

ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** STP-0317(2) Clarke County **OFFICE** Preconstruction  
P. I. No. 142205  
*CWHutto* **DATE** January 6, 2000  
**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  
David Studstill (ATTN: Harvey Keeper)  
Jerry Hobbs  
Herman Griffin  
Georgene Geary (ATTN: Michael Henry)  
Marion Waters  
Marta Rosen  
Paul Liles  
Don Mills  
Larry Dent



Wayne Shackelford  
Page 2

STP-0317(2) Clarke  
November 4, 1999

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)	\$798,000	\$715,000	LR	LR
Right-of-Way*	\$210,000	----		
Utilities*	\$ 5,000	----		

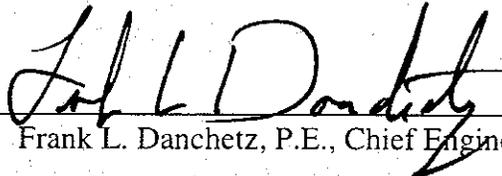
\*LGPA sent 5-9-99 requesting Athens-Clarke County be responsible for PE, right-of-way, utilities and 20% of construction costs.

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

TLT:JDQ/cj

Attachment

CONCUR

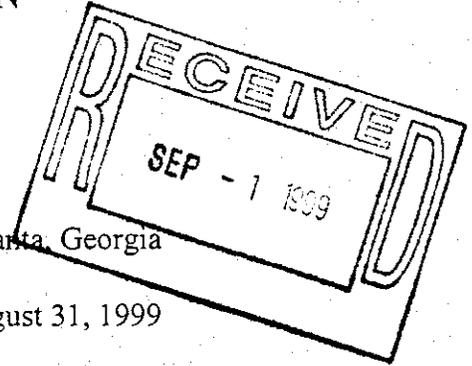
  
\_\_\_\_\_  
Frank L. Danchetz, P.E., Chief Engineer

APPROVE

  
\_\_\_\_\_  
Wayne Shackelford, Commissioner

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

-----  
INTERDEPARTMENTAL CORRESPONDENCE



**FILE:** STP-0317(2) Clarke  
P.I. Number 142205

**OFFICE:** Atlanta, Georgia

**DATE:** August 31, 1999

**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 30, 1999 by the letter from Hugh Tyner dated August 26, 1999, and have no comments.

The costs for the project are:

Construction	\$690,000
Inflation	\$ 35,000
E&C	\$ 73,000
Preliminary Engineering	\$ ?
Reimbursable Utilities	\$ 5,000
Right of Way	\$210,000

Costs for Preliminary Engineering, Reimbursable Utilities, Right of Way & 20% of Construction by LGPA.

DTM

c: Hugh Tyner

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT  
INTERSECTION IMPROVEMENTS  
WINTERVILLE ROAD @ INDIAN HILLS ROAD &  
SPRING VALLEY ROAD  
PROJECT NUMBER: STP-0317(02)  
P.I. NO. 142205  
CLARKE COUNTY

FEDERAL ROUTE NO:  
STATE ROUTE NO:  
GADOT P.I. NO: 142205

Date of Report: July 13, 1999

RECOMMENDATION FOR APPROVAL

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

DATE

State Transportation Planning Administrator

DATE

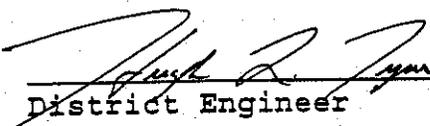
State Transportation Programming Engineer

