ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE CSNHS-0006-00(688) Fulton County
P. I. No. 0006688
I-85 NB Viaduct at GA 400NB Exit Lane

OFFICE Preconstruction

DATE February 1, 2005

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

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

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

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE CSNHS-0006-00(688) Fulton County
P.I. No. 0006688
I-85 NB Viaduct at GA 400 NB Exit Lane

OFFICE Preconstruction

DATE November 30, 2004

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

TO Paul V. Mullins, P.E., Chief Engineer

SUBJECT **PROJECT CONCEPT REPORT**

This project is the widening of the viaduct on I-85/SR 403 to restore a northbound lane at the SR 400 interchange. The total project length is 2500'± (MP 29.71 - MP 30.18). Currently I-85/SR 403 northbound has one dedicated exit lane and one option lane. This was accomplished by stripping out an I-85 northbound through lane to address the preferred two lane configuration. This eliminated an ambiguous lane configuration and lessened driver confusion. This project will restore a through lane on I-85/SR 403 that is currently being used as the exit only lane and part of the interchange gore. The existing roadway on I-85/SR 403 northbound consists of four, 11' lanes, one, 11' HOV lane, and a 12' paved shoulder with a posted speed limit of 55 MPH. Accident analysis for 2000-2002 data years indicate there were 226 accidents reported along I-85/ SR 403 in the area of the proposed project. The majority of the accidents were classified as "rear end" and "sideswipe" which indicates driver indecision and a level of undesirable congestion. The projected AADT for I-85/SR 403 northbound approaching SR 400 ramps 119,500 in 2006. The projected AADT on the SR 400 ramp from I-85/SR 403 northbound is 41,500 in 2006. It is anticipated that the AADT will increase to 163,000 and 55,000 respectively in the design year 2026.

The construction proposes widening the viaduct to accommodate a 300' taper and 1500' auxiliary lane. The viaduct will be widened from 76' to 87' wide (face of barrier to face of barrier) with a 7' inside shoulder, an 11' HOV lane, 2' HOV buffer, five - 11' travel lanes, and a 12' shoulder. Traffic will be maintained during construction via staging.

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

CSNHS-0006-00(688) Fulton
November 30, 2004

The estimated costs for this project are:

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C and inflation)	$4,363,000	$7,500,000	Q05	2006
Right-of-Way & Utilities*	-0-	-0-		

*LGPA to be sent

This project will reduce driver indirection to provide a safer movement for all drivers. I recommend this project concept be approved.

MBP:JDQ/cj

Attachment

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

APPROVE _____
For Robert M. Callan, Administrator, FHWA

APPROVE _____
Paul V. Mullins, P.E., Chief Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

NOV 17 2004

FILE: CSNHS-0006-00(688) Fulton
P.I. No.: 0006688
I-85 NB Viaduct @ GA 400 NB Exit Lane

OFFICE: Engineering Services

DATE: November 17, 2004

FROM: David Mulling, Project Review Engineer REW

TO: Meg Pirkle, Assistant Director of Preconstruction

SUBJECT: **CONCEPT REPORT**

We have reviewed the Concept Report submitted November 10, 2004 by the letter from Buddy Gratton dated November 9, 2004, and have no additional comments.

The costs for this project are:

Construction	$3,776,266
Inflation	$188,813
E&C	$396,508
Reimbursable Utilities	$0.00
Right of Way	$0.00

REW

c: Buddy Gratton, Attn: Chris Woods

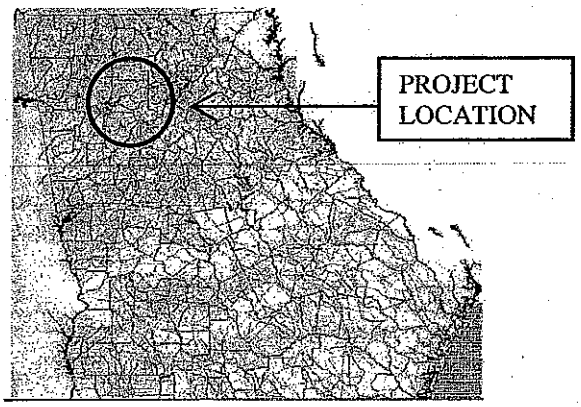
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

DISTRICT 7

PROJECT CONCEPT REPORT

Project Number: CSNHS-0006-00(688)
County: FULTON
P. I. Number: 0006688

Federal Route Number: I-85
State Route Number: S.R. 403



Recommendation for approval:

DATE 11/5/04 _____
Project Manager

DATE 11/5/04 _____
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 the State Transportation Improvement Program (STIP).

DATE _____ _____
State Transportation Planning Administrator

DATE _____ _____
State Transportation Programming Engineer

DATE _____ _____
State Environmental/Location Engineer

DATE _____ _____
State Traffic Safety & Design Engineer

DATE 11/17/04 _____
Project Review Engineer

DATE _____ _____
State Bridge Engineer

SCORING RESULTS AS PER MOG 2440-2

Project Number:	County:	PI No.:
CSNHS-0006-00(688)	Fulton	0006688

Report Date:	Concept By:
November 5, 2004	DOT Office: District 7
☒ Concept Stage	Consultant: N/A

Project Type: Choose One From Each Column			
	☒ Major ☐ Minor	☒ Urban ☐ Rural	☐ ATMS ☐ Bridge Replacement ☐ Building ☐ Interchange Reconstruction ☐ Intersection Improvement ☐ Interstate ☐ New Location ☒ Widening & Reconstruction ☐ Miscellaneous

FOCUS AREAS	SCORE	RESULTS
Presentation	100	
Judgment	100	
Environmental	100	
Right of Way	100	
Utility	100	
Constructability	100	
Schedule	100	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSNHS-0006-00 (688), Fulton County
I-85 NB Viaduct @ GA 400 NB – Exit Lane
P.I. # 0006688

OFFICE: Chamblee\Metro

DATE: November 9, 2004

FROM: Buddy Gratton, P.E., District Engineer BG

TO: Meg Pirkle, P.E., Assistant Director of Preconstruction

SUBJECT: ***PROJECT CONCEPT REPORT***

Attached is the original copy of the concept report for your further handling for approval in accordance with the PDP.

If you have any questions in regards to this concept, please contact Chris Woods at (770) 986-1050.

BG\WSL\cnw

cc: Phillip Allen
David Mulling
Harvey Keepler
Paul Liles
Joe Palladi
Jamie Simpson
File

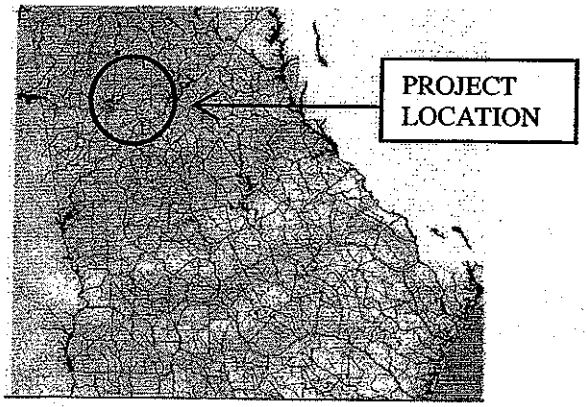
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

DISTRICT 7

PROJECT CONCEPT REPORT

Project Number: CSNHS-0006-00(688)
County: FULTON
P. I. Number: 0006688

Federal Route Number: I-85
State Route Number: S.R. 403



Recommendation for approval:

DATE 11/5/04 _____
Project Manager

DATE 11/5/04 _____
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 the State Transportation Improvement Program (STIP).

DATE _____
State Transportation Planning Administrator

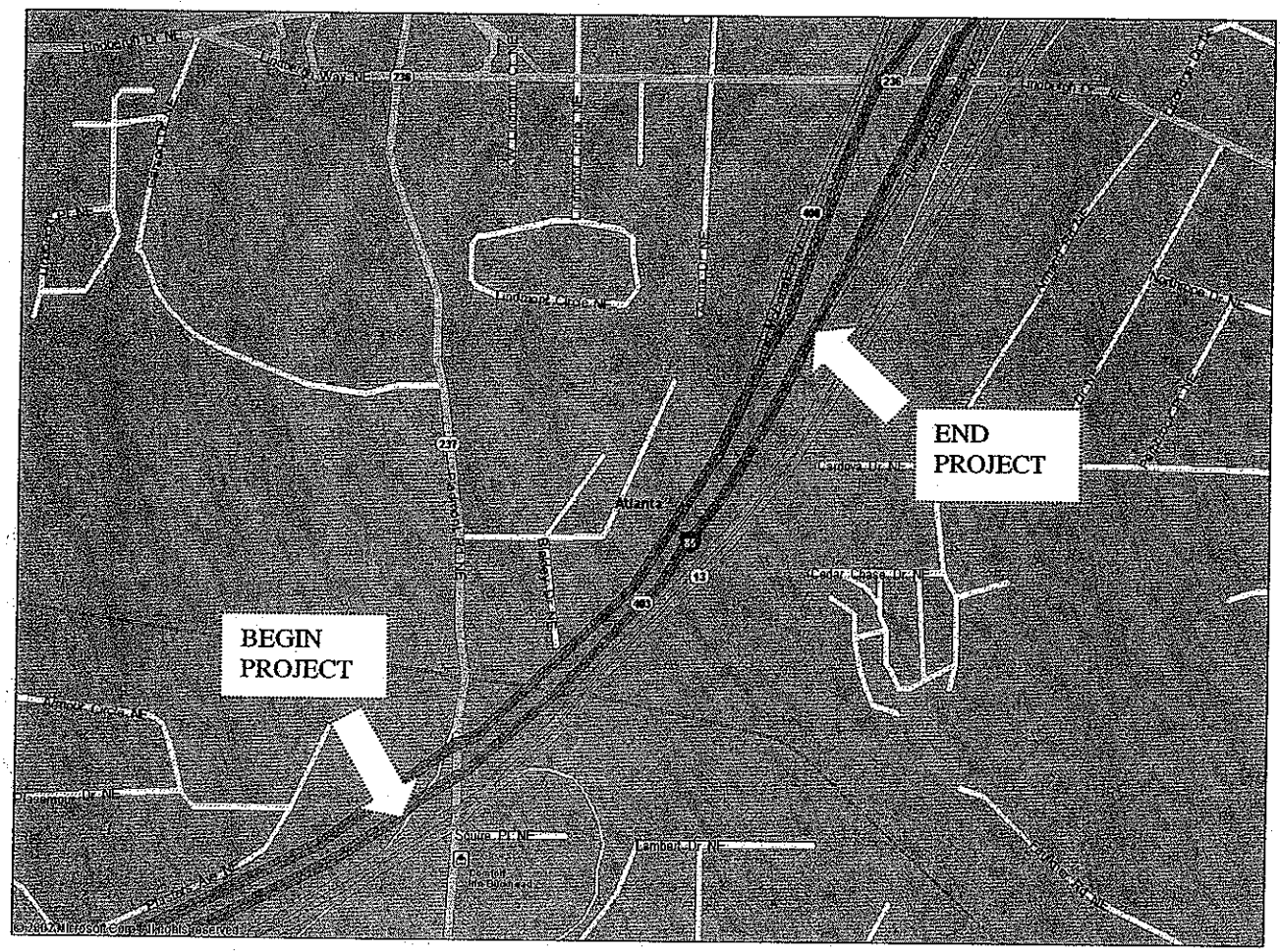
DATE _____
State Transportation Programming Engineer

