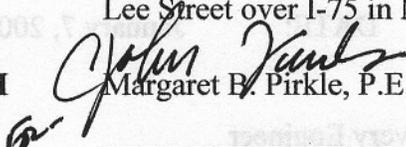


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 712602- Clayton County **OFFICE** Preconstruction
 NH-75-2(170)
 Lee Street over I-75 in Morrow, GA **DATE** March 24, 2005

FROM  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT REVISED PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

- David Mulling
- Harvey Keeper
- Ken Thompson
- Jamie Simpson
- Michael Henry
- Keith Golden
- Joe Palladi (file copy)
- Babs Abubakari
- Bryant Poole
- BOARD MEMBER
- FHWA

ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

JAN 10 2005

INTERDEPARTMENTAL CORRESPONDENCE

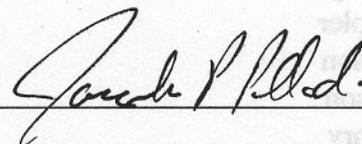
FILE: NH-75-2(170) Clayton County OFFICE: Atlanta, Georgia
P.I. No. 712602
Lee St. in Morrow over I-75, DATE: January 7, 2005
FROM: *M. B. Abubakari*
Mohammed (Babs) Abubakari, P.E.,
State Consultant Design and Program Delivery Engineer
TO: Meg Pirkle, Assist. Director of Preconstruction
SUBJECT: Revised Project Concept Report

Attached is the original copy of the revised Concept Report for you further handling for approval in accordance with the Plan Development Process (PDP).

Upon review of the original plan development in addition to HOV Corridor Studies conducted by the Department, it was necessary to modify the I-75 Typical section to accommodate a future grade separated HOV system. These modifications have resulted in additional design modifications to the proposed roadway and structures.

The revised 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 2/09/05



State Transportation Planning Administrator

Distribution:

David Mulling - State Project Review Engineer
Harvey Keeper - State Environmental/Location Engineer
Carla Holmes - State Traffic Operations Engineer
Joe Palladi - State Transportation Planning Administrator
Jamie Simpson - State Financial Management Administrator
Bryant Poole - District 7 Engineer
Paul Liles - State Bridge Design Engineer

REVISED PROJECT CONCEPT REPORT

Need and Purpose:

The need to improve the operation of the I-75/S.R. 54 interchange was identified in the 1986 Clayton County Subarea Study commissioned by the Atlanta Regional Commission. This analysis concluded that the rapid growth occurring along S.R. 54 and associated with Southlake Mall would generate traffic volumes that would exceed the capacity of the S.R. 54 interchange at I-75 despite construction of the Mt. Zion interchange at I-75 just south of S.R. 54. The study recommended that preliminary engineering be initiated to develop a project within a suitable time frame.

Excellent freeway access has made the area a major commercial and employment node on the south side of the Atlanta region. Several shopping centers including Southlake Festival have located in the area to capitalize on the commercial success of Southlake Mall. The Morrow Industrial Area development has expanded along the S.R. 54 corridor and Mt. Zion Boulevard. The combination of excellent commercial services, employment opportunities, and transportation access has also made the S.R. 54 corridor area attractive to residential development. The combination of commercial, industrial, and residential development has generated traffic demand well above the capacity of S.R. 54 and its interchange with I-75.

The proposed project will allow connectivity to the proposed county improvement of Lee Street. This improvement may reduce the use of S.R. 54 as the sole access point in the area. The proposed facility, when constructed in combination with improvements to the operational capacity, serves the transportation demand generated by the increase in through and turning traffic, and improves the safety of the road.

This project is committed to a safe, efficient, and sustainable transportation system for all users and support economic development, environmental sensitivity and an improved quality of life for all.

Project location:

This Roadway and bridge project consists of Lee Street over I-75 from approximately 0.05 miles south of I-75 northward to approximately 0.10 miles north of I-75. This project is located in Clayton County. The proposed Project Concept Report recommends construction of a bridge and its approaches to connect Lee Street over I-75.

Description of the approved concept:

PDP Classification: Major _____ Minor X

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

Functional Classification: Urban Local Road

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

State Route Number(s): N/A

Traffic (AADT) as shown in the approved concept:

Current Year: 1785 (1995) Design Year: 2785 (2015)

Proposed features to be revised:

The following features, which are included in the approved concept report, are to be revised:

- Project Length: 0.15 km (0.09 miles)
- Proposed Right of Way width 12.2 meters (40 feet)

Describe the revised feature(s) to be approved:

The changes proposed as part of this revised concept include modification to the Lee Street Bridge connector tie in location on the north side of I-75 and an increase of the proposed Right of Way width. The following is a list of the proposed revisions to the approved concept report:

- Project length: 0.19 miles
- Proposed Right of Way width 60 feet

The estimated construction time does not change. The project will also be prepared in English units. The proposed revision to the concept also allows the proposed improvements to Lee Street to accommodate the future construction of HOV barrier separated travel lanes along I-75.

