

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

MAR 11 2002

INTERDEPARTMENT CORRESPONDENCE

FILE: STP-0004-00(166) Fulton County
P.I. No.: 0004166
SR 3/Northside Drive @ CS 53/Collier Road;
CS 364; 38; 6; 135
Safety/Intersection Improvements

OFFICE: Traffic Operations
Atlanta, Georgia

DATE: March 7, 2002

Phillip M. Allen
FROM: Phillip M. Allen, State Traffic Safety & Design Engineer

TO: Steve Henry District Engineer, Chamblee
Attn: Mike Malcolm

SUBJECT: APPROVED CONCEPT REPORT

Attached is a copy of the approved concept report on the above listed project for your use and further handling.

This project consists of converting the reversible lane section on SR 3/Northside Drive from Collier Road to Arden Road to a two-way left turn lane. Curb and gutter, 5-foot sidewalk and pedestrian facilities are also proposed. The existing signalized intersections will be upgraded to include protective/permissive left turn signals with the exception of the SR 3 at Collier Road intersection.

By copy of this letter, this office is requesting for this project be assigned to Chuck Hasty as Project Manager. The design of this project will be handled under our Consultant Design Contract, STP-0001-00(853).

Should you have any questions, please contact Ken Werho of this office at 404-635-8144.

PMA:KPW:kms

Attachments

cc: Frank Danchetz
Tom Turner, w/attach.
David Mulling, w/attach.
Wayne Hutto, w/attach.
Herman Griffin, w/attach.
Harvey Keepler, w/attach.
Yancy Bechmann, w/attach.
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

FULTON COUNTY

STP-0004-00(166)

