

ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-0000-00(422) Glynn County **OFFICE** Preconstruction
P.I. No. 0000422
CWH **DATE** April 2, 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 Keeper
Jerry Hobbs
Herman Griffin
Michael Henry
Marion Waters
Marta Rosen
Paul Liles
Jimmy Chambers (ATTN: Ted Cashin)
Gary Priester
Jim Kennerly

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-0000-00(422) Glynn County **OFFICE** Preconstruction
P.I. No. 0000422
C. W. Hutto **DATE** March 27, 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 widening and reconstruction of SR 99 from I-95 to US 17/SR 25 for a total of 1.03 miles. Existing SR 99 consists of two, 14' through lanes in each direction with rural shoulders on 100' of existing right-of-way. In the area served by the project, a proposed 1,900 acre wildlife park is currently being developed by Parks and Wildlife Services that is ultimately expected to become the fifth largest employer in Brunswick. The park will consist of 700 acres east of I-75 and 1,200 acres west of I-75 where animals can freely roam. The first phase of the park is scheduled to open in May 2001. Studies performed by the park's developer estimate that the park could expect 450,000 visitors in its first year of operation, and up to 1.3 million after it is completed in 2011.

The year 2000 volume on SR 99 between SR 99 and US 17/SR 25 ranges from 2,500 to 3,200 VPD, resulting in a Level of Service (LOS) of "B." The projected year 2020 volumes on SR 99 range from 17,000 to 35,000 VPD. Without the proposed improvements, traffic on SR 99 in the project area will operate at a LOS "F." Widening SR 99 to four lanes will improve operating conditions to LOS "B."

The construction proposes to widen SR 99 to provide four, 12' lanes with a 20' raised median and rural shoulders from I-95 to Petersville Road. From Petersville Road to US 17/SR 25 it will transition to a four lane urban section with a 10' raised median to minimize impacts to a cemetery and existing residences. The proposed design speed is 45 MPH and access will be by permit.

Environmental concerns include requiring a COE 404 Permit; an Environmental Assessment will be prepared; a public hearing will be held; time saving procedures are not appropriate.

Frank L. Danchetz

Page 2

STP-0000-00(422) Glynn

March 27, 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)	\$2,320,000	\$8,320,000	LR	LR
Right-of-Way & Utilities*	Local	Local		

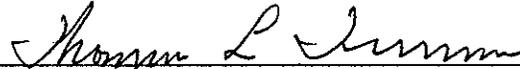
*Glynn County signed LGPA on 2-3-00 for PE, right-of-way, and utilities.

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

CWH:JDQ/cj

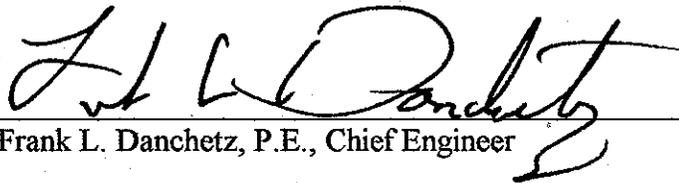
Attachment

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-0000-00(422) Glynn
P.I. Number 0000422

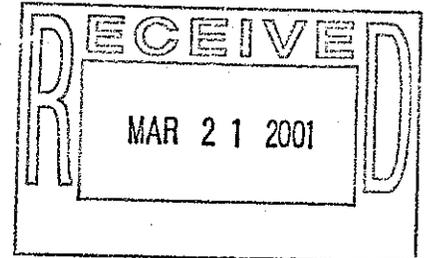
OFFICE: Atlanta, Georgia

DATE: March 21, 2001

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 March 14, 2001 by the letter from James A. Kennerly dated March 8, 2001, and have the following comments:

1. The estimated costs of right of way and reimbursable utilities were not provided.

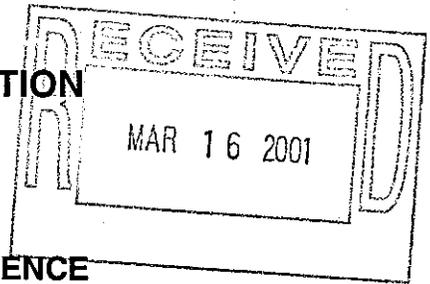
The costs for the project are:

Construction	\$1,917,000
Inflation	\$ 192,000
E&C	\$ 211,000
Reimbursable Utilities	\$?
Right of Way	\$?