DATE

State Environment/Location Engineer

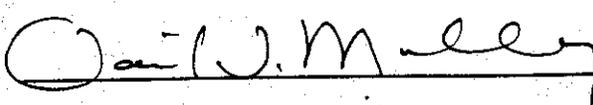
DATE

10/14/99

  
District Engineer

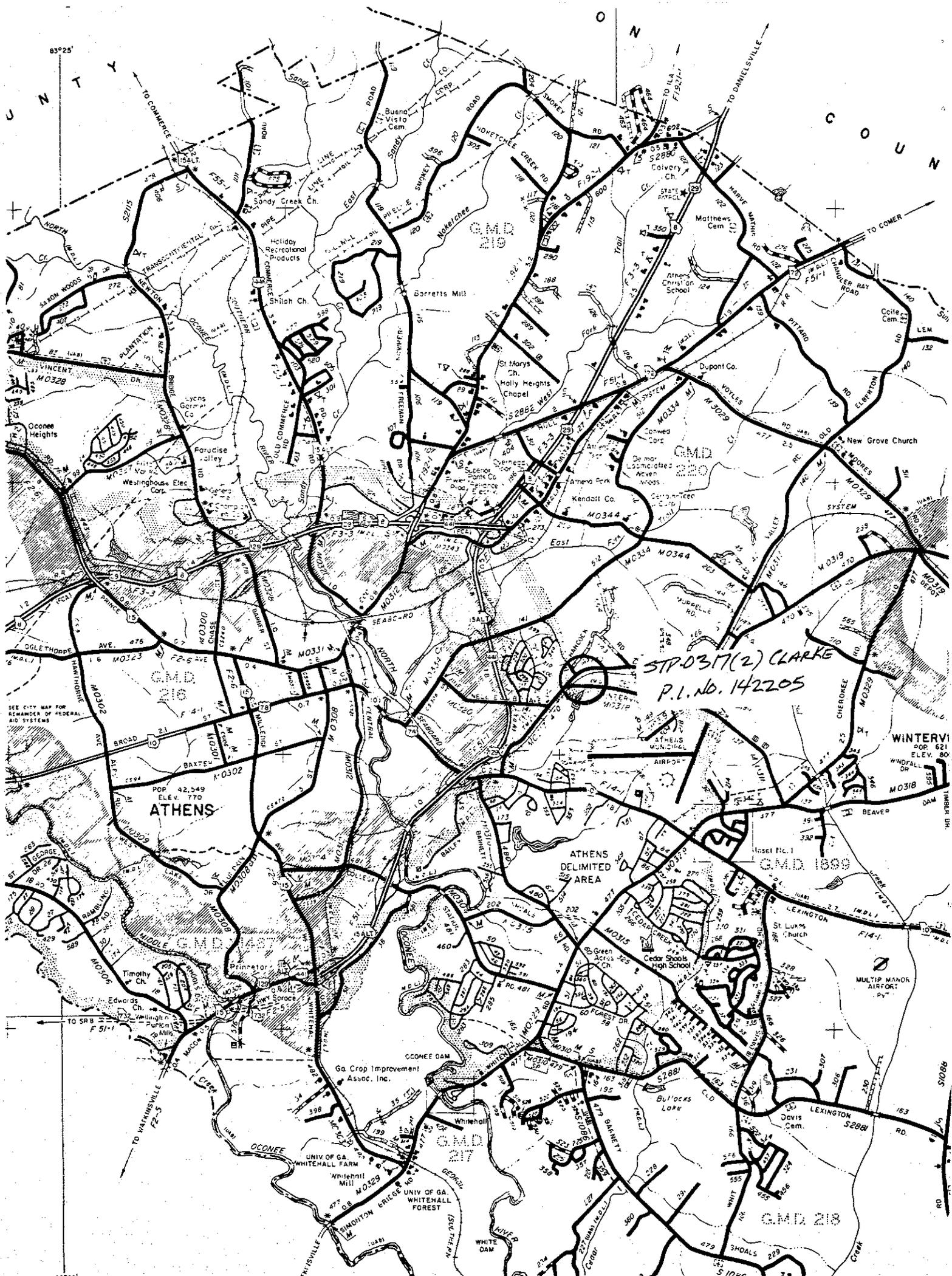
DATE

8/31/99

  
Project Review Engineer

DATE

State Traffic Operations Engineer



STP-0317(2) CLARKE  
P.L. No. 142205

ATHENS

ATHENS DELIMITED AREA

GMD 1899

GMD 217

GMD 218

SEE CITY MAP FOR  
REMARKS OF FEDERAL  
AID SYSTEMS

Ga. Crop Improvement  
Assoc. Inc.

UNIV. OF GA.  
WHITEHALL FARM

UNIV. OF GA.  
WHITEHALL FOREST

MULTIP. MANOR  
AIRPORT

WINTERVILLE  
POP. 621  
ELEV. 80'

83°25'

C O U N T Y

C O U N T Y

TO COMMERCE

TO ILLA F1921

TO DANIELSVILLE

TO COMER

TO WAKARUSAVILLE F2-5

TO SRB F 51-1

TO WAKARUSAVILLE F2-5

PROJECT NUMBER: 142205

**PROJECT LOCATION & DESCRIPTION**

The project is located at the intersection of Spring Valley Road and Indian Hills/Winterville Road in Athens, Clarke County. Spring Valley Road is a rural, two-lane local roadway providing access to mostly residential and industrial land uses. Winterville Road is an east-west two-lane local roadway which provides access to numerous industrial land uses and the Athens Municipal Airport. Indian Hills Road is a two-lane local roadway which provides access predominantly to residential communities.