FEDERAL ROUTE NO: 41

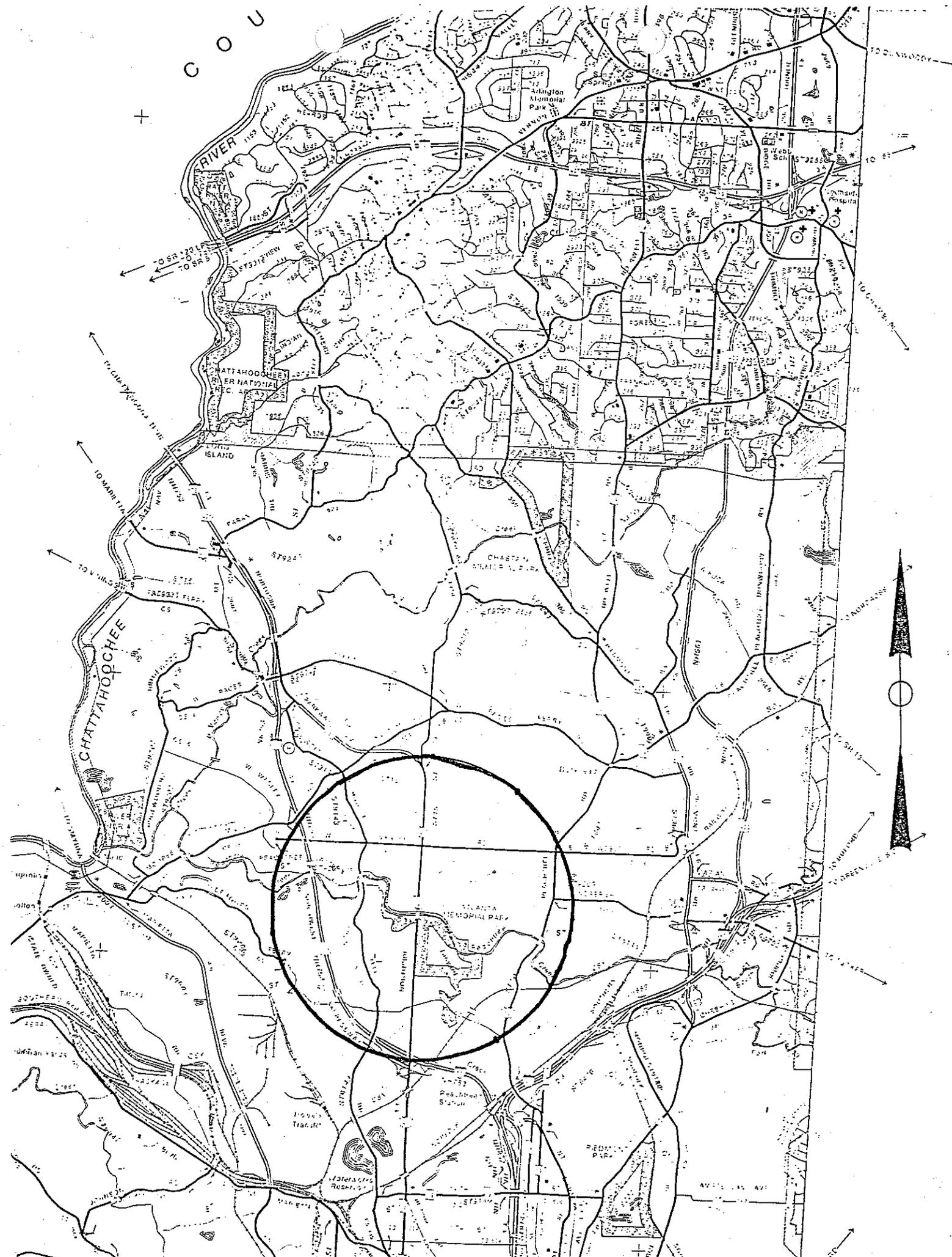
STATE ROUTE NO: 3

GADOT P.I. NO: 0004166

SEE ATTACHED
LOCATION SKETCH

Date of Report: August 31, 2001

RECOMMENDED:	<u>August 31, 2001</u>	<u>Merion Skilton</u>
	DATE	STATE TRAFFIC OPERATIONS ENGINEER
RECOMMENDED:	<u>9-26-01</u>	<u>Stephen T. Henry</u>
	DATE	DISTRICT ENGINEER
RECOMMENDED:	<u>10/10/01</u>	<u>Mike Landry</u>
	DATE	CHIEF ENGINEER
APPROVED:	_____	<u>Tom Colup</u>
	DATE	COMMISSIONER



COU

CHATTAHOOCHEE RIVER

CHATTAHOOCHEE RIVER NATIONAL REC. AREA

LONG ISLAND

CHATTAHOOCHEE

ATLANTA MEMORIAL PARK



PROJECT CONCEPT REPORT

P.I. No.: 0004166

Project No.: STP-0004-00(166) Fulton County

Route No.: SR 3/US41/ Northside Drive
I-75 Northbound Ramp
CS 53/Collier Road
CS 364/Woodward Way
CS 38/Peachtree Battle Ave
CS 6/West Wesley Road
CS 135/Arden Road/Castlewood Drive

Location: SR 3/ Northside Drive is located off of I-75 North at Exit 252A and runs north to Arden Road approximately 2.25 miles.

Description: This project consists of converting the reversible lane section on SR 3/ Northside Drive from I-75 to Arden Road to a two-way left turn lane. Curb and gutter, 5-foot sidewalk and pedestrian facilities are also proposed. The existing signalized intersections will have dedicated left turn lanes with the exception of the SR 3 at Collier Road intersection.

<u>Traffic – Current ADT:</u>	SR 3/ Northside Dr. from I-75 to Collier Road	27,000 (2000 ADT)
	SR 3/ Northside Dr. from Collier Road to West Wesley Rd	17,000 (2000 ADT)
	SR3/Northsie Dr. from West Wesley Rd. to Arden Rd.	14,000 (2000 ADT)
	CS 53/Collier Road	10,100 (1999 ADT)
	CS 364/Woodward Way	1,550 (1999ADT)
	CS 38/Peachtree Battle Ave	8,180 (1999 ADT)
	CS 6/West Wesley Road	8,180 (1999 ADT)
	CS 135/Arden Road	1,550 (1999 ADT)

Existing Typical: SR 3/ Northside Drive: 2 10-foot travel lanes, one in each direction, with a 10-foot reversible lane and granite curb operating on a rolling alignment. There is existing sidewalk located on the north end of project on the east side of SR 3.

