

D.O.T. 66

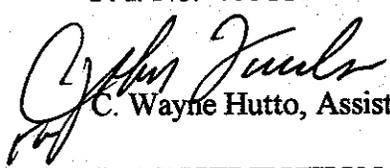
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-9420(2) Douglas County
P. I. No. 753110

OFFICE Preconstruction

DATE October 19, 2001

FROM  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:

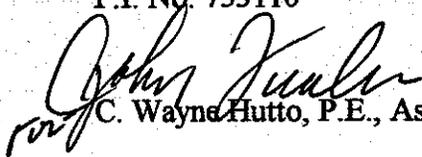
Tom Turner
David Mulling
Harvey Keepler
Jerry Hobbs
Herman Griffin
Michael Henry
Phillip Allen
Marta Rosen
Paul Liles
Jimmy Chambers
Stephen Henry
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-9420(2) Douglas County **OFFICE** Preconstruction
P.I. No. 753110

DATE October 4, 2001

FROM  C. Wayne Hutto, P.E., Assistant Director of Preconstruction

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

SUBJECT PROJECT CONCEPT REPORT

This project is the intersection improvements on Chapel Hill Road at West chapel Hill Road in Douglas County. Both Chapel Hill Road and West Chapel Hill Road are rural highway sections with 22' asphaltic concrete. The posted speed limits are 45 MPH on Chapel Hill Road and 35 MPH on West Chapel Hill Road. This project will provide increased capacity and vehicular movements when proceeding northerly along Chapel Hill Road by providing a separate left turn bay for movements onto West Chapel Hill Road and onto Chapel Hill High School's two drives. This will allow school traffic, both autos and buses, safer movements through this congested area. Traffic estimates are as follows:

<u>Location</u>	<u>VPD-1999</u>	<u>VPD-2019</u>
Chapel Hill Road	3,400	5,100
West Chapel Hill Road	1,820	2,730

This project will provide a separate left turn bay for movements onto West Chapel Hill Road and to Chapel Hill High School. A separate right turn lane will be provided in the southerly direction from Chapel Hill Road onto West Chapel Hill Road. A design exception is required for the horizontal alignment on West chapel Hill Road where it intersects Chapel Hill Road. Traffic will be maintained during construction.

Environmental concerns include requiring a Categorical Exclusion be prepared; a public hearing is not required; time saving procedures are appropriate.

Frank L. Danchetz
Page 2

STP-9420(2) Douglas
October 4, 2001

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)	\$150,000	\$90,000	2001	01-12
Right-of-Way & Utilities*	Local	Local		

*Douglas County signed LGPA on 10-29-99 for PE, right-of-way, utilities, and 20% of construction costs.

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

CWH:JDQ/cj

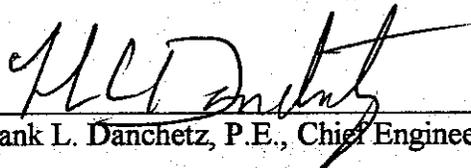
Attachment

CONCUR



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

APPROVE



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

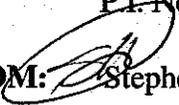
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: STP-9420 (2), Douglas County
Intersection Improvements - Chapel Hill Rd.
@ West Chapel Hill Rd.
P.I. No. 753110

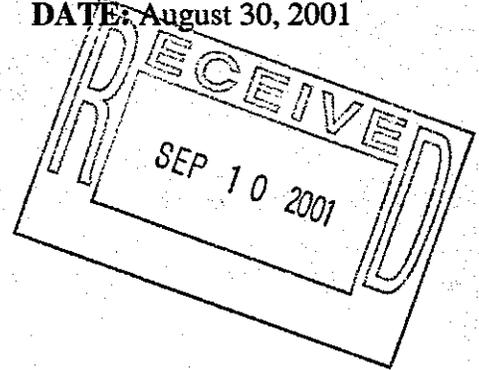
OFFICE: ChambleeMetro

DATE: August 30, 2001

FROM:  Stephen T. Henry, Metro District Engineer

TO: Wayne Hutto, Assistant Director of Preconstruction

SUBJECT: PROJECT CONCEPT REPORT

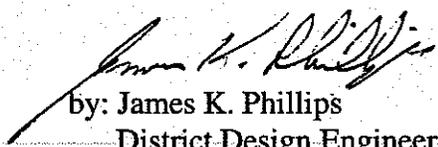


Attached is the original Concept Report for your further handling for approval in accordance with the Plan Development Process.