The project consists of realigning Winterville Road to intersect Spring Valley Road at a 90 degree at the Indian Hills Road intersection. The poor vertical geometrics on Spring Valley east of Indian Hills Road will be improved. In addition, turn lanes will be added to each approach at the intersection

PROJECT LENGTH: 0.566 KM

**TRAFFIC**

CURRENT		PROJECTED	
YEAR	AADT	YEAR	AADT
1996	7816 (SP'G VAL)	2007	10500 (SP'G VAL)
	4950 (IND HILL)		6650 (IND HILL)
	6288 (W'VILLE)		8450 (W'VILLE)

PDP CLASSIFICATION	FUNCTIONAL CLASSIFICATION
MINOR	URBAN COLLECTOR

NON-CA ( )	CA ( )	EXEMPT (X)	N/A ( )
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**PROJECT NEED & PURPOSE**

The intersection of Spring Valley Road and Indian Hills/Winterville Road is heavily traveled and experiences a high volume of turning movements. In addition, the intersection is located in an industrial area and accommodates a significant amount of truck traffic. The Winterville Road approach to spring Valley Road is skewed at approximately a 45 degree angle creating a line of sight problem and making it difficult for motorist to turn to or from the east on Spring Valley Road. Spring Valley Road (just east of Indian Hills

**PROJECT NEED & PURPOSE**

speed of the roadway. At the intersection, the sight distance is insufficient for motorists turning left from Indian Hills onto Spring Valley Road.

The purpose of this project is to improve the safety and operating conditions at the intersection of Spring Valley Road and Indian Hills/Winterville Road by realigning Winterville Road with Indian Hills Road. The sight distance will be improved to the east and turn lanes will be added at the intersection to facilitate traffic flow.

**EXISTING ROADWAY**

TYPICAL SECTION: Rural two-lane roadways with 3.0 meter lanes + 1.0 meter earth shoulders.

R/W WIDTH

15.2m

POSTED SPEED

MIN. RADIUS OF CURVE

MAXIMUM GRADE

70 KM/HR

150 meters

5.6%

MAJOR STRUCTURES: None

**PROPOSED ROADWAY**

TYPICAL SECTION: Two 3.6 meter lane section with 3.6 meter left and right turn lanes + 2.4 meter earth shoulders.

DESIGN SPEED

MAX. RADIUS OF CURVE

MAX GRADE

70 KM/HR

ALLOWABLE: 195  
Meters

ALLOWABLE: 6.000%

PROPOSED: 230  
Meters

PROPOSED: 5.381%

MAJOR STRUCTURES: None

PROPOSED RIGHT OF WAY			
R/W WIDTH: 32 meters	DISPLACEMENTS		
NO CHANGE	RES: <u>  1  </u>	BUS: <u>  0  </u>	M.H.: <u>  0  </u>
TYPE OF ACCESS CONTROL: Permit controlled access			
NUMBER OF PARCELS: 12			

COORDINATION
CONCEPT TEAM MEETING DATE: None Scheduled
CONFORMS TO TIP/STIP: Yes
MEETS LOGICAL TERMINI REQUIREMENTS: Yes
P.A.R. MEETING:
LOCATION INSPECTION DATE: Not Yet Scheduled
PERMITS REQUIRED (4f, COE, 404, etc.): 404
LEVEL OF PUBLIC INVOLVEMENT: 2 public information meetings held; One additional meeting scheduled for May 24, 1999
TIME SAVING PROCEDURES APPROPRIATE: No
OTHER PROJECTS IN THE AREA: None

SCHEDULING CONSIDERATIONS
TIME TO COMPLETE ENVIRONMENTAL: CE completed
TIME TO COMPLETE PRELIMINARY RD/RW PLANS: Completed
TIME TO COMPLETE 404 PERMIT: Six (6) Weeks
TIME TO COMPLETE FINAL CONSTRUCTION PLANS: Completed
TIME TO BUY RIGHTS-OF-WAY: One (1) Month