<u>Existing Right of Way:</u>	SR 3	100' (Estimated)
	CS 53/Collier Road	60' (Estimated)
	CS 364/Woodward Way	60' (Estimated)
	CS 38/Peachtree Battle Ave	60' (Estimated)
	CS 6/West Wesley Road	60' (Estimated)
	CS 135/Arden Road	50' (Estimated)

Existing Traffic Control: SR 3 has 6 stop and go traffic signals. The remaining city streets have stop sign control with stop bars.

Existing Major Structures: None.

Statement of Need & Purpose: Accident history for SR 3 shows an average of 12 accidents per year per intersection on this corridor. Analysis of traffic operational conditions on SR 3 revealed the high volume of traffic and the lack of proper lane configuration caused congestion at several intersections along this corridor. To address these issues it is recommended to remove the existing reversible lane in this corridor and re-stripe the existing pavement for a two-way left turn lane. Left turn lanes will be provided at all signalized intersections on SR 3, except on SR 3 at Collier Road. Left turns will be protected-only by signal phasing where sight distance from stop bar is inadequate. Existing curb and gutter will be removed and replaced with new curb and gutter and sidewalk throughout the project limits. To improve the safety and orderly progression of traffic through the intersections, these improvements are recommended.

Bicycle & Pedestrian Considerations: None.

Length: 2.25 miles

Termini:	- SR 3 -	- CR 53 -	- CS 364 -	- CS 38 -	- CS 6 -	- CS 135 -
From M.P.:	11.85	2.24	12.97	13.21	13.53	13.97
To M.P.:	13.99	2.27	13.00	13.24	13.56	14.00

PDP Class: Minor Existing

Functional Class:	SR 3/ Northside Drive -----	Rural Minor Arterial
	CS 53/Collier Road -----	Rural Minor Collector
	CS 364/Woodward Way -----	Rural Minor Collector
	CS 38/Peachtree Battle Ave -----	Rural Minor Collector
	CS 6/West Wesley Road -----	Rural Minor Collector
	CS 135/Arden Road -----	Rural Minor Collector

Max Degree of Curve: +/- 1 Degrees

Max Grades: +/- 2 Degrees

Design Speed: 35 mph.

Proposed Typical Section: SR 3/ Northside Drive: 2 10-foot travel lanes, one in each direction, with a 10-foot two-way left turn lane.

Proposed major structures: None.

Type Access: By Permit.

Traffic Control During Construction: Existing operation shall be maintained during construction.

Right-of-Way Requirement: Fulton County shall be responsible for the acquisition of all required right-of-way for this project.

Utilities: Fulton County shall be responsible for all Utility adjustments.

Estimated Cost:

<u>Item</u>	<u>Total Amount</u>
R/W -----	\$ 808,200 (By County LGPA)
Utilities -----	\$ 0 (By County LGPA)
Estimated LGPA Total -----	\$ 808,200
Construction -----	\$ 2,125,000
Traffic Signal -----	\$ 375,000
Railroad Equipment -----	\$ 0
E & C 10% -----	\$ 250,000
Total Construction -----	\$ 2,750,000

Permits Required: None

Level of Environmental Analysis: Categorical Exclusion.

Level of Public Involvement: None.

Time Saving Procedures Appropriate: Yes (X) No ()

Design Variances Required: None.

Alternates Considered: None.