Updated traffic data (AADT):

Current Year: 5000 (2007) Design Year: 8550 (2027)

Programmed/Schedule:

P.E. AUTH. R/W: 2005 Construction: 2006

Revised cost estimates:

Construction Cost	\$ 1,462,375
Inflation (5%) – 2 Years	\$ 149,893
E & C (10%)	\$ 146,238
Right of Way	\$ 0
Utilities	LGPA
Total	\$ 1,758,506

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

The approved concept is similar to the revised concept as it relates to the effects of air quality. The changes consist in an increase in approximately 0.10 miles of project length. The typical section and number of through lanes remains unchanged. The proposed improvements are expected to open to traffic no later than fiscal year 2007.

Recommendation:

Recommend that the proposed revisions to the concept be approved for implementation.

Attachments:

1. Typical Sections (Lee Street and I-75 with barrier separated HOV lanes)
2. Cost Estimate

Full Oversight projects

Concur: Buddy Latta
Director of Preconstruction

Approve: Walter E. Bayliss
Division Administrator, FHWA

Approve: O. L. S. Hitt
Chief Engineer

SCORING RESULTS AS PER TOPPS 2440-2

Project Number:		County:		PI No.:	
Report Date:		Concept By:			
<input type="checkbox"/> CONCEPT		DOT Office:			
		Consultant:			
Project Type: Choose One From Each Column		<input type="checkbox"/> Major	<input type="checkbox"/> Urban	<input type="checkbox"/> ATMS	
		<input type="checkbox"/> Minor	<input type="checkbox"/> Rural	<input type="checkbox"/> Bridge	
				<input type="checkbox"/> Building	
				<input type="checkbox"/> Interchange	
				<input type="checkbox"/> Intersection	
				<input type="checkbox"/> Interstate	
				<input type="checkbox"/> New Location	
				<input type="checkbox"/> Widening & Reconstruction	
				<input type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation					
Judgement					
Environmental					
Right of Way					
Utility					
Constructability					
Schedule					

Preliminary Cost Estimate

Project: Lee Street Extension over I-75
 Project No.: NH-IM-75-2(170)
 County: Clayton

Date: Nov-03
 Length: 0.19 mi
 Phase: Concept

Project Cost

A.	Right of Way (Easements)			\$0
B.	Reimbursable Utilities			*LGPA
C.	Construction:			
1.	Lee Street Bridge over I-75	18,520	SF	\$65.00 \$1,203,800
				Subtotal \$1,203,800
2.	Grading and Drainage			
a.	Unclassified Earthwork	1,500	CY	\$6.00 \$9,000
b.	Drainage - Longitudinal System	1	LS	\$10,000 \$10,000
				Subtotal \$19,000
3.	Base & Paving			
a.	Graded Aggregate Base	2,182	TN	\$15.85 \$34,585
b.	Asphalt Concrete 9.5 mm	218	TN	\$39.55 \$8,622
c.	Asphalt Concrete 19 mm	356	TN	\$56.01 \$19,940
d.	Asphalt Concrete 25 mm	533	TN	\$37.49 \$19,982
e.	Bituminous tack coat	153	GAL	\$0.91 \$139
				Subtotal \$83,268
4.	Concrete Work			
a.	Sidewalk	294	SY	\$34.56 \$10,176
b.	Curb and gutter, type 2	1,289	LF	\$11.32 \$14,591
c.	Approach slabs	400	SY	\$118.40 \$47,360
				Subtotal \$72,127
5.	Signing and Striping			
a.	Signs	1	LS	\$1,000.00 - \$1,000
b.	Striping	1	LS	\$2,500.00 \$2,500
				Subtotal \$3,500
6.	Guardrail			
a.	Guardrail, Type W	350	LF	\$38.40 \$13,440
b.	Guardrail, T Beam	100	LF	\$38.40 \$3,840
c.	Anchors TP 12	4	EA	\$1,650.00 \$6,600
d.	Anchors TP 1	4	EA	\$500.00 \$2,000
				Subtotal \$25,880

7. Traffic Control & Mobilization

a. Traffic Control	1	LS	\$20,000.00	\$20,000
b. Mobilization	1	LS	\$10,000.00	\$10,000
			Subtotal	\$30,000

8. Landscaping and Erosion Control

a. Clearing & Grubbing	1	LS	\$3,000.00	\$3,000
b. Grassing	1	LS	\$1,000.00	\$1,000
c. Erosion Control	1	LS	\$10,000.00	\$10,000
			Subtotal	\$14,000

9. Miscellaneous

a. Pavement Removal	200	SY	\$4.00	\$800
b. Misc. Construction Items	1	LS	\$10,000.00	\$10,000
			Subtotal	\$10,800