	Type	2003		2004		2005	
		Statewide	Hatcher Point Rd	Statewide	Hatcher Point Rd	Statewide	Hatcher Point Rd
Hatcher Point Road Ware County	Collision	338	1096	46	1923	613	688
	Injuries	155	438	15	708	128	197
	Fatalities	10	0	17	0	13	0

Collector, Urban

Updated--Ready to use

- An addition of left turn lane to the eastbound approach at SR 4/US 23/US 1 providing dual left turn lanes with 400-foot storage length.
- An addition of an eastbound right turn lane and a northbound left turn lane at the King Avenue/SR 520 intersection.
- An addition of a through lane for the northbound and southbound traffic at Cactus Street and Canal Street.

Additional changes included in each of the alternatives are listed below.

- **Alternative #1:**
 - Construct a roundabout at the Waycross Mall/Wal-Mart intersection.
 - The percentage of trucks on this corridor would require a roundabout with a large radius. With the current layout, there would not be enough right-away to accommodate a roundabout with a large enough radius. Therefore this alternative was dismissed.
- **Alternative #2:**
 - Stop control for the side streets at the intersection Waycross Mall/Wal-Mart intersection.
 - Realign the Waycross Mall Driveway so that it is aligned with the Wal-Mart. Add a left turn lane with a 150-foot storage to the eastbound approach and for the westbound movement add a shared through/right lane with a 70-foot storage length and a channelized lane for the right turn movements at the intersection. Add a left turn lane for the northbound and southbound movements. Maintain a northbound right turn lane into the Wal-Mart Driveway.
 - The intersection operated at LOS F and had large delays during the PM peak periods in both the Build and Design Years. The results are presented below in Table 3.

Table 3 – Capacity Analysis Results, Build – Alternative #2

Intersection	Control	2010				2030			
		AM Peak		PM Peak		AM Peak		PM Peak	
		EB	WB	EB	WB	EB	WB	EB	WB
Hatcher Point Road & SR 4/US 23/US 1	Signal	C (21.7)		C (33.4)		C (28.5)		F (99.4)	
Hatcher Point Road & Waycross Mall/Wal-Mart	TWSC	B (12.8)	B (12.0)	F (68.4)	F (69.8)	C (23.2)	C (20.4)	F (*)	F (*)
Hatcher Point Road & Cactus Street	TWSC	B (11.7)	B (11.5)	C (15.4)	C (15.6)	B (14.5)	B (14.0)	E (37.6)	D (30.0)
Hatcher Point Road & Canal Street	TWSC	A (9.5)	--	B (13.5)	--	B (10.8)	--	E (35.1)	--
Hatcher Point Road & King Avenue/SR 520	Signal	B (13.1)		B (17.1)		B (16.2)		E (66.8)	

- **Alternative #3:**
 - Same as Alternative #2 except that it would operate with traffic signal control.
 - Since many of the side street volumes are minimal, a high level of delay may be experienced as traffic flow increases on the mainline. Warrant analysis was performed to dictate the need for signalization at the Waycross Mall/Wal-Mart intersection which would be most drastically affected by the increase of traffic volumes. The details of the warrant analysis are shown later in this report. The analysis resulted in the recommendation of a traffic signal at the Wal-Mart Driveway intersection. The delays especially during the PM peak periods were decreased and the LOS was improved. This signal would have to be

**Benefit Cost Analysis Work Sheet
CONGESTION Projects**

PM Peak

*WARE COUNTY
Hatcher Point Road*

Congestion Benefit = Tb + CMb + Fb

Person Time Savings Benefit (Tb)

*Db (hrs)	0.0315615
ADT	20,105.00
Tb (\$s)	\$21,812,418.89

Commercial or Truck Time Savings Benefit (CMb)

Db (hrs)	0.031561457
% Truck Traffic	0.123
ADT	20,105.00
CMb	\$14,175,613.43

Fuel Savings Benefit (Fb)

ADT	20,105.00
Fb (\$s)	\$1,188,040.24

Total Congestion Benefit	\$37,176,072.56
Total Project Cost	\$2,425,000.00
B/C Ratio	15.33

NOTICE OF LOCATION AND DESIGN APPROVAL

CSSSTP-0007-00(664), Ware County
P. I. 0007664

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

The date of location approval is SEPTEMBER 18, 2008

The proposed project will widen Hatcher Point Road from the existing two-lane section to a five-lane urban section with a two-way-center-turn-lane, curb and gutter and sidewalk. Also, dual-left-turn lanes will be added on eastbound Memorial Drive/SR 4/US 1/US 23 onto Northbound Hatcher Point Road and a right turn lane from eastbound King Avenue/SR 52/US 82 onto Hatcher Point Road.

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

*Brian Scarbrough, Assistant Area Engineer
Georgia Department of Transportation
Email: Brian.Scarbrough@dot.ga.gov
104 North Nichols Street
Waycross, Ga. 31502
Phone: (912)-285-6009*

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

*Bradford W. Saxon, District Preconstruction Engineer
Georgia Department of Transportation
Email: Bradford.Saxon@dot.ga.gov
204 North Highway 301
Jesup, Georgia 31546
Phone: (912) 427-5715*

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