By copy of this letter, additional copies are being distributed to the list of names below for review and comment. Please return signed cover sheet and any comments to W. Hutto for further processing.

If you have any questions concerning this report, please contact Key Phillips of this office at (770) 986-1050.

STHJKP\rlm


by: James K. Phillips
District Design Engineer

Attachment

cc: Marta Rosen, w/attachment
Harvey Keeper, w/attachment
Marion Waters, w/attachment
Herman Griffin, w/attachment

~~ETA~~

DAVID MULLING - ENGINEERING SERVICES.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

District Seven

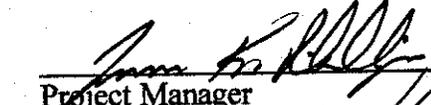
Project Number: STP-9420 (2)
County: Douglas
P. I. Number: 753110

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

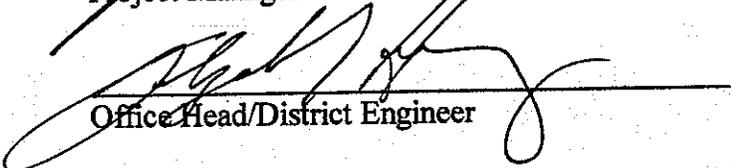
DESCRIPTION: Intersection Improvements to Chapel Hill Road (CR 812)
@ West Chapel Hill Road (CR 145)

Recommendation for approval:

DATE 9-5-01


Project Manager

DATE 9-5-01


Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

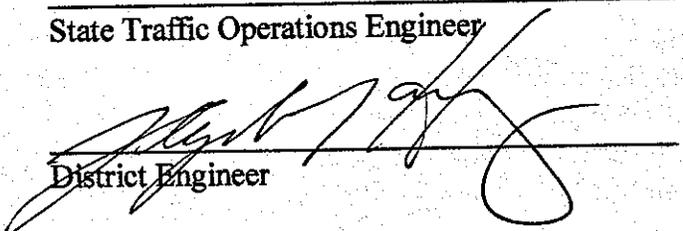
DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE 9-5-01


District Engineer

DATE _____

Project Review Engineer

EXISTING MAJOR STRUCTURES: There is an 18 inch CMP cross drain across the intersection of West Chapel Hill Road, and a 30 inch RCP across Chapel Hill Road approximately 800 feet North of the intersection.

EXISTING RIGHT OF WAY WIDTH: Chapel Hill Road100 FT
 West Chapel Hill Road50 FT

PROJECT NEED AND PURPOSE: This project will provide increased capacity and vehicular movements when proceeding northerly along Chapel Hill Road by providing a separate left turn bay for movements onto West Chapel Hill Road and into Chapel Hill High School's two drives. This will allow school bus traffic, both autos and buses, as well as other motoring public safer movements through this congested area. There is an existing 30" curb and gutter section with a 4' sidewalk in front of Chapel Hill High School over to the adjacent Elementary school on West Chapel Hill Road. A separate right turn movement will be provided from Chapel Hill Road onto West Chapel Hill Road.

PROPOSED DESIGN

PROPOSED TYPICAL SECTION: Along Chapel Hill Road (proceeding from South to North), the existing pavement will be widened approximately 11 feet providing an additional travel lane on the right side and a four foot paved shoulder; on the left side the pavement will also be widened approximately 7 feet to provide the remainder of the required width for the travel lane southbound. Proceeding northerly through the intersection this same 11 foot widening will continue for approximately 250 lf to the intersection of Chapel Hill Road, picking up on the north side of this intersection and continuing approximately 700 LF to the end of the project. Existing curb and gutter and sidewalk are on the western side of Chapel Hill Road. Thedesign speed limits are 45 MPH on Chapel Hill Road and 35 MPH on West Chapel Hill Road.

PROPOSED RIGHT-OF-WAY: Additional right-of-way will be required at the intersection. Two parcels are anticipated.

TRAFFIC CONTROL DURING CONTRUCTION: Vehicular and pedestrian traffic will be maintained at all times through the construction site.