Comments:

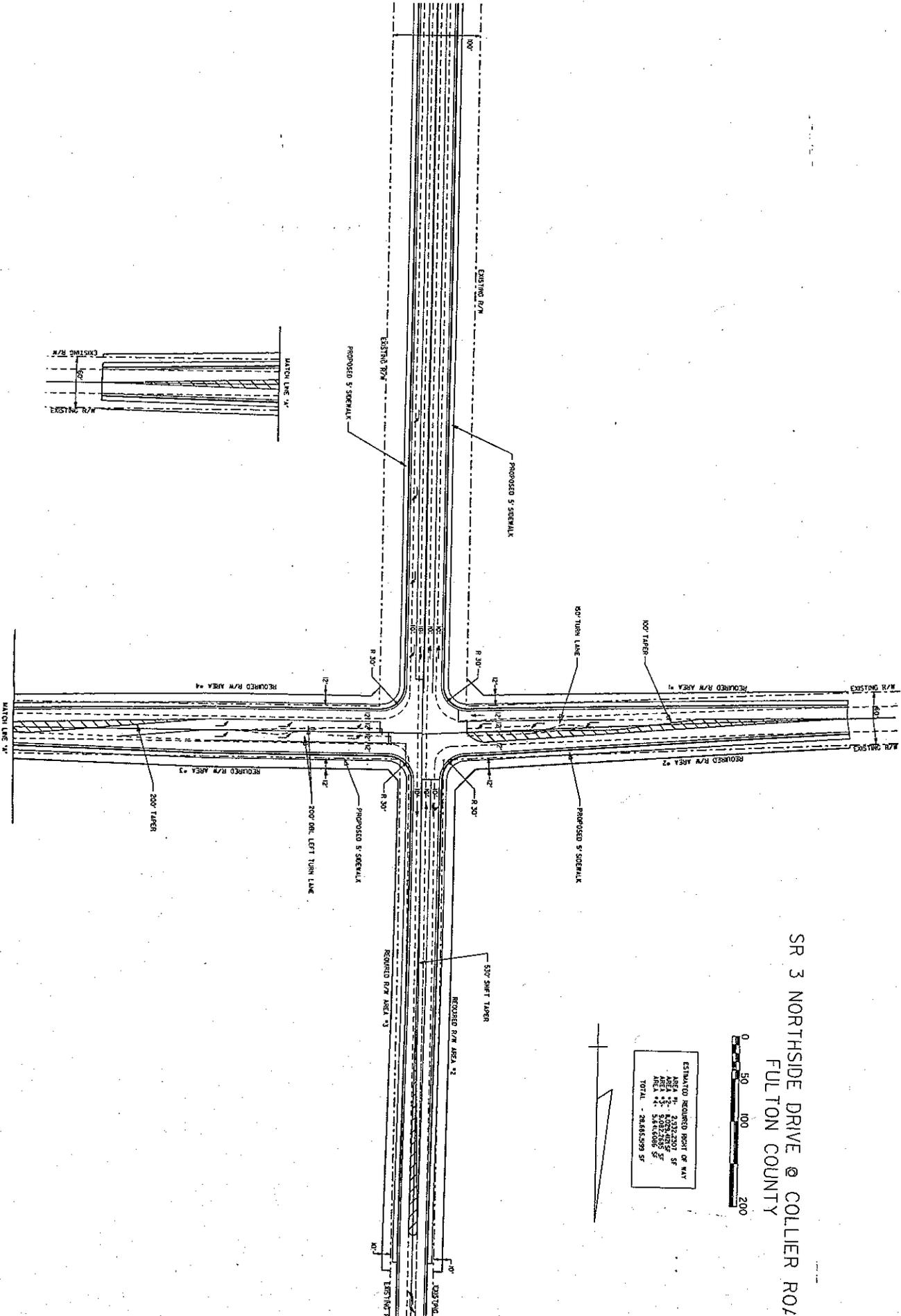
Prepared By:

Kevin Stefanik

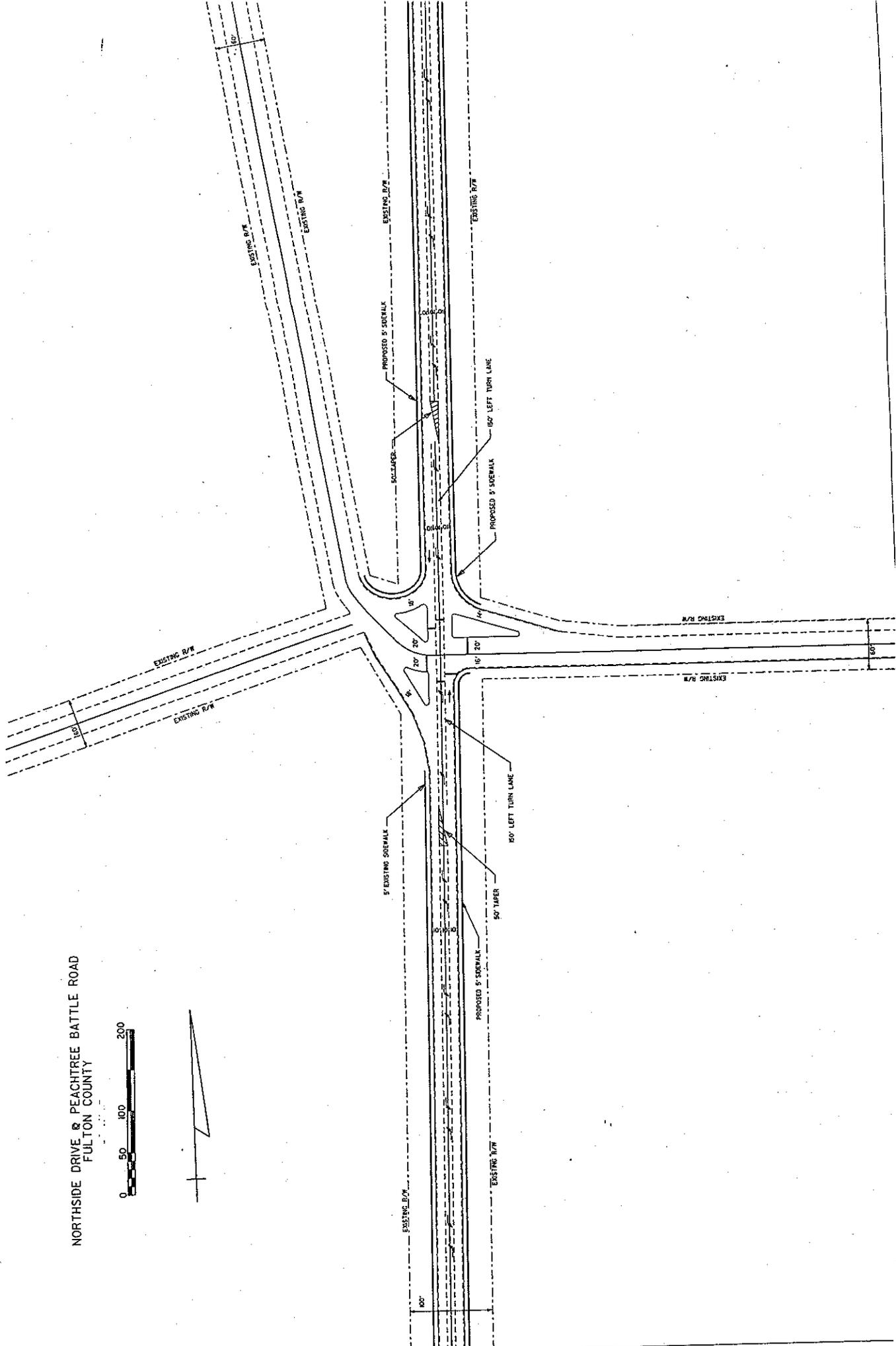
SR 3 NORTHSIDE DRIVE @ COLLIER RD
 FULTON COUNTY



ESTIMATED REQUIRED RIGHT OF WAY	
AREA #1	1,000,000 SF
AREA #2	5,000,000 SF
AREA #3	5,000,000 SF
AREA #4	5,000,000 SF
TOTAL	26,000,000 SF



NORTHSIDE DRIVE & PEACHTREE BATTLE ROAD
FULTON COUNTY



NORTHSIDE DRIVE @ WEST WESLEY
FULTON COUNTY