DATE _____
State Environmental/Location Engineer

DATE _____
State Traffic Safety & Design Engineer

DATE _____
Project Review Engineer

DATE _____
State Bridge Engineer


END
PROJECT
BEGIN
PROJECT

Need and Purpose:

Background

The Atlanta Regional Commission (ARC) adopted the 2025 Regional Transportation Plan (RTP) for the 13-county Atlanta Metropolitan area in April 2000. The Plan addresses travel needs through the year 2025. The RTP is the direct result of a comprehensive, cooperative, and continuous planning process conducted by ARC, local governments and the Georgia Department of Transportation in cooperation with the Federal Highway and Federal Transit Administrations. The proposed 2030 RTP recommends widening the I-85/SR 403NB viaduct at SR 400NB.

Proposed Improvement

The existing roadway on I-85/SR 403 Northbound in the proposed project area consists of four 11' travel lanes, one 11' HOV lane and a 12' paved shoulder. The posted speed limit is 55 mph and the maximum grade for the roadway is 2.7 %. The project proposes widening the northbound viaduct to provide a dedicated exit lane onto SR 400NB. The proposed design would include five 11' travel lanes, one 11' HOV lane and a 12' shoulder. The total length of the project is approximately 0.4 miles. Currently a lane from I-85/SR 403 is being used as part of the gore area for the I-85/SR 400 interchange. The new design will restore this lane.

Projects in the area in the 6 year Construction Work Program

- TIP/RTP # AT-AR-212B, NH-85-2(153), PI # 762380, SR 400/I-85 Connector Ramps, Preliminary Engineering (PE) is Authorized, ROW is not required, and Construction is scheduled for 2008. This project is the creation of a new access ramp from I-85 southbound to SR 400 northbound and from SR 400 southbound to I-85 northbound.
- TIP/RTP # AR-340, CM-056-1(56), PI # 721960, SR 400 from south of I-85 to north of I-285 in Fulton County, Preliminary Engineering (PE) is Authorized, ROW is not required, and Construction is scheduled for 2005. This project is the addition of fiber optic cable, surveillance cameras and changeable message signs from I-85 North to I-285 North.

Travel Demand and Operational Characteristics

The projected AADT for I-85/SR 403NB approaching SR 400 ramp is 119,500 in 2006. The projected AADT on the SR 400 ramp from I-85/SR 403NB is 41,500 in 2006. It is anticipated that the AADT will increase to 163,000 and 55,000 respectively in the design year of 2026. This is an increase of approximately 36% and 33% respectively for these sections of roadway. I-85 is classified as an Urban Interstate Principal Arterial and SR 400 is classified as an Urban Principal Arterial.

Community Issues

Fulton County is part of the Atlanta metropolitan area and is a rapidly growing residential area. The 2000 Census listed the population in Fulton County as 816,006. During the 1990 Census year, Fulton County had a population of 648,951. Between 1990 and 2000, Fulton County gained 167,055 residents, a 25.7 percent increase which ranked second in the region in net population increase. Fulton County is the largest county in Georgia in both land area and population and is the region's most densely populated area. The 2010 population projection for Fulton County is 860,797. In the area of the proposed project approximately 8% of the population lives below the poverty level and approximately 27% are minority. These factors would not impact the proposed project. The land uses in the vicinity of the project is a mix of high density commercial and low and medium residential property.

Safety

In 2000, 2001 and 2002, the last three years accident data is available, there were 226 accidents reported along I-85/SR 403 in the area of the proposed project. For 2000, the total number of accidents was 88, with 37 injuries and no fatalities. For 2001, the total number of accidents was 57 with 14 injuries and no fatalities. For 2002, the total number of accidents was 81 with 26 injuries and no fatalities. Below are accident data and comparable statewide averages.

	2000	2001	2002
Total Accidents	88	57	81
Accidents Per 100 MVMT	181	89	127
Statewide Accidents Per 100 MVMT	196	197	204
Accident Ratio % >< statewide average	7.6%<	54.8%<	37.7%<

The above accident data indicates I-85/SR 403, for the proposed project location, experiences accidents at a rate below the statewide average for similar classified facilities. The majority of the accidents were classified as "rear end" and "sideswipe" which indicate driver indecision and a level of undesirable congestion. Although the accident rates were below the Statewide average they are still at unacceptable levels.

Logical Termini

The proposed project concept CSNHS 0006-00(688) ~~consist of~~ the widening of the viaduct on I-85/SR 403 to restore a NB lane at the SR 400 interchange. The southern terminus of this project will tie to the existing I-85/ SR 403 viaduct. The northern terminus of this project will restore the NB lane on I-85/SR 403 currently being used as a gore area for the interchange. The total length of the project is approximately 2500 feet.

Need and Purpose

Currently I-85/SR 403NB viaduct has one dedicated exit lane and one option lane. This was accomplished by stripping out an I-85NB through lane to address the preferred two lane configuration. This eliminated an ambiguous lane configuration and lessened driver confusion. The project will restore a through lane on I-85/ SR 403 that is currently being used as the exit only lane and part of the interchange gore. This will reduce driver indirection to provide a safer movement for all drivers. The project will provide local and through traffic with a facility that will serve current and future travel demand and provide the public with a safer driving environment.

Description of the proposed project: Project CSNHS-0006-00(688) (located in the City of Atlanta, Fulton County) proposes widening approximately 1800 feet of the Viaduct located on Interstate 85/ S.R. 403 N.B. to accommodate a 300 foot taper and 1500 foot auxiliary lane as required with a Tapered Type System to System Interchange between Interstate 85/ S.R. 403 and GA State Route 400. The travel lanes and gore area of the existing interchange between Interstate 85/ S.R. 403 and GA State Route 400 will be striped to match the new design. Currently a lane from Interstate 85/ S.R. 403 is being used as part of the gore area for this interchange. The new design restores this lane. The total project length is approximately 2500 feet (MP 29.71 – MP 30.18).

Is the project located in a Non-attainment area? Yes X **No**
This project is not adding any through lanes to the approved model for network year 2010.

PDP Classification: Major (X), Minor ( )
Federal Oversight: Full Oversight (X), Exempt ( ), State Funded ( ), or Other ( )

Functional Classification: Interstate Principal Urban Arterial

U. S. Route Number(s): I-85 **State Route Number(s):** S.R.403

Traffic (AADT):

I-85 / SR 403 N.B. Approaching GA 400 Ramp:
Current Year: (2006) 119,500 Design Year: (2026) 163,000

GA 400 Ramp from I-85 / SR 403 N.B.:
Current Year: (2006) 41,500 Design Year: (2026) 55,000

Existing design features:

- Typical Section: 7 ft. inside shoulder, an 11 ft. HOV lane, 2 ft. HOV buffer, 4-11 ft. travel lanes and a 12 ft. shoulder
- Posted speed: 55 mph Minimum Radius: 1065'
- Maximum grade: 2.7 % mainline
- Width of right of way: 300 ft (est.)
- Major structures: I-85 Viaduct
- Major interchanges or intersections along the project: Interstate 85/ S.R. 403 NB and GA State Route 400
- Existing length of Roadway: Approximately 600 ft of I-85 and GA 400.