**MISCELLANEOUS**

TRAFFIC CONTROL DURING CONSTRUCTION: Under Traffic

LEVEL OF ENVIRONMENTAL ANALYSIS: Categorical Exclusion

DESIGN VARIATIONS REQUIRED: None

SUBST	YES	NO	UNDETERMINED
SUBST HORIZ ALIGNMENT	( )	( )	( )
SUBST ROADWAY WIDTH	( )	(X)	( )
SUBST ROADWAY WIDTH	( )	(X)	( )
SUBST SHOULDER WIDTH	( )	(X)	( )
SUBST VERT GRADES	( )	(X)	( )
SUBST CROSS SLOPES	( )	(X)	( )
SUBST STOPPING SIGHT DIST	( )	(X)	( )
SUBST SUPERELEV RATES	( )	(X)	( )
SUBST HORIZ CLEARANCE	( )	(X)	( )
SUBST SPEED DESIGN	( )	(X)	( )
SUBST VERTICAL CLEARANCE	( )	(X)	( )
SUBST BRIDGE WIDTH	( )	(X)	( )
SUBST BR STRUCT CAPACITY	( )	(X)	( )

UNDERGROUND STORAGE TANKS: None

HAZARDOUS SITES: None

**ALTERNATIVES CONSIDERED**

1. APPROVED CONCEPT
2. NO BUILD

**ESTIMATED COST**

**Alternative 1:**

CONSTRUCTION:	\$689,621	RIGHT-OF-WAY:	\$210,000
E & C (10%) :	\$68,962	ACQUIRED BY :	Clarke County
INFLATION :	\$37,929	UTILITIES :	\$5,000
		ADJUSTED BY :	
TOTAL CONSTRUCTION COST:	\$796,512		

**ATTACHMENTS:** Cost Estimate, Typical Sections and *Notice of Location & Design Approval*.

## PRELIMINARY COST ESTIMATE

PROJECT NUMBER: 142205

COUNTY: Clarke

DATE: 7/26/99

ESTIMATED LETTING DATE: 12/1/99

PREPARED BY: Kimley-Horn & Assoc.

PROJECT LENGTH: 0.566 km

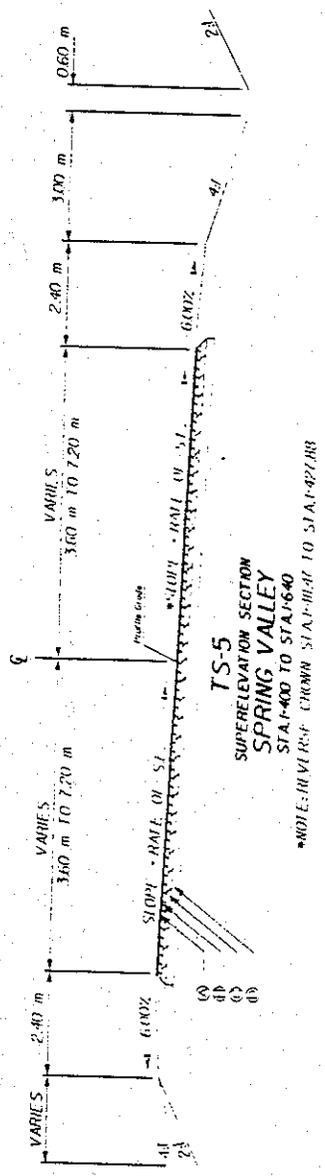
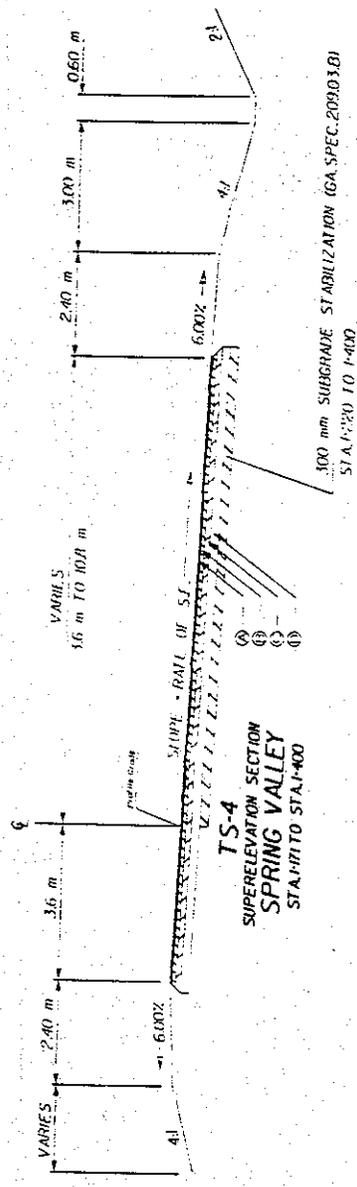
( ) PROGRAMMING PROCESS ( ) CONCEPT DEVELOPMENT (X) DURING PROJECT DEV.