DTM

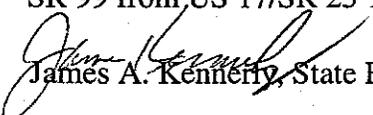
c: Jim Kennerly

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENTAL CORRESPONDENCE

FILE STP-0000-00(422) Glynn County **OFFICE** Atlanta, Georgia
P. I. No. 000042 ✓
SR 99 from US 17/SR 25 To I-95 **DATE** March 8, 2001

FROM  James A. Kennerly, State Road & Airport Design Engineer

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT PROJECT CONCEPT REPORT

Attached is the original copy of the Project Concept Report for your review and further handling for approval in accordance with the PDP. This project is for the widening of SR 99 from US 17/SR 25 to I-95. This project is located on SR 99 beginning at its intersection with US 17/SR 25 and extending approximately 1.02 miles north to the I-95 northbound ramps for a total distance of 1.02 miles

Should you have any questions or need any additional information, please contact Robert Reid at (404)657-9192.

JAK:RLR:lc

Attachments

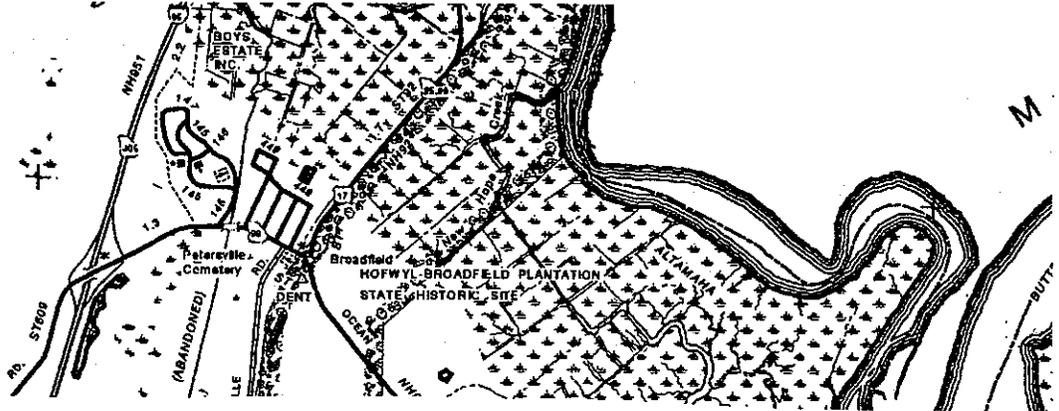
cc: Tom Turner
Marta Rosen, w/att.
Herman Griffin, w/att.
Harvey Keepler, w/att.
Marion Waters, w/att.
Gary Priestler, w/att.
David Mulling, w/att.
Paul Liles, w/att.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT
STP-0000-00(422)
Glynn County
P.I. No.: 0000422

U. S. Route No.: None
State Route No.: SR 99

Improvements To SR 99 From Interstate 95 to US 17



RECOMMENDATION FOR APPROVAL:

3-7-01

Date

James A. Simpson Jr.
Project Manager

3-13-01

Date

John A. Kennedy
Road and Airport Design Engineer

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

Date

State Transportation Planning Administrator

Date

State Transportation Programming Engineer

Date

State Environmental/Location Engineer

Date

State Traffic Operations Engineer

Date

District Engineer

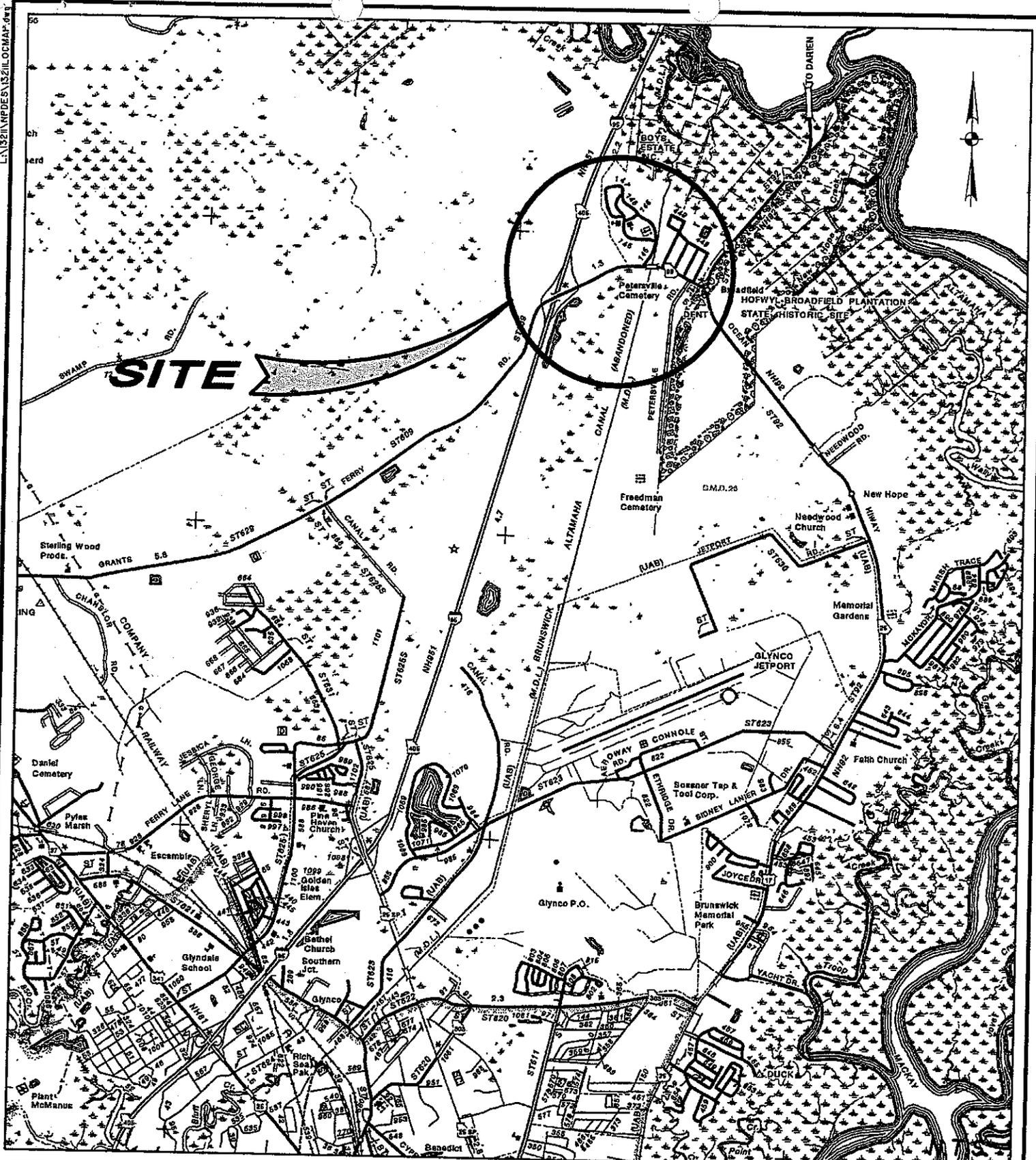
Date

Project Review Engineer

Date

State Bridge & Structural Design Engineer

LA 1321 NP DES 13211 OC MAP 6-47



PROJECT LOCATION MAP

S.R. 99 CONCEPT REPORT: STP-0000-00(422)
P.I. NUMBER: 000422

DATE: FEBRUARY 26, 2001
SHEET 1 OF 1

SCALE:
N.T.S

SOURCE: THOMAS & HUTTON ENGINEERING CO.