Proposed Design Features: 7 ft. inside shoulder, an 11 ft. HOV lane, 2 ft. HOV buffer, 5-11 ft. travel lanes and a 12 ft. shoulder

- Proposed typical sections (Proposed Design Speed Mainline): 55 mph
- Proposed Maximum grade Mainline: 2.7% Maximum grade allowable: 7%
- Proposed Maximum grade Side Street: n/a Maximum grade allowable: *n/a*
- Proposed Maximum grade driveway: n/a
- Proposed Minimum Radius: 1065'
- Right of way
  - Width: no additional R/W or easement required
  - Easements: Temporary ( ), Permanent ( ), Utility ( ), Other ( ).
  - Type of access control: Full (X), Partial ( ), By Permit ( ), Other ( ).
  - Number of parcels: Number of displacements:
    - Business:
    - Residences:
    - Mobile homes:
    - Other:
- Structures:

Bridges: The Viaduct will be widened from 76 ft. to 87 ft. wide (face of barrier to face of barrier) with a 7 ft. inside shoulder, an 11 ft. HOV lane, 2 ft. HOV buffer, 5-11 ft. travel lanes and a 12 ft. shoulder

- Major intersections and interchanges: Interstate 85/ S.R. 403 NB and GA State Route 400
- Traffic control during construction: Staged construction (no detours)
- Design Exceptions to controlling criteria anticipated:

	UNDETERMINED	YES	NO
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)
SPEED DESIGN:	( )	( )	(X)
VERTICAL CLEARANCE:	( )	( )	(X)
BRIDGE WIDTH:	( )	( )	(X)
BRIDGE STRUCTURAL CAPACITY:	( )	( )	(X)

- Design Variances: none
- Environmental concerns: Programmatic CE anticipated.

- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes (X), No ( ),
  - Categorical exclusion (X),
  - Environmental Assessment/Finding of No Significant Impact (FONSI) ( ), or
  - Environmental Impact Statement (EIS) ( ).
- Utility involvements: CSX Railroad just north of Piedmont Avenue

Project responsibilities:

- Design: District 7 Preconstruction
- Right of Way Acquisition: n/a
- Relocation of Utilities: Utility Companies
- Letting to contract: GDOT Office of Contracts Administration
- Supervision of construction: District 7 Construction Office
- Providing material pits: Contractor
- Providing detours: Contractor

Coordination

- Initial Concept Meeting date and brief summary: June 22, 2004.
- Concept meeting date and brief summary: Date
- P. A. R. meetings, dates and results.
- Other projects in the area in the 6 year Construction Work Program.
  - TIP/RTP # AT-AR-212B, NH-85-2(153), PI # 762380, SR 400/I-85 Connector Ramps, Preliminary Engineering (PE) is Authorized, ROW is not required, and Construction is scheduled for 2008. This project is the creation of a new access ramp from I-85 southbound to SR 400 northbound and from SR 400 southbound to I-85 northbound.
  - TIP/RTP # AR-340, CM-056-1(56), PI # 721960, SR 400 from south of I-85 to north of I-285 in Fulton County, Preliminary Engineering (PE) is Authorized, ROW is not required, and Construction is scheduled for 2005. This project is the addition of fiber optic cable, surveillance cameras and changeable message signs from I-85 North to I-285 North.
- Railroads – CSX Railroad runs under the viaduct. Tracks will not be altered by this project.

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 4 months
- Time to complete preliminary construction plans: 3 months
- Time to complete right of way plans: n/a
- Time to complete the Section 404 Permit: n/a
- Time to complete final construction plans: 4 months
- Time to complete to purchase right of way: n/a

Other alternates considered:

1. No Build Alternative. A no build alternative was discussed but rejected because it does not satisfy the need and purpose of this project. A no build situation would permanently use the through lane taken from I-85 NB as an exit only lane to GA 400.
2. Parallel Type System to System Interchange. A parallel type interchange was considered for this design but rejected. There are operational differences between a two-lane tapered exit and a two-lane parallel exit. A parallel exit has two dedicated exit lanes without the presence of an option lane. In this configuration a lane change is required to exit. Drivers desiring to be in the rightmost lane of the ramp would have to change lanes twice (AASHTO p. 863-864). This would be a significant modification to the current configuration of the interchange. For purposes of operation and driver expectancy, it is better to retain the tapered configuration. Additional widening would also be needed to construct a parallel type two-lane exit.

Comments:

Attachments:

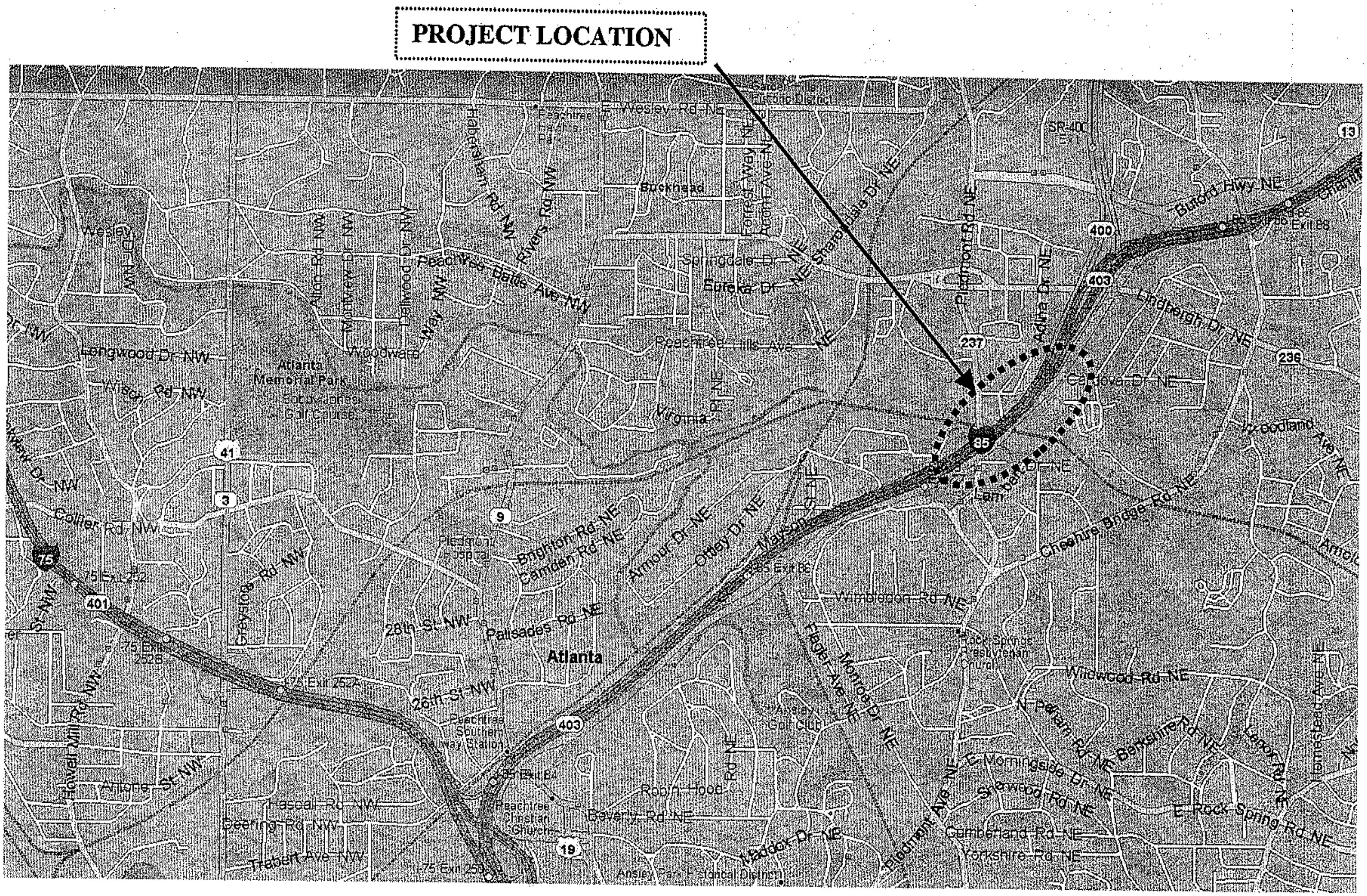
1. Cost Estimate
2. Sketch location map
3. Typical sections
4. Accident summaries
5. Bridge inventory
6. Minutes of Initial Concept and Concept meetings
7. Traffic Diagrams
8. Project Layout

CSNHS-0006-00(688)