PROJECT COST	
<b>A. RIGHT-OF-WAY:</b>	
1. PROPERTY (LAND & EASEMENT)	\$160,000
2. DISPLACEMENTS; RES: 1, BUS; 0, M.H.: 0	\$50,000
3. OTHER COST (ADM./COST, INFLATION)	\$0
<b>SUBTOTAL: A</b>	<b>\$210,000</b>
<b>B: REIMBURSEABLE UTILITIES:</b>	
1. RAILROAD	\$0
2. TRANSMISSION LINES (Gas)	\$2,500
3. SERVICES (Water)	\$2,500
<b>SUBTOTAL: B</b>	<b>\$5,000</b>
<b>C: CONSTRUCTION:</b>	
<b>1. MAJOR STRUCTURES</b>	
a. OVERPASSES	\$0
b. OTHER	\$0
<b>SUBTOTAL: C-1</b>	<b>\$0</b>
<b>2. GRADING AND DRAINAGE:</b>	
a. EARTHWORK (incl. GRADING)	\$146,000
<b>b. DRAINAGE:</b>	
1) Cross Drain Pipe	\$37,732
2) Curb and Gutter	\$0
3) Longitudinal System (incl. catch basins)	\$3,438
<b>SUBTOTAL: C-2</b>	<b>\$187,170</b>
<b>3. BASE AND PAVING:</b>	
a. AGGREGATE BASE:	181,260
b. ASPH. PAVING: Surface	\$42,774
Binder	\$68,000
Base	\$124,830
<b>SUBTOTAL: C-3.b</b>	<b>\$416,864</b>
c. CONCRETE PAVING	\$0
d. OTHER	\$17,505
<b>SUBTOTAL: C-3</b>	<b>\$434,369</b>
<b>4. LUMP ITEMS:</b>	
a. GRASSING	\$4,000
b. CLEARING AND GRUBBING	\$0
c. LANDSCAPING	\$0
d. EROSION CONTROL	\$20,906
e. TRAFFIC CONTROL	\$20,000
<b>SUBTOTAL: C-4</b>	<b>\$44,906</b>
<b>5. MISCELLANEOUS:</b>	
a. LIGHTING	\$0
b. SIGNING & MARKING	\$9,474
c. GUARDRAIL	\$11,206
d. SIDEWALK	\$0
<b>SUBTOTAL: C-5</b>	<b>\$20,680</b>
<b>6. SPECIAL FEATURES</b>	
<b>SUBTOTAL: C-6</b>	<b>\$2,496</b>

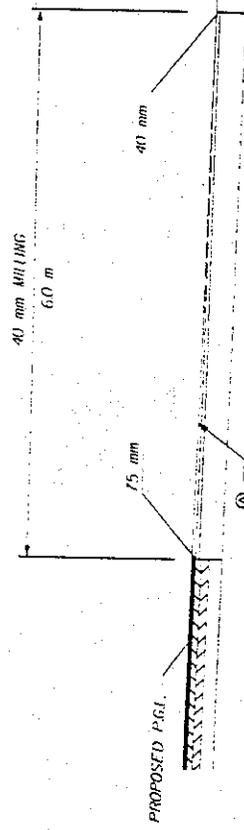
**ESTIMATE SUMMARY**

<b>A. RIGHT-OF-WAY</b>		\$210,000
<b>B. REIMBURSEABLE UTILITIES</b>		\$5,000
<b>C. CONSTRUCTION</b>		
<b>1. MAJOR STRUCTURES</b>		\$0
<b>2. GRADING AND DRAINAGE</b>		\$187,170
<b>3. BASE AND PAVING</b>		\$434,369
<b>4. LUMP ITEMS</b>		\$44,906
<b>5. MISCELLANEOUS</b>		\$20,680
<b>6. SPECIAL FEATURES</b>		\$2,496
<b>SUBTOTAL CONSTRUCTION COST</b>		\$689,621
<b>E. &amp; C. (10%):</b>		\$68,962
<b>INFLATION (5% PER YEAR)</b>		
NUMBER OF YEARS	1	\$37,929
<b>TOTAL CONSTRUCTION COST</b>		\$796,512
<b>GRAND TOTAL PROJECT COST</b>		\$1,011,512

DATE	BY	DESCRIPTION



- ④ - 12.5 mm MIX (90 Kg/m<sup>2</sup>)
- ③ - 19 mm MIX (120 Kg/m<sup>2</sup>)
- ② - 25 mm MIX (240 Kg/m<sup>2</sup>)
- ① - GRADED AGGREGATE BASE (300 mm THICK)



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



Kinley Iron and Associate, Inc.  
1100 S. W. 10th St., Ft. Lauderdale, FL 33304  
Tel: (305) 555-1100

TYPICAL SECTIONS  
SPRING VALLEY RD. @ INDIAN HILLS DR./WINTERVILLE RD.