PROPOSED ACTIVITY:
S.R. 99 CONCEPT REPORT

COUNTY:
GLYNN COUNTY, GEORGIA

NEED AND PURPOSE

Background

Project STP-0000-00(422) consists of the widening and improvement of State Route (SR) 99 in Glynn County. In this project, the existing two-lane facility is proposed to be widened to a four-lane divided roadway. The western terminus of this project is Interstate 95. The eastern terminus is US 17/SR 25, where SR 99 ends. Within the project area, SR 99 is functionally classified as a rural major collector.

The length of the proposed project is approximately one mile and would widen the existing two-lane roadway to four lanes. It will include a 20 foot raised median and a 12 foot outside shoulder (6.5 feet paved, 5.5 feet grassed) on each side, except between Petersville Road and US 17/SR 25 where the four lanes will be built as an urban section with a 10 foot raised median.

The project is identified and included in the Brunswick Area Transportation Study's 1995-2020 Long Range Transportation Plan, which was adopted in October, 1997.

The project corridor is primarily undeveloped forest land and rural residential. In the area served by the project, a proposed 1,900 acre wildlife park is currently being developed by Parks and Wildlife Services that is ultimately expected to become the fifth largest employer in Brunswick. The park will consist of 700 acres east of I-95 and 1,200 acres west of I-95 where animals can freely roam. The 700 acres on the east side of I-95 is bounded by SR 99 to the north, I-95 to the west, and US 17/SR 25 on the east. The first phase of the park, which is expected to generate 500 permanent jobs in its first five years and 1,400 in the second five-year phase, is scheduled to open in May 2001. Studies performed by the park's developer estimate that the park could expect 450,000 visitors in its first year of operation, and up to 1.3 million after it is completed in 2011.

Travel Demand

The year 2000 volume on SR 99 between I-95 and US 17/SR 25 ranges from 2,500 AADT to 3,200 AADT, resulting in an average Level of Service (LOS) of "B". The projected future (year 2020) volumes for this same section of SR 99 ranges from 17,100 to 35,000 AADT according to traffic volume projections provided by Transportation Planners-Engineers, Inc., of Jacksonville, Florida.

Without the proposed improvements, traffic on SR 99 in the project area will operate at a LOS "F". Widening SR 99 to four-lanes will improve operating conditions to LOS "B".

Safety

Complete accident data for this project was collected for the years 1995, 1996 and 1997. The accident rates and the injury rates for this section of SR 99 are significantly higher than the statewide average. The proposed project should improve the safety on SR 99 in the project area.

	1995	1996	1997
Total Accidents	10	8	3
Accident Rate (per million vehicle miles traveled)	767	550	222
Statewide Average Accident Rate	193	201	194
Total Injuries	6	2	0
Injury Rate (per million vehicle miles traveled)	460	138	0
Statewide Average Injury Rate	122	122	112
Total Fatalities	0	0	0
Fatality Rate (per million vehicle miles traveled)	0	0	0
Statewide Average Fatality Rate	3.40	3.67	3.62

Other

The project is not on a route designated in the GDOT Statewide Bicycle & Pedestrian Plan. SR 99 provides access for northeastern Glynn County to I-95 and the designated Hurricane Evacuation Routes of US 341/ US 25, SR 32 and US 82/SR 520.

There are several other proposed projects in the area:

Project Type	Project Number	P.I. Number	Limits	Construction Year
SR 99 Widening/ Reconstruction	STP-0001-00(036)	0001036	US 341 TO I-95	Long Range
I-95 Widening/ Reconstruction	NH-IM-95-1(117)	511100-	US 341 to McIntosh County Line	2007
SR 25 Widening	STP-0001-00(039)	0001039	Altamaha Blvd to SR 99	2003
SR 25 Spur Widening	STP-0000-00(421)	0000422	Along Canal Rd/CR 588 From Cate Rd to SR 99	Long Range

PROJECT DESCRIPTION

Project STP-0000-00(422) Glynn County is the proposed widening of SR 99 from I-95 to SR 25/US