PROPOSED STRUCTURES:

DESIGN STANDARDS:

1. AASHTO Guidelines
2. "Standard Specifications for Roadway and Bridge Construction: Department of Transportation, State of Georgia, Latest Edition, and Supplements thereto
3. "Manual of Uniform Traffic Control Devices," United States Department of Transportation
4. "Manual for Erosion and Sedimentation Control in Georgia, State Soil and Water Conservation Commission, Current Edition

DESIGN EXCEPTIONS TO

CONTROLLING CRITERIA	UNDETERMINED	YES	NO
HORIZONTAL ALIGNMENT:	()	(X)	()
ROADWAY WIDTH:	()	()	(X)
SHOULDER WIDTH:	()	()	(X)
VERTICAL GRADES:	()	()	(X)
CROSS SLOPES:	()	()	(X)
STOPPING SIGHT DISTANCE:	()	()	(X)
SUPER-ELEVATION RATES:	()	()	(X)

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 REQUESTED- None

NUMBER OF RIGHT OF WAY PARCELS: (Include easement only parcels) TWO

DISPLACEMENTS: NONE

COORDINATION AND SCHEDULING

CONCEPT TEAM MEETING DATE (if required): June 26, 2001

CONFORMS TO TIP/STIP? YES XX NO _____

MEETS LOGICAL TERMINI REQUIREMENTS? YES XX NO _____

LEVEL OF ENVIROMENTAL ANALYSIS:
CATEGORICAL EXCLUSION X EA _____

PUBLIC INVOLVEMENT (if required): YES XX NO _____

PERMITS REQUIRED (COE 404, WATER QUALITY, TVA) LIST: N/A

TIME SAVING PROCEDURES APPROPRIATE: YES XX NO _____

SCHEDULING CONSIDERATIONS

TIME TO COMPLETE ENVIROMENTAL: 1 MONTHS

TIME TO COMPLETE RIGHT OF WAY PLANS (if required): 1 MONTHS

TIME TO COMPLETE 404 PERMIT: N/A MONTHS

TIME TO COMPLETE CONSTRUCTION PLANS: 1 MONTHS

LOCAL GOVERNMENT COMMITMENTS:
P.E. / ROW / UTIL & 20 % Const Cost

OTHER PROJECTS IN THE AREA: None

PROBABLE LOCATION OF USTS: None

PROBABLE LOCATION OF HAZARDOUS WASTE: None

OTHER ALTERNATES CONSIDERED: None

COMMENTS: DESIGN EXCEPTION: The horizontal alignment (radius) on West Chapel Hill Rd. where it intersects Chapel Hill Rd. is below AASTHO Standards. It is 100 ft. and should be 397 ft. for 35 mph speed.

ATTACHMENTS:

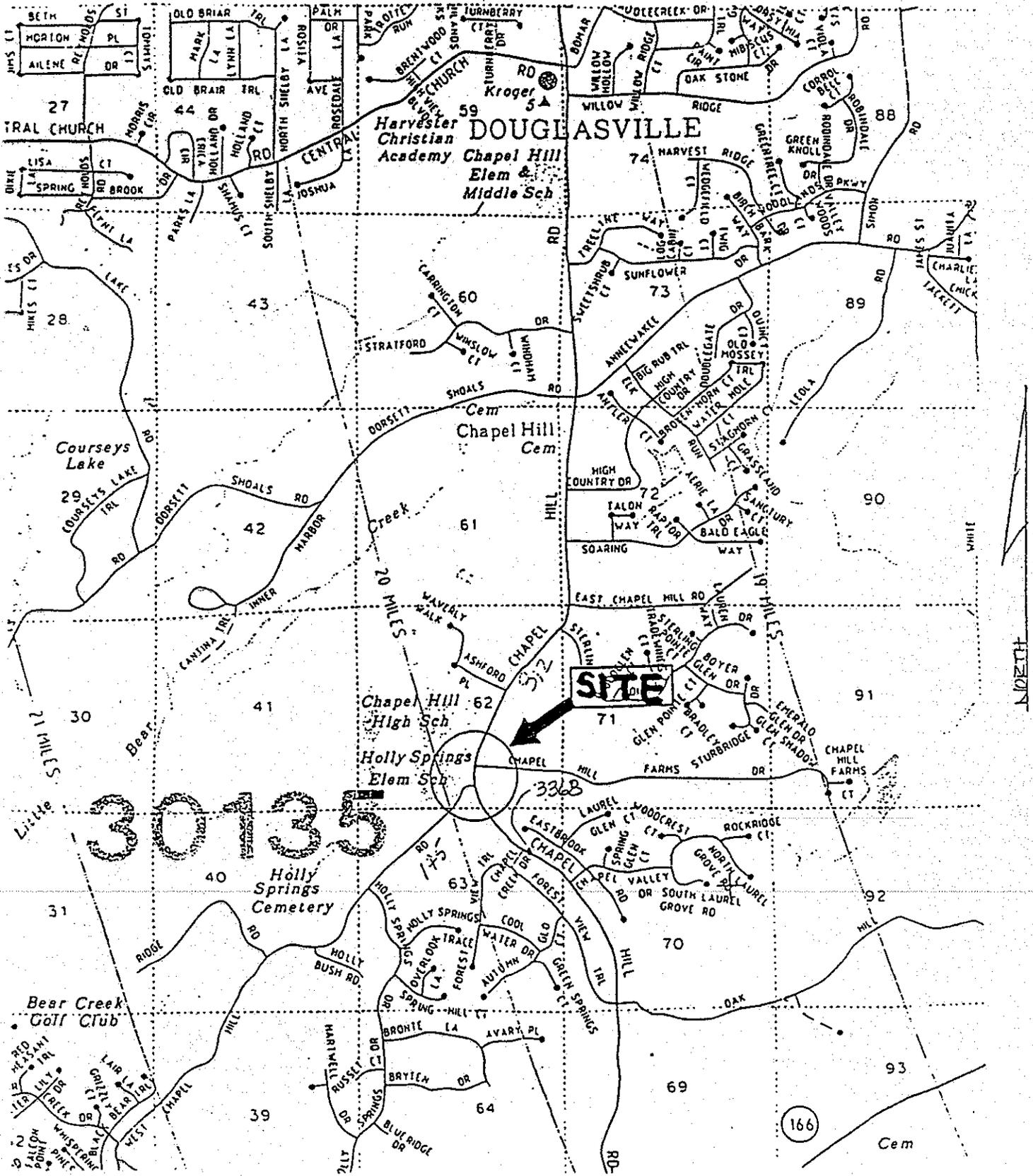
Project Cost Estimate
Location Sketch
Typical Section
Notice of Location and Design Approval

**DETAILED ESTIMATE
STP 9420 (2)**

Project No.: STP 9420 (2)
P.I. No.: 753110

Item No.	Description	Unit	Quantity	Unit Price	Total
150-1000	Traffic Control - STP 9420 (2)	Lump	Lump	\$ 16,000.00	\$ 16,000.00
163-0200	Temporary Grassing	SY	1500	\$ 0.50	\$ 750.00
163-0210	Temporary Mulch	SY	4250	\$ 1.50	\$ 6,375.00
165-0010	Maint. of temp. silt fence Type "A"	LF	450	\$ 2.00	\$ 900.00
165-0030	Maint. of temp. silt fence Type "C"	LF	275	\$ 3.00	\$ 825.00
171-0010	Temporary silt fence Type "A"	LF	900	\$ 2.00	\$ 1,800.00
171-0030	Temporary silt fence Type "C"	LF	550	\$ 3.00	\$ 1,650.00
207-0203	Found Backfill, Matl.. TP 2	CY	45	\$ 34.40	\$ 1,548.00
210-0100	Grading Complete - STP 9420 (2)	Lump	Lump	\$ 20,000.00	\$ 20,000.00
310-5080	GR Aggr. Base CRS. 8" Incl. Matis.	SY	2000	\$ 9.80	\$ 19,600.00
402-3121	Recycled asph. Concrete 25mm superpave, GP 1 or 2 including bitum Matl & H lime	TN	300	\$ 37.62	\$ 11,286.00
402-3130	Recycled asph. Concrete 12.5mm superpave, GP 1 or 2 including bitum Matl & H lime	TN	450	\$ 38.16	\$ 17,172.00
413-1000	Bitum Tack Coat	GAL	2500	\$ 0.99	\$ 2,475.00
436-0206	Mill Asphalt Concrete	SY	1300	\$ 0.68	\$ 884.00
550-1180	Storm Drain, 18 in, H 1-10	LF	115	\$ 25.25	\$ 2,903.75
550-4218	Flared end section, 18 in. Storm Drain	EA	2	\$ 356.12	\$ 712.24
550-1300	Storm Drain, 30 in, H 1-10	LF	165	\$ 45.00	\$ 7,425.00
550-4230	Flared end section, 30 in. Storm Drain	EA	2	\$ 600.00	\$ 1,200.00
610-6360	Reset highway sign	EA	2	\$ 50.00	\$ 100.00
610-6515	Remove highway signs, STD	EA	2	\$ 49.31	\$ 98.62
653-0120	Thermoplastic Pvmt marking, Arrow TP2	EA	11	\$ 32.00	\$ 352.00
653-1501	Thermoplastic Solid Traf. Stripe, 5", White	LF	1800	\$ 0.22	\$ 396.00
653-1502	Thermoplastic Solid Traf. Stripe, 5", Yellow	LF	2450	\$ 0.21	\$ 514.50
653-1704	Thermoplastic Solid Traf. Stripe, 24" White	LF	45	\$ 3.95	\$ 177.75
653-1804	Thermoplastic Solid Traf. Stripe, 8" White	LF	460	\$ 1.75	\$ 805.00
653-3501	Thermoplastic Skip Traf. Stripe, 5" White	GLF	245	\$ 0.12	\$ 29.40
653-6004	Thermoplastic Traf. Stripe, White	SY	300	\$ 2.14	\$ 642.00
653-6006	Thermoplastic Traf. Stripe, Yellow	SY	275	\$ 2.79	\$ 767.25
668-2100	DROP INLET, GP 1	EA	1	\$ 1,900.00	\$ 1,900.00
700-0200	Grassing - STP - 9420 (2)	Lump	Lump	\$ 5,600.00	\$ 5,600.00
713-1000	Excelsor Blankets, slopes	SY	1250	\$ 3.00	\$ 3,750.00
TOTAL.....					\$ 128,638.51
6% INFLATION (1YR).....					\$ 7,718.31
10% CONTINGENCY.....					\$ 12,863.85
TOTAL CONSTRUCTION COST.....					\$149,220.67

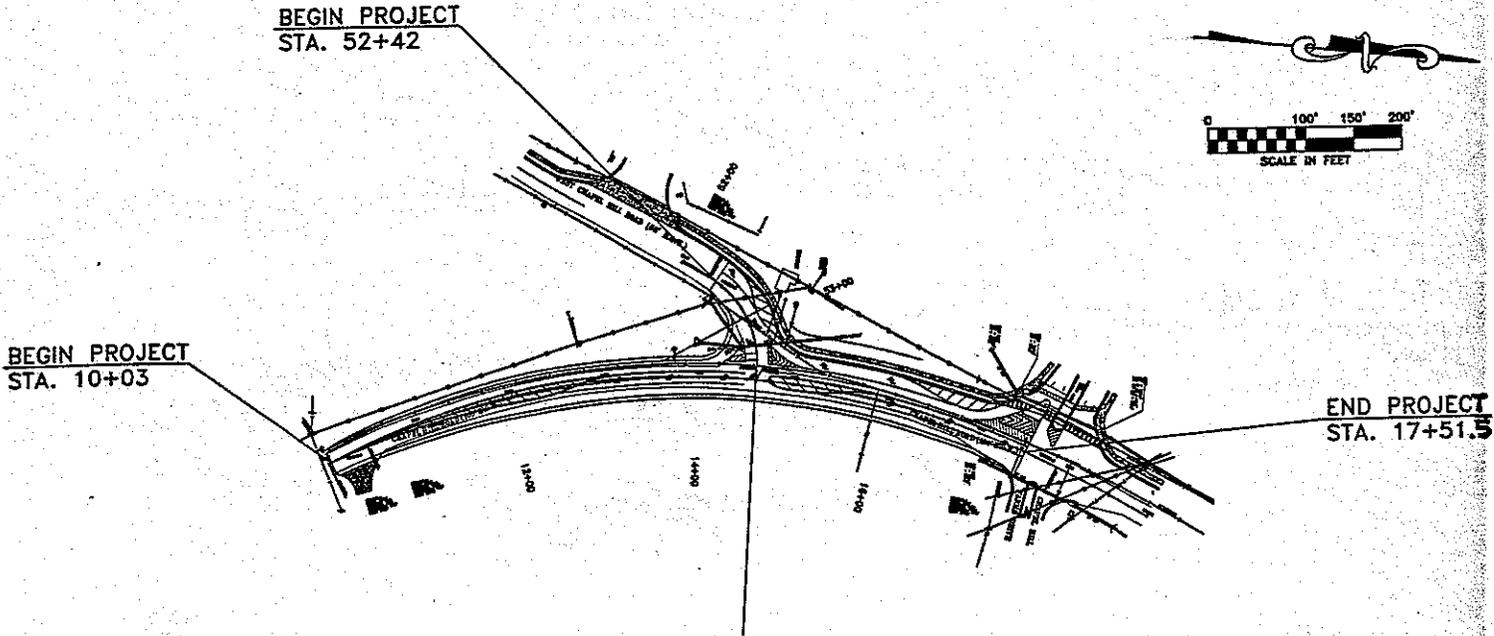
The above quantities are for information only. Douglas County assumes no responsibility for accuracy.

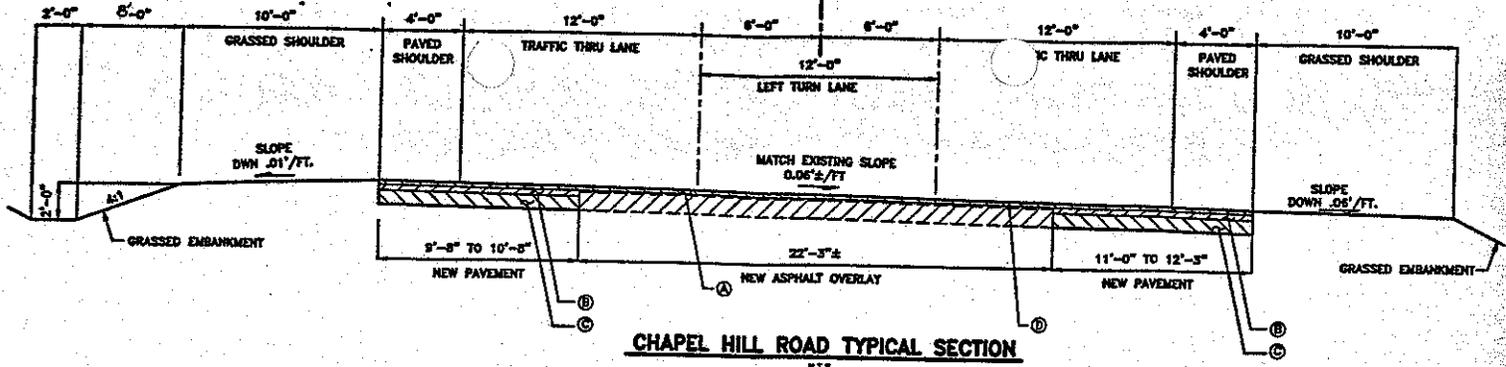


PROJECT STP 9420 (2) PI# 753110

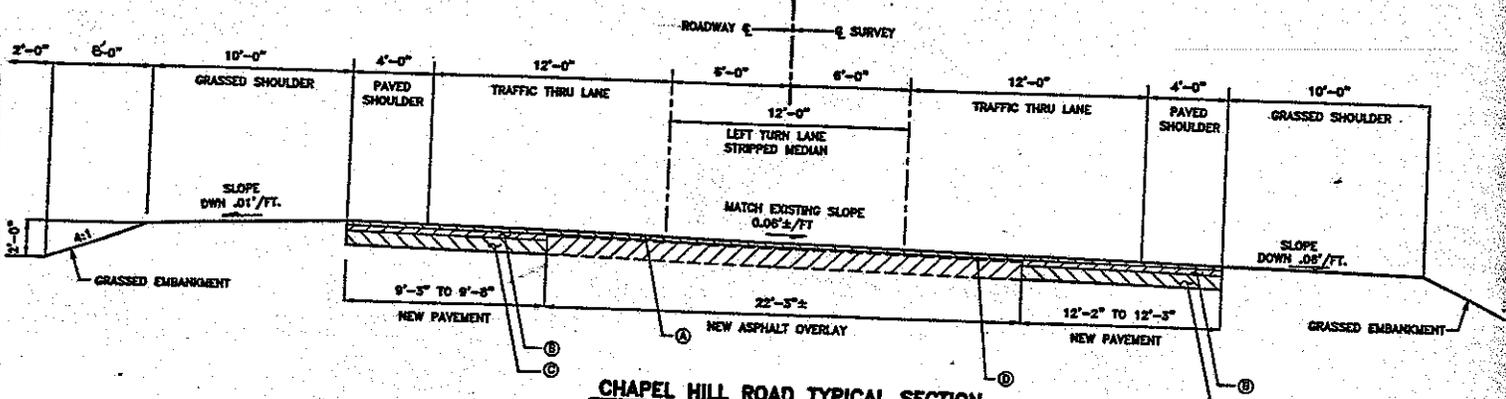
CHAPEL HILL (CR 812) & WEST CHAPEL HILL ROAD (CR 145) INTERSECTION IMPROVEMENT PROJECT

Project No.: STP-9420 (2)
P.I. No.: 753110

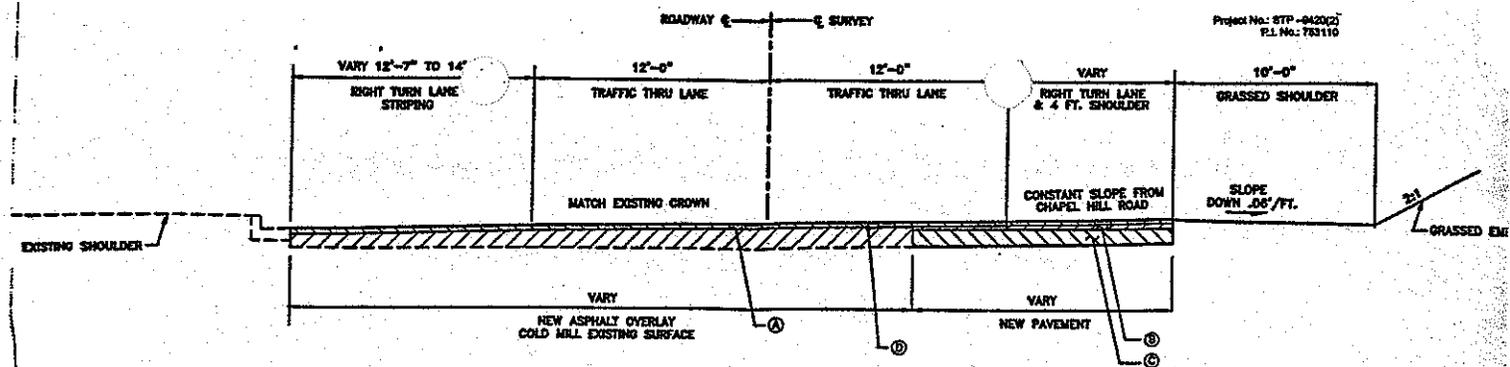




CHAPEL HILL ROAD TYPICAL SECTION
N.T.S.
 (STA. 13+09.8 TO 13+99.3)

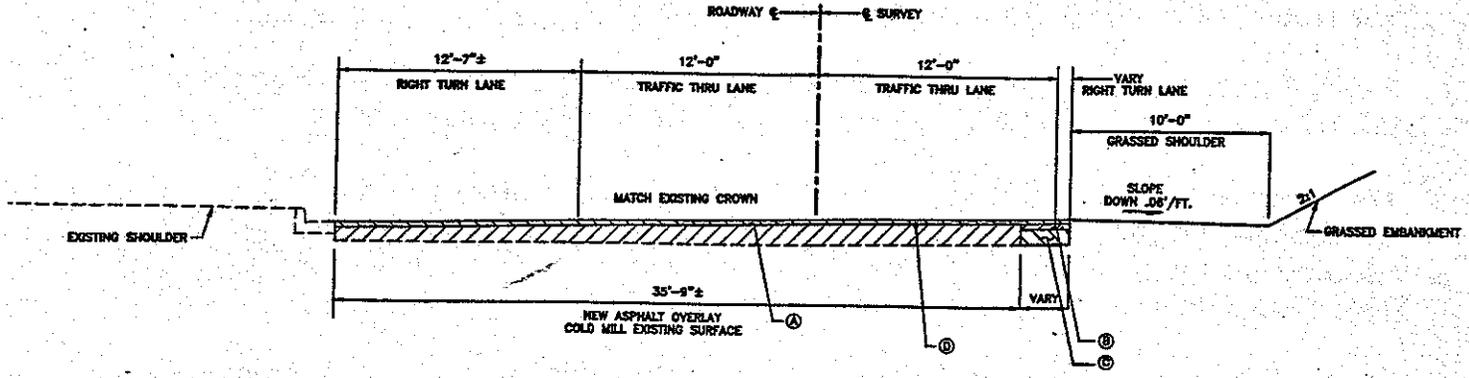


CHAPEL HILL ROAD TYPICAL SECTION
N.T.S.
 (STA. 12+23.6 TO 13+09.8)



WEST CHAPEL HILL ROAD TYPICAL SECTION

(STA. 52+50 TO 53+59.2)



WEST CHAPEL HILL ROAD TYPICAL SECTION

(STA. 52+42 TO 52+50)

NOTICE OF LOCATION AND DESIGN APPROVAL

**PROJECT NUMBER: STP-9420 (2), DOUGLAS
P.I. NUMBER: 753110**

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

The date of location and design approval is _____

Project Description includes intersection improvements to Chapel Hill Road @ West Chapel Hill Road located in Land Lots 62 & 63, District 1, Section 5 of Douglas County, Georgia.

This project will improve vehicular movement northerly along Chapel Hill Road by providing a separate left turn bay for movements onto West Chapel Hill Road and to Chapel Hill High School. A separate right turn movement will be provided in the southerly direction from Chapel Hill Road onto West Chapel Hill 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:

Kevin Vinson, Area Engineer
kevin.vinson@dot.state.ga.us
940 Virginia Avenue
Hapeville, GA 30354
404-559-6699

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:

Mike Malcom, Preconstruction Engineer
District Seven Preconstruction Office
mike.malcom@dot.state.ga.us
5025 New Peachtree Road
Chamblee, GA30341
770-986-1050

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

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

District Seven

Project Number: STP-9420 (2)

County: Douglas

P. I. Number: 753110

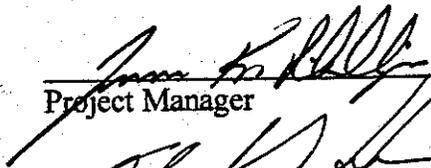
Federal Route Number: N/A

State Route Number: N/A

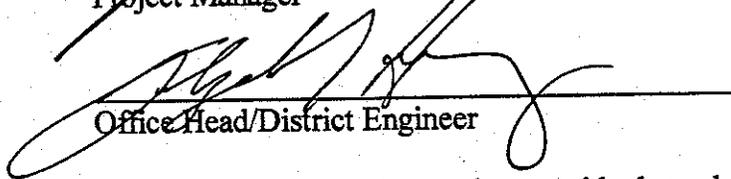
DESCRIPTION: Intersection Improvements to Chapel Hill Road (CR 812)
@ West Chapel Hill Road (CR 145)

Recommendation for approval:

DATE 9-5-01

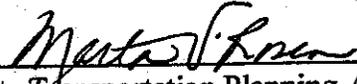

Project Manager

DATE 9-5-01


Office Head/District Engineer

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

DATE 9-10-01


State Transportation Planning Administrator

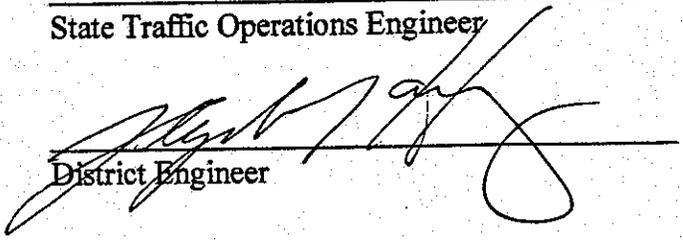
DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE 9-5-01


District Engineer

DATE _____

Project Review Engineer