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT

INTERSECTION IMPROVEMENTS

WINTERVILLE ROAD @ INDIAN HILLS ROAD &  
SPRING VALLEY ROAD

PROJECT NUMBER: STP-0317(02)

P.I. NO. 142205

CLARKE COUNTY

FEDERAL ROUTE NO:

Date of Report: July 13, 1999

STATE ROUTE NO:

GADOT P.I. NO: 142205

RECOMMENDATION FOR APPROVAL

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DATE

8/31/99

State Transportation Planning Administrator

*Herbert J. Sniffen* \*

DATE

State Transportation Programming Engineer

DATE

State Environment/Location Engineer

DATE

District Engineer

DATE

Project Review Engineer

DATE

State Traffic Operations Engineer

\* The contract for PE, R/W and 20% cost has not been signed by Locals.

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT  
INTERSECTION IMPROVEMENTS  
WINTERVILLE ROAD @ INDIAN HILLS ROAD &  
SPRING VALLEY ROAD  
PROJECT NUMBER: STP-0317(02)  
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District Engineer

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Project Review Engineer

9-1-89

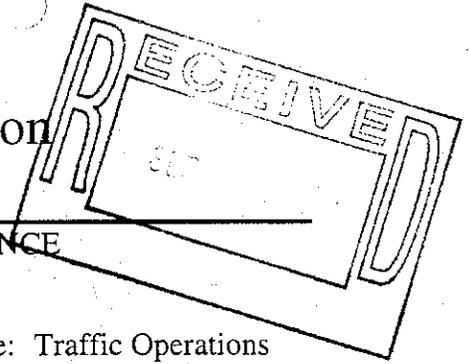


DATE

State Traffic Operations Engineer

Department of Transportation  
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE



File: STP-0317(02)/Clarke County  
P.I. No. 142205

Office: Traffic Operations  
Atlanta, Georgia  
Date: August 31, 1999

From:  G. Waters, III, P.E., State Traffic Operations Engineer  
To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review

We have reviewed the concept report on the above project for intersection improvements to Spring Valley Road at Indian Hills Road/Winterville Road, in the city of Athens.

Spring Valley Road is a rural two lane roadway which provides access to residential communities and industrial land uses. Winterville Road is a two lane roadway providing access as a mostly industrial use roadway and provides a facility to the Athens Municipal Airport. Indian Hills Road is a two lane predominately residential used roadway. The existing speed limit is 70 km/hr(45mph).

This project will realign Winterville Road to intersect Spring Valley Road, at 90 degrees, at Indian Hills Road. Left and Right turn lanes will be added to each approach. This will improve sight distance in the heavily traveled an industrial area. Traffic is to be maintained during construction.

We believe this concept will improve safety and traffic operations along this section of roadway.

We therefore find this report satisfactory for approval.

MGW:TWS

Attachment (signature page)

c: David Studstill  
Hugh Tyner, P.E., District Engineer, Gainesville  
Attention: Todd Long, P.E.  
David Mulling, w/ attachment  
Marta Rosen  
General Files

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT  
INTERSECTION IMPROVEMENTS  
WINTERVILLE ROAD @ INDIAN HILLS ROAD &  
SPRING VALLEY ROAD  
PROJECT NUMBER: STP-0317(02)  
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9/10/99  
DATE

Marta V. Rosenz  
State Transportation Planning Administrator

DATE

State Transportation Programming Engineer

DATE

State Environment/Location Engineer

DATE

District Engineer

DATE

Project Review Engineer

DATE

State Traffic Operations Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT  
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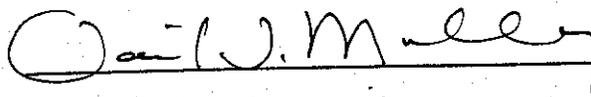
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District Engineer

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8/31/99



Project Review Engineer

DATE

State Traffic Operations Engineer