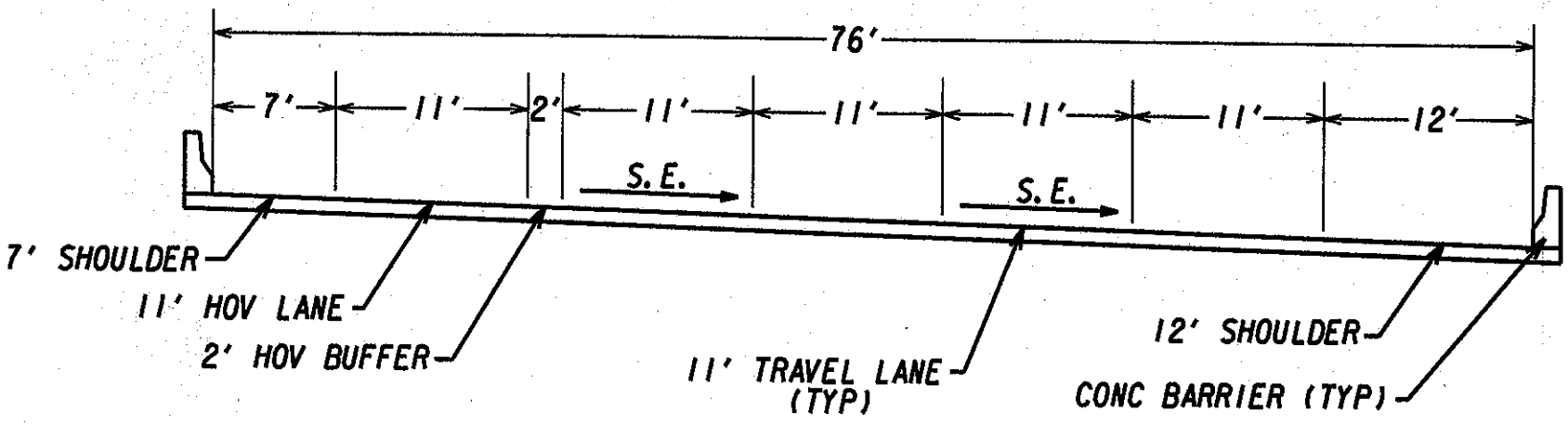
I-85 / VIADUCT WIDENING @ GA-400

Preliminary Cost Estimate 8/8/04

ITEM NO.		UNIT	QUAN.	UNIT COST	TOTAL COST
	ROADWAY ITEMS				
150-1000	TRAFFIC CONTROL - BHM-9003(8)	LUMP	1	$2,000,000.00	$2,000,000.00
210-0100	GRADING COMPLETE - BHM-9003(8)	LUMP	1	$100,000.00	$100,000.00
310-1101	GR AGGR BASE CRS, INCL MATL	TONS	276	$16.53	$4,562.28
402-3112	RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 2 ONLY, INCL BITUM	TONS	132	$50.00	$6,600.00
402-3121	RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM	TONS	264	$50.00	$13,200.00
402-3130	RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 1 OR 2, INCL BITUM	TONS	28	$50.00	$1,400.00
413-1000	BITUM TACK COAT	GAL	98	$0.91	$89.18
432-0206	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	SY	4000	$1.41	$5,640.00
	SIGNING AND MARKING				
653-1501	THERMOPLASTIC SOLID TRAFFIC STRIPE, 5 IN, WHITE	LF	1000	$0.34	$340.00
653-1502	THERMOPLASTIC SOLID TRAFFIC STRIPE, 5 IN, YELLOW	LF	200	$0.43	$86.00
653-1804	THERMOPLASTIC SOLID TRAFFIC STRIPE, 8 IN, WHITE	LF	1100	$1.54	$1,694.00
653-3501	THERMOPLASTIC SKIP TRAFFIC STRIPE, 5 IN, WHITE	GLF	2000	$0.24	$480.00
656-0050	REM EXISTING SOLID TRAFFIC STRIPE, 5 INCH, THERMOPLASTIC	LF	2200	$0.35	$770.00
657-9110	WET REFLECTIVE PREFORMED SOLID PVMT MARKINGS, 5 IN, WHITE	LF	2100	$2.25	$4,725.00
657-9310	WET REFLECTIVE PREFORMED SKIP PVMT MARKINGS, 5 IN, WHITE	GLF	4200	$1.50	$6,300.00
657-9510	WET REFLECTICE PREFPRMED PAVEMENT MARKINGS, WHITE	SY	25	$57.20	$1,430.00
	BARRIER WALL				
610-0719	REM CONCRETE SIDE BARRIER	LF	2200	$27.40	$60,280.00
621-4070	CONCRETE SIDE BARRIER, TYPE 7C	LF	2200	$125.80	$276,760.00
	BRIDGE ITEMS				
	REINFORCED CONCRETE BRIDGE	SF	19800	$65.00	$1,287,000.00
433-1100	REINFORCED CONC APPROACH SLAB, INCL CURB	SY	50	$98.19	$4,909.50
				SUBTOTAL	$3,776,265.96
	5% INFLATION			1YR	$188,813.30
	10% E&S				$377,626.60
				TOTAL	**$4,342,705.85**


PROJECT LOCATION
Wesley Rd NE
Buckhead
Springdale Dr NE
Eureka Dr NE
Peachtree Hills Ave NE
Piedmont Rd NE
Adina Dr NE
Cardova Dr NE
Lindbergh Dr NE
Buford Hwy NE
Woodland Ave NE
Cheshire Bridge Rd NE
Wimbledon Rd NE
Willowood Rd NE
N Pelham Rd NE
Berkshire Rd NE
E Morningside Dr NE
Sherwood Rd NE
E Rock Spring Rd NE
Cumberland Rd NE
Yorkshire Rd NE
Piedmont Ave NE
Maddox Dr NE
Monroe Dr NE
Flagler Ave NE
Armour Dr NE
Ottley Dr NE
Brighton Rd NE
Camden Rd NE
Palisades Rd NE
28th St NW
26th St NW
Atlanta
Piedmont Hospital
Virginia
Peachtree Battle Ave NW
Rivers Rd NW
Habersham Rd NW
Alton Rd NW
Montview Dr NW
Dellwood Dr NW
Atlanta Memorial Park
Longwood Dr NW
Wesley Dr NW
Collier Rd NW
Greystone Rd NW
Howell Mill Rd NW
Antone St NW
Deering Rd NW
Trabert Ave NW
Beverly Rd NE
Robin Hood Rd NE
Ansley Park Historical District
Ansley Golf Club
Rock Springs Presbyterian Church
75
85
400
403
401
237
236
41
3
9
19
13

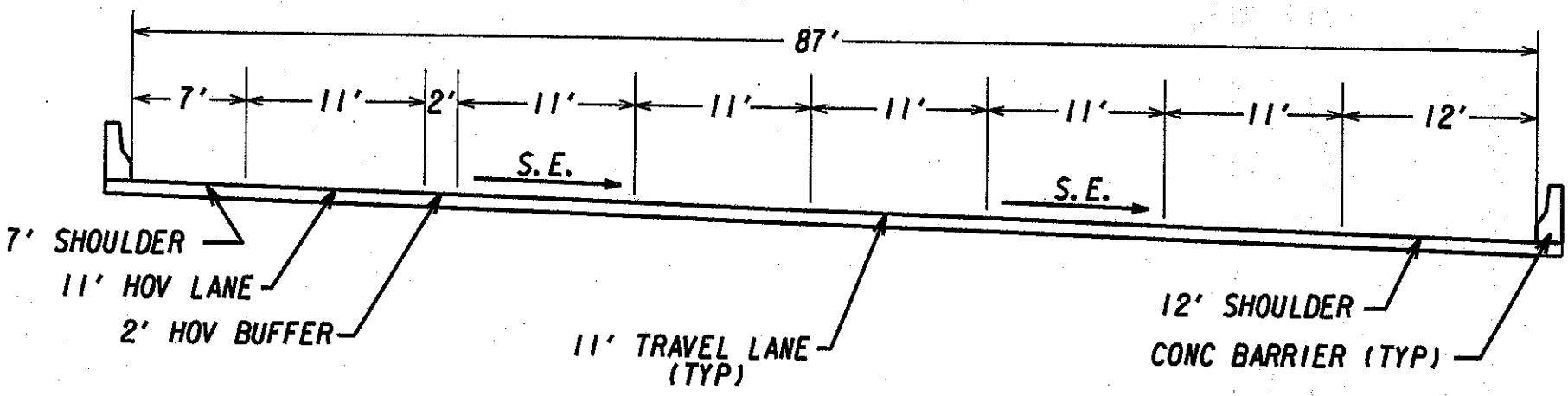
EXISTING CONDITIONS



TYPICAL SECTION

I-85 (S.R. 403) N.B.

PROPOSED CONDITIONS



TYPICAL SECTION

I-85 (S.R. 403) N.B.

ACCIDENT SUMMARIES

	2000	2001	2002
Total Accidents	88	57	81
Accidents Per 100 MVMT	181	89	127
Statewide Accidents Per 100 MVMT	196	197	204
Accident Ratio % >< statewide average	7.6%<	54.8%<	37.7%<

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 121-0551-0 **Fulton Area 7 County** SUFF. RATING: 83.0

Programming Data

201 Project No: I-ID-85-2 (88)
202 Plans Available: 1
249 Prop. Proj No:
250 Approval Status: 0000
251 P.I. No: 000000
252 Contract Date: 0000
260 Seismic No: 00000
75 Type Work: 00 0
94 Bridge Imp. Cost: $ 0
95 Roadway Imp. Cost: $ 0
96 Total Imp. Cost: $ 0
76 Imp. Length: 000000
97 Imp. Year: 0000
114 Future ADT: 242700 Year: 2018

Hydraulic Data

215 Waterway Data
Highwater Elev: 0000.0 Year: 0000
Flood Elev: 0000.0 Freq: 00
Avg. Streambed Elev: 0000.0
Drainage Area: 00000
Area of Opening: 000000
113 Scour Critical: 5
216 Water Depth: 02.7 Br Height: 51.7
222 Slope Protection: 1
221 Spur Dikes Rear: 0 Fwrd: 0
219 Fender System: 0
220 Dolphin: 0
223 Culvert Cover: 000
Type: 0
No Barrels: 0
Width: 0.0
Height: 0.0
Length: 0
Apron: 0
* 265 U/W Insp. Area: 0 Diver: ZZZ

* Location I.D. No: 121-00403D-086.78N
* XReferen I.D. No: 000-000000-000.000

Measurements

* 29 ADT: 161800 Year: 1998
109 % Trucks: 9
* 28 Lanes On: 11 Under: 15
210 No. Tracks On: 00 Under: 01
* 48 Max. Span Length: 0119
* 49 Structure Length: 4151
51 Br. Rdwy. Width: 155.9
52 Deck Width: 159.3
* 47 Tot. Horz. Cl: 76.0
50 Curb/Sdewlk Width: 0.0/0.0
32 Approach Rdwy Width: 152
* 229 Shlder Width:
Rear Lt: 6.0 Type: 2 Rt: 12.0
Fwrd Lt: 6.0 Type: 2 Rt: 10.0
Pvment Width:
Rear: 60.0 Type: 2
Fwrd: 72.0 Type: 2
Intersection Rear: 0 Fwrd: 0
36 Safety Features Br. Rail: 1
Transition: 1
App. G. Rail: 1
App. Rail End: 1
53 Minimum Cl. Over: 99' 99"
Under: H 35' 00"
* 228 Min. Vert. Cl
Act. Odm. Dir: 99' 99"
Oppo. Dir: 99' 99"
Posted Odm. Dir: 00' 00"
Oppo. Dir: 00' 00"
55 Lateral Undercl. Rt: H 2.0
56 Lateral Undercl. Lt: 0.0
* 10 Max Min Vert Cl: 99' 99" Dir: 0
39 Nav Vert Cl: 000 Horz: 0000
116 Nav Vert Cl Closed: 000
245 Deck Thickness Main: 8.5
Deck Thick Approach: 0.0
246 Overlay Thickness: 0.0
211 Tons Structural Steel: 0.0
212 Year Last Painted: Sup: 0000 Sub: 0000

Ratings

66 Inventory Type: 2 Rating: 36
64 Operating Type: 2 Rating: 51
231 Calculated Loads
H-Modified: 20 0
HS-Modified: 25 0
Type 3: 28 0
Type 3s2: 40 0
Timber: 36 0
Piggyback: 40 0
261 H Inventory Rating: 20
262 H Operating Rating: 28
67 Structural Evaluation: 7
58 Deck Condition: 7
59 Superstructure Condition: 7
* 227 Collision Damage: 0
60A Substructure Condition: 7
60B Scour Condition: 8
60C Underwater Condition: N
71 Waterway Adequacy: 9
61 Channel Protection Cond: 8
68 Deck Geometry: 7
69 UnderClr. Horz/Vert: 4
72 Appr. Alignment: 8
62 Culvert: N

Posting Data

70 Bridge Posting Required: 5
41 Struct Open, Posted, Cl: A
* 103 Temporary Structure: 0

232 Posted Loads H-Modified: 00
HS-Modified: 00
Type 3: 00
Type 3S2: 00
Timber: 00
Piggyback: 00
253 Notification Date: 0000
253 Fed Notify Date: 0000 0

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 121-0551-0 **Fulton Area 7 County** SUFF. RATING: 83.0

Location & Geography

* Structure I.D. No.: 121-0551-0
200 Bridge Information: 01

* 6A Freature Int.: SR237-RMP-2SR13RMPS-2 CS
* 6B Critical Bridge: 0
* 7A Route Number Carried: SR00403
* 7B Facility Carried: I-85
* 9 Location: 1.4 MI W OF DEKALB CO LN
2 DOT District: 7
207 Year Photo: 1999

* 91 Inspection Frequency: 24 Date: 10/12/1999
92A Fract Crit Insp Freq: 0 00 Date: 0000
92B Underwater Insp Freq: 0 00 Date: 0000
92C Other Spc. Insp Freq: 0 00 Date: 0000

* 4 Place Code: 04000

* 5 Inventory Route (O/U): 1
Type: 1
Designator: 1
Number: 00085
Direction: 0

* 16 Latitude: 33-48.7
* 17 Longitude: 84 -22.5

98 Border Bridge: 000 %Shared: 00
99 ID Number: 000000000000000

* 100 Defense Highway: 2
* 101 Parallel Structure: N
* 102 Direction of Traffic: 2
264 Road Inventory Mile Post: 029.80

* 208 Inspection Area: 07 Initials: DAS

* Location I.D. No: 121-00403D-086.78N
* XReferen I.D. No: 000-000000-000.000

* 104 Highway System: 1
* 26 Functional Classification: 11
* 204 Federal Route Type: I No: 085-2
* 110 Truck Route: 1
206 School Bus Route: 0
217 Benchmark Elevation: 0.00
218 Datum: 0
* 19 Bypass Length: 2
* 20 Toll: 3
* 21 Maintenance: 01
* 22 Owner: 01
* 31 Design Load: 6
37 Historical Significance: 5
205 Congressional District: 04
* 27 Year Constructed: 1984
106 Year Reconstructed: 0000
33 Bridge Median: 3
34 Skew: 99
35 Structure Flared: 0
38 Navigation Control: N
213 Special Steel Design: 0
267 Type of Paint: 0

* 42 Type Service On: 1
Under: 8
214 Movable Bridge: 00
203 Type Bridge: A-O-O-O
259 Pile Encasement: 3
* 43 Structure Type Main: 5 02
45 No. Spans Main: 040
44 Structure Type Appr: 0 0
46 No. Spans Appr: 0000
226 Bridge Curve Horz: 1 Vert: 1
111 Pier Protection: 0
107 Deck Structure Type: 1

108 Wearing Surface Type: 1
Membrane: 0
Protection: 1

Signs & Attachments

223 Expansion Joint Type: 06
242 Deck Drains: 3

243 Parapet Location: 0
Height: 0
Width: 0

238 Curb: 0.0 0
239 Handrail: 9 9
* 240 Median Barrier Rail: 1

241 Bridge Median Height: 0
Width: 0

* 230 Guardrail Loc Dir Rear: 6
Fwrd: 6
Oppo Dir Rear: 6
Fwrd: 6

244 Approach Slab: 3
224 Retaining Wall: 1

233 Posted Speed Limit: 55
236 Warning Sign: 0
234 Delineator: 0
235 Hazard Boards: 0

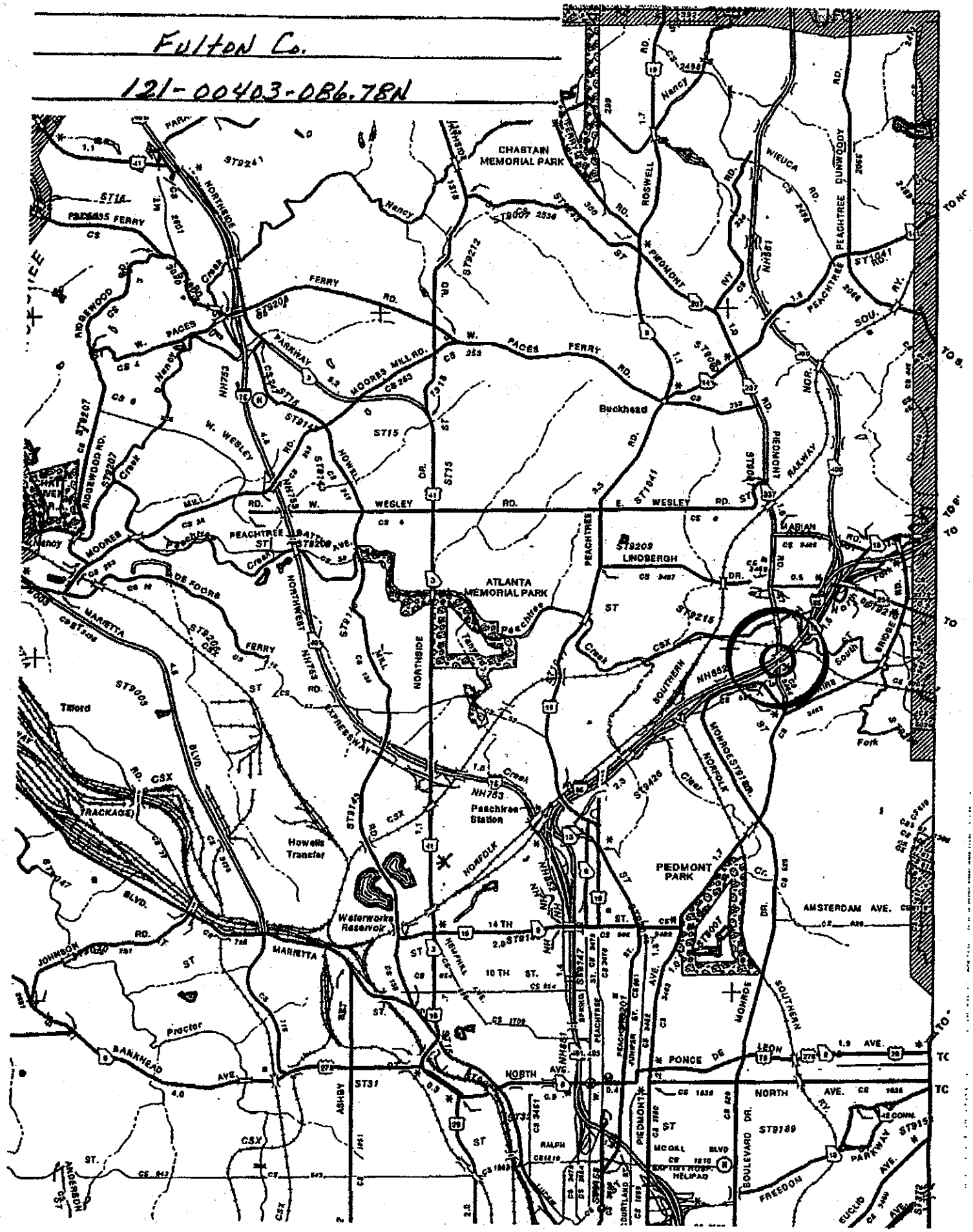
237 Utilities Gas: 00
Water: 00
Electric: 24
Telephone: 00
Sewer: 00

247 Lighting Street: 1
Navigation: 0
Aerial: 0

* 248 County Continuity No: 00

Fulton Co.

121-00403-0B6.78N



PROJECT: CSSNH-006-00(688)
I-85 / GA400 RAMP LANE ADDITION
MEETING MINUTES

1. **Mike Lobdell welcomed everyone to the meeting and everyone in the room introduced themselves.**

2. **Ted Crabtree described the existing conditions, spoke briefly on the need and purpose statement, and finished by describing in detail the proposed options.**

3. **The option recommended by design (tapered type 2 lane exit terminal) was accepted as the best of the build options.**

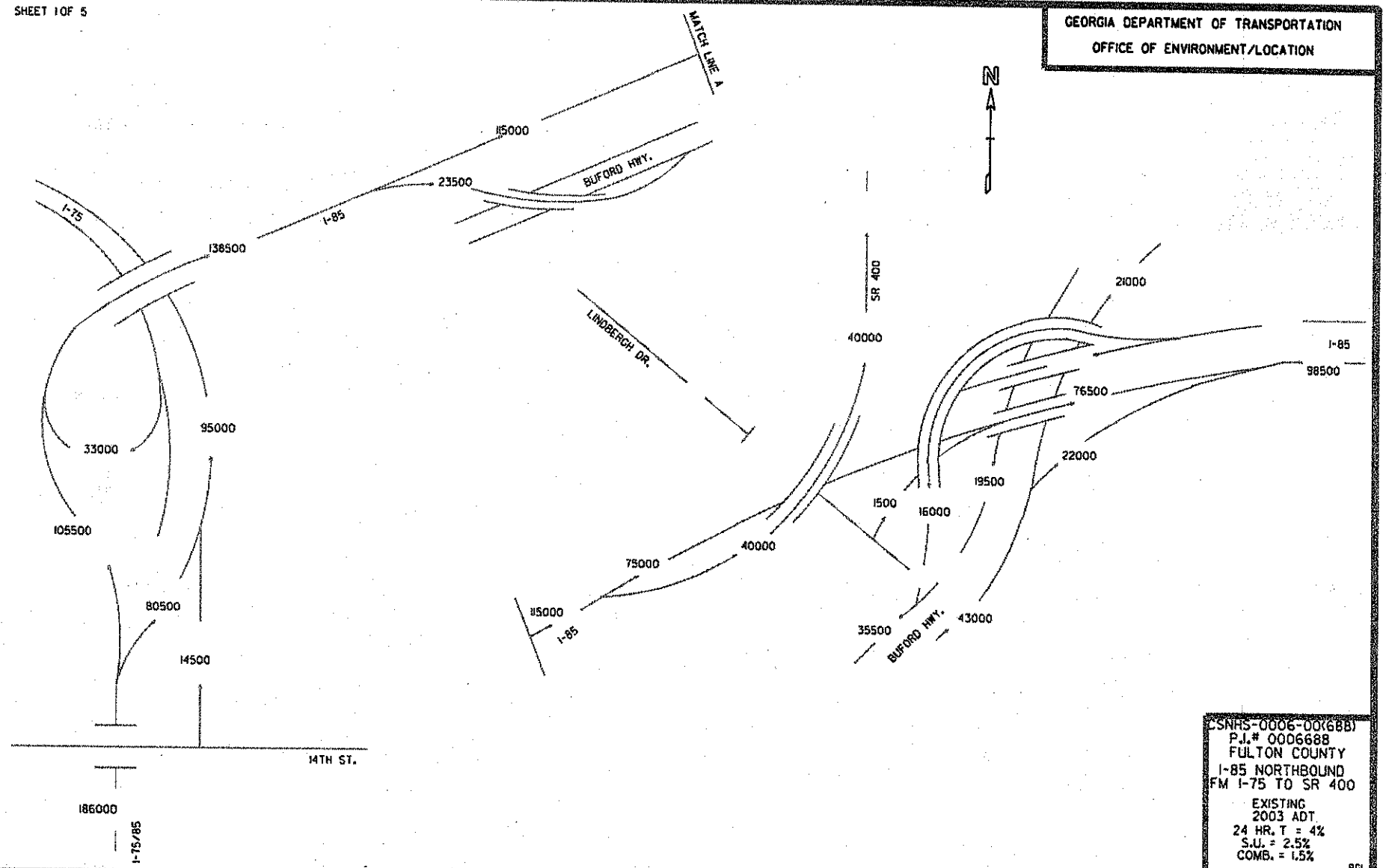
4. **Darrell Richardson (Urban Design) suggested that the existing condition may be sufficient. Ted Crabtree added that a *No Build Option* would be included with concept report.**

5. **Darrell Richardson and Walter Boyd (FHWA) both questioned why Traffic Counts were not supplied for this meeting. Ted Crabtree stated that they had been requested but were still pending.**

6. **Harry Graham (District Traffic Operations) inquired as to which locations on I-85 are the counts to be collected. Harry then recommended a list of locations. Ted Crabtree said that he would forward the additional locations to OEL.**

SHEET 1 OF 5

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF ENVIRONMENT/LOCATION



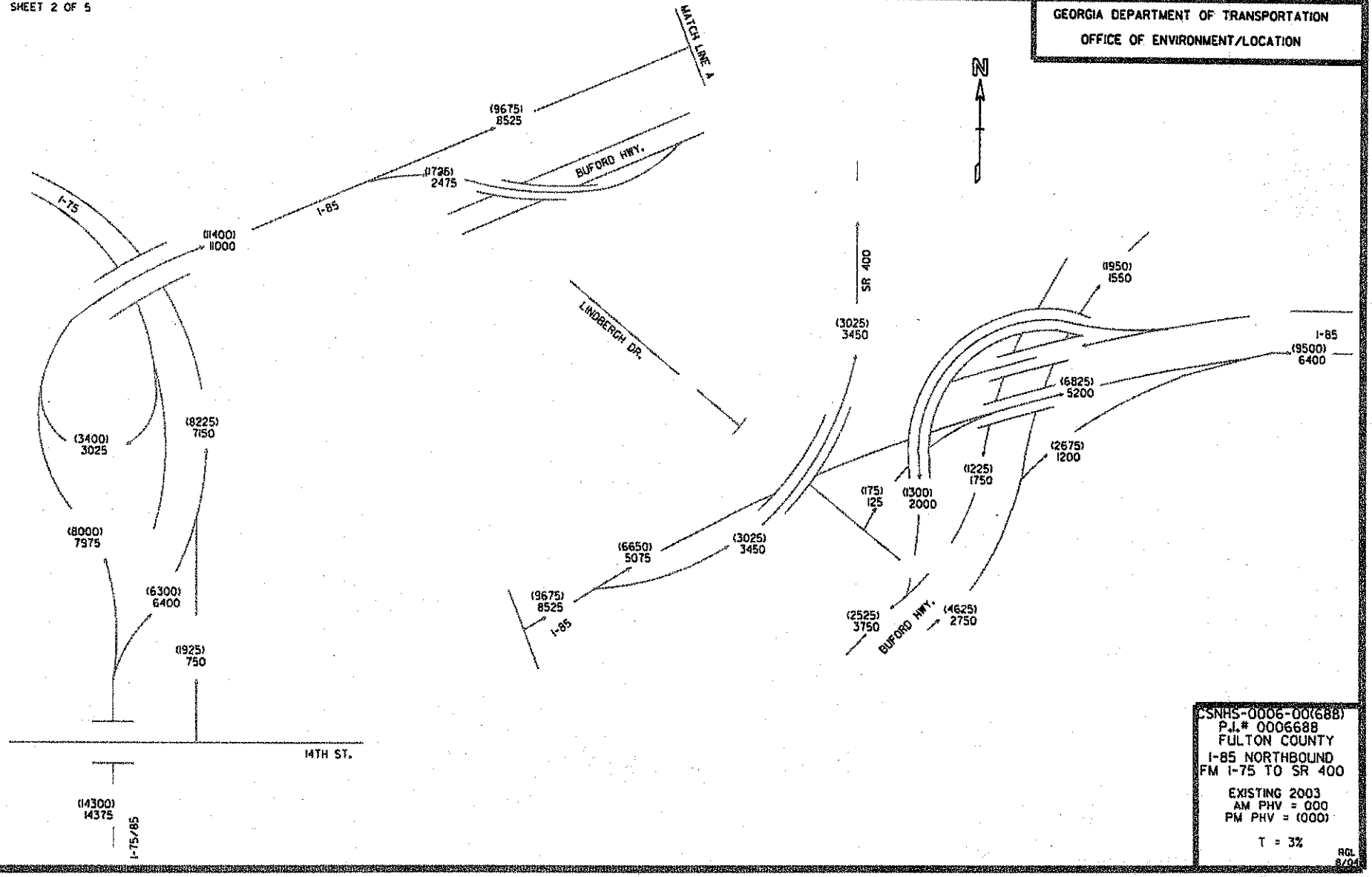
CSNHS-0006-00(688)
P.I.# 0006688
FULTON COUNTY
I-85 NORTHBOUND
FM I-75 TO SR 400

EXISTING
2003 ADT
24 HR. T = 4%
S.U. = 2.5%
COMB. = 1.5%

RGL
8/04

SHEET 2 OF 5

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF ENVIRONMENT/LOCATION



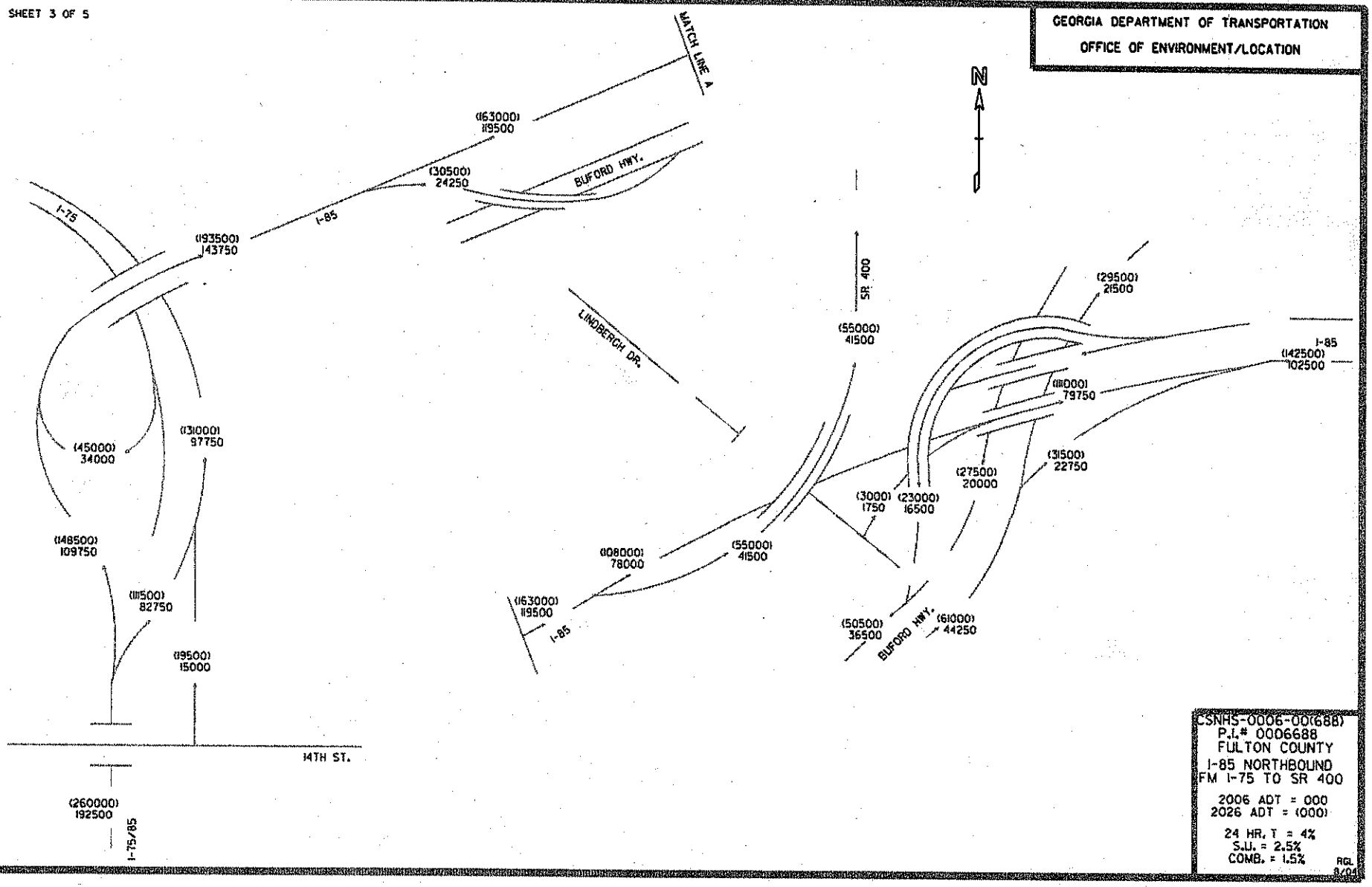
CSNHS-0006-00(688)
P.I.# 0006688
FULTON COUNTY
I-85 NORTHBOUND
FM I-75 TO SR 400

EXISTING 2003
AM PHV = 000
PM PHV = (000)

T = 3%

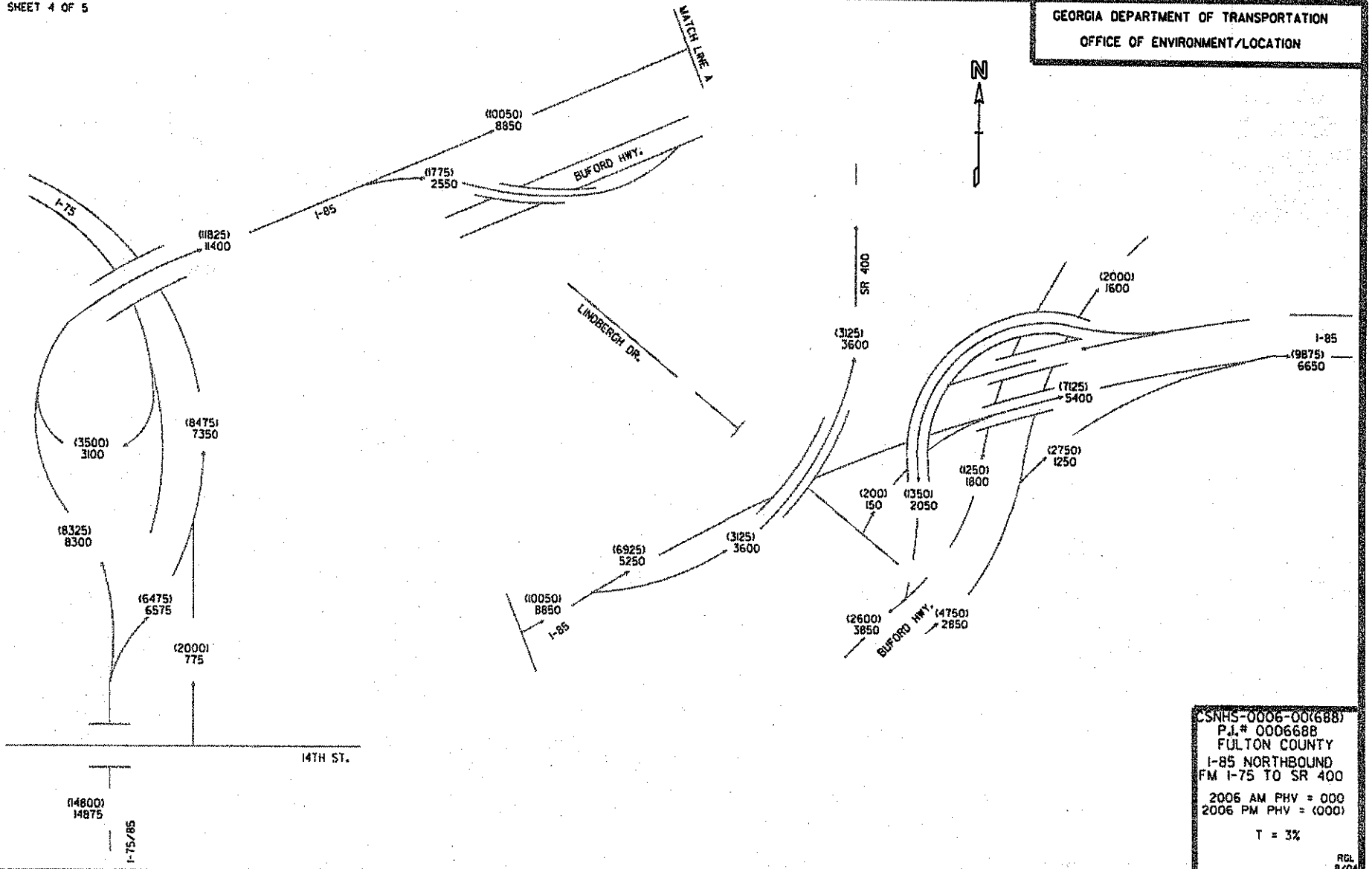
RGL
8/04

SHEET 3 OF 5


GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF ENVIRONMENT/LOCATION
N
MATCH LINE A
(163000)
119500
(30500)
24250
BUFORD HWY.
I-85
I-75
(193500)
143750
(45000)
34000
(131000)
97750
(148500)
109750
(111500)
82750
(89500)
15000
14TH ST.
(260000)
192500
I-75/85
SR 400
LINDBERGH DR.
(55000)
41500
(29500)
21500
I-85
(142500)
102500
(118000)
79750
(31500)
22750
(27500)
20000
(3000)
1750
(23000)
16500
(108000)
78000
(55000)
41500
(163000)
119500
I-85
(50500)
36500
BUFORD HWY.
(61000)
44250
CSNHS-0006-00(688)
P.I.# 0006688
FULTON COUNTY
I-85 NORTHBOUND
FM I-75 TO SR 400
2006 ADT = 000
2026 ADT = (000)
24 HR. T = 4%
S.U. = 2.5%
COMB. = 1.5%
RGL
8/04

SHEET 4 OF 5

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF ENVIRONMENT/LOCATION



CSNHS-0006-00(688)
P.I.# 0006688
FULTON COUNTY
I-85 NORTHBOUND
FM I-75 TO SR 400

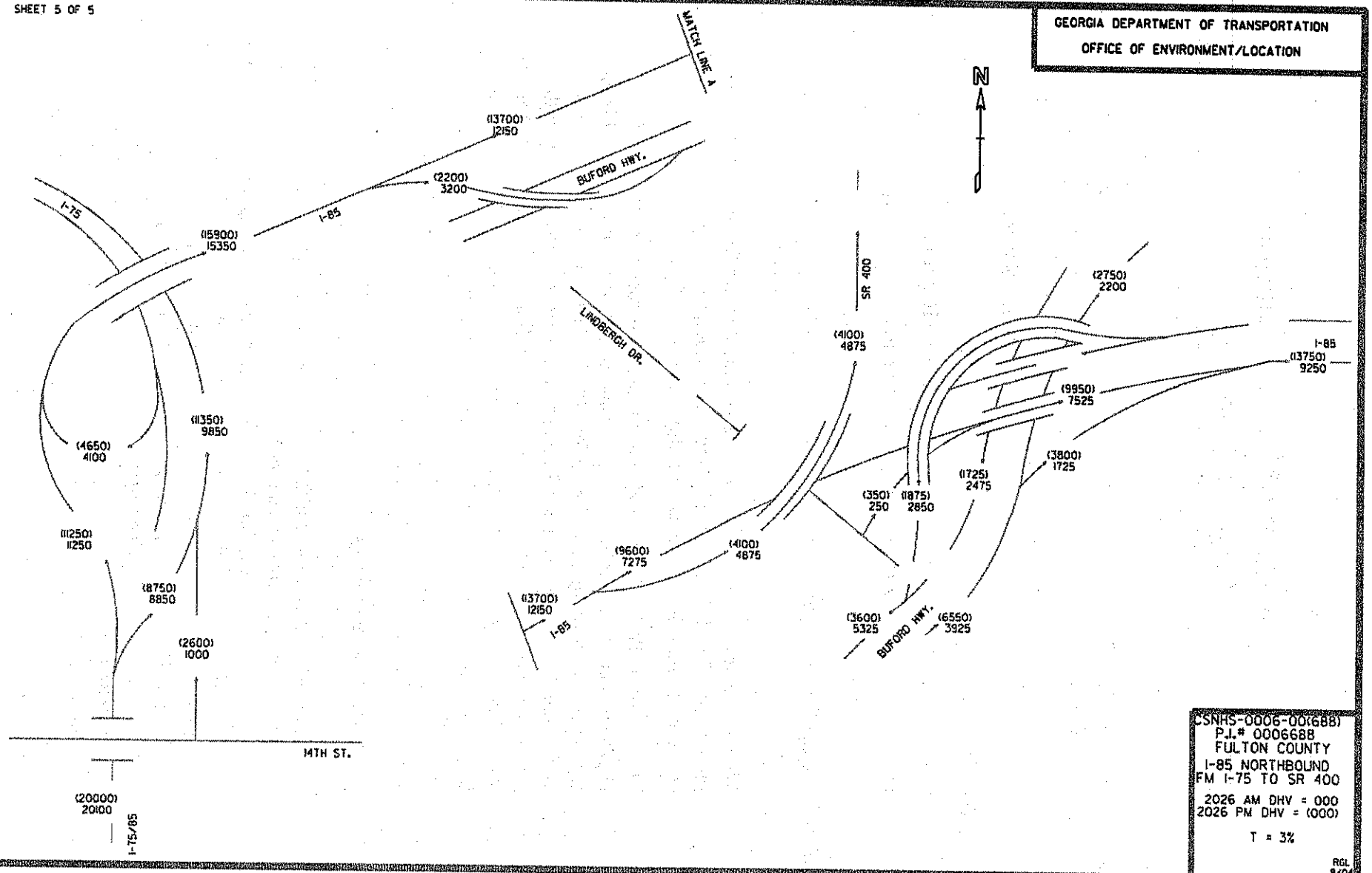
2006 AM PHV = 000
2006 PM PHV = (000)

T = 3%

RGL
8/04

SHEET 5 OF 5

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF ENVIRONMENT/LOCATION



CSNHS-0006-00(688)
P.I.# 0006688
FULTON COUNTY
I-85 NORTHBOUND
FM I-75 TO SR 400

2026 AM DHV = 000
2026 PM DHV = (000)

T = 3%

RGL
8/04

Department of Transportation
State of Georgia

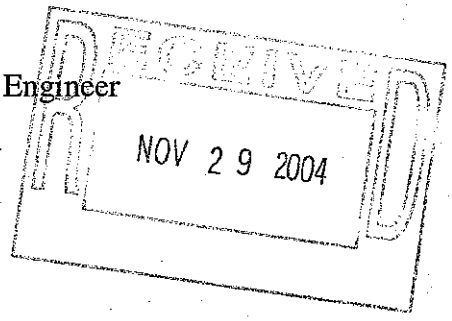
INTERDEPARTMENTAL CORRESPONDENCE

File: CSNHS-0006-00(688), Fulton County
P.I. No. 0006688

Office: Traffic Safety & Design
Atlanta, Georgia

Date: November 15, 2004

PMA4C



From: Phillip M. Allen, State Traffic Safety and Design Engineer

To: Meg Pirkle, Assistant Director of Preconstruction

Subject: Project Concept Report Review

We have reviewed the above referenced concept report for the widening of the Interstate 85/State Route 403 northbound viaduct, to provide a dedicated exit lane onto State Route 400 NB, in Fulton county.

The Office of Traffic Safety and Design finds this report satisfactory for approval because it will improve safety and traffic operations within this area. However, we recommend adding a SR 400 'EXIT ½ MILE' interstate sign during the design phase as part of this project. Also consider extending the project an additional 850' to make the new parallel deceleration lane ½ mile long, allowing for the overhead sign to read 'EXIT ONLY'. This additional length would address the operation of the interchange with future traffic demand.

PMA/SZ/NR

Attachment (signature page)

Cc: Harvey Keepler, State Environment /Location Engineer
Buddy Gratton, District Engineer
Attn: Mike Lobdell, District Preconstruction Engineer
David Mulling, State Review Engineer, w/ attachment
Joe Palladi, State Transportation Planning Administrator
Jamine Simpson, Financial management Administrator
Paul Liles, State Bridge Engineer
General Files
Office Files

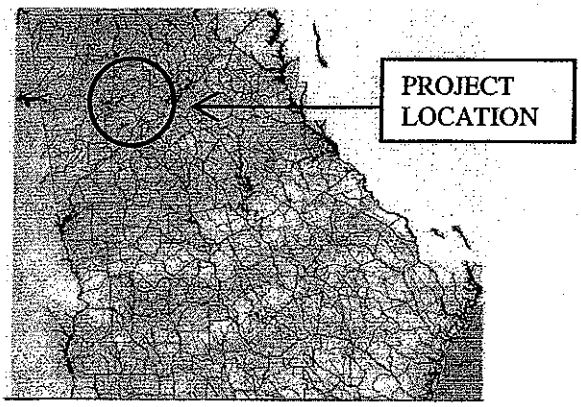
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

DISTRICT 7

PROJECT CONCEPT REPORT

Project Number: CSNHS-0006-00(688)
County: FULTON
P. I. Number: 0006688

Federal Route Number: I-85
State Route Number: S.R. 403



Recommendation for approval:

DATE 11/5/04 _____ Project Manager

DATE 11/5/04 _____ 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 the State Transportation Improvement Program (STIP).

DATE _____ _____ State Transportation Planning Administrator

DATE _____ _____ State Transportation Programming Engineer

DATE _____ _____ State Environmental/Location Engineer

DATE 11/19/04 _____ State Traffic Safety & Design Engineer

DATE _____ _____ Project Review Engineer

DATE _____ _____ State Bridge Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: **P.I. Nos. 0006688** **OFFICE:** Environment/Location

DATE: November 18, 2004

FROM: Harvey D. Keepler, State Environmental/Location Engineer

TO: Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

SUBJECT: **PROJECT CONCEPT REPORT**
CSNHS-0006-00(688) / Fulton County
I-85 NB Viaduct @ GA 400 NB – Exit Lane

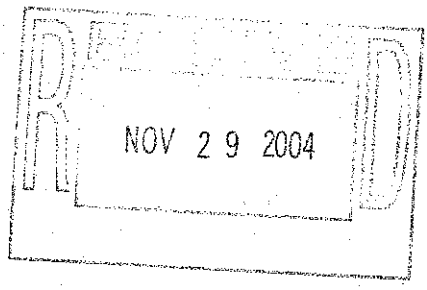
The above subject concept report has been reviewed. This Office has no comment at this time.

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

HDK/lc

Attachment

cc: David Mulling, Project Review Engineer
Buddy Gratton, P.E., District Engineer



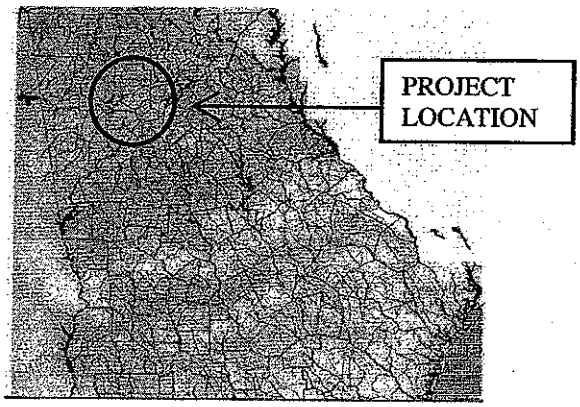
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

DISTRICT 7

PROJECT CONCEPT REPORT

Project Number: CSNHS-0006-00(688)
County: FULTON
P. I. Number: 0006688

Federal Route Number: I-85
State Route Number: S.R. 403



Recommendation for approval:

DATE 11/5/04 _____
Project Manager

DATE 11/5/04 _____
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 the State Transportation Improvement Program (STIP).

DATE _____ _____
State Transportation Planning Administrator

DATE _____ _____
State Transportation Programming Engineer

DATE 11. 17. 04 _____
State Environmental/Location Engineer

DATE _____ _____
State Traffic Safety & Design Engineer

DATE _____ _____
Project Review Engineer

DATE _____ _____
State Bridge Engineer

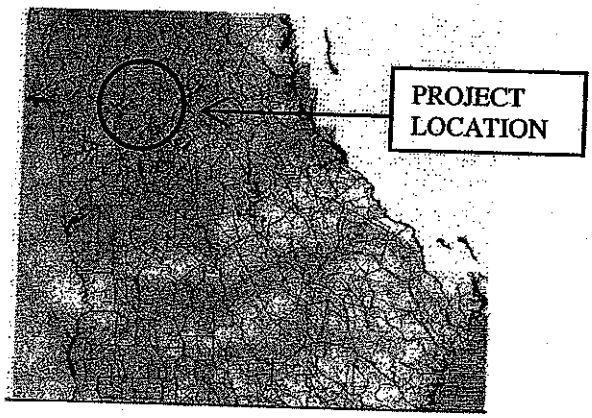
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

DISTRICT 7

PROJECT CONCEPT REPORT

Project Number: CSNHS-0006-00(688)
County: FULTON
P. I. Number: 0006688

Federal Route Number: I-85
State Route Number: S.R. 403



Recommendation for approval:

DATE 11/5/04 _____
Project Manager

DATE 11/5/04 _____
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 the State Transportation Improvement Program (STIP).

DATE _____ _____
State Transportation Planning Administrator

DATE 11-12-04 _____
State Transportation Programming Engineer

DATE _____ _____
State Environmental/Location Engineer

DATE _____ _____
State Traffic Safety & Design Engineer

DATE _____ _____
Project Review Engineer

DATE _____ _____
State Bridge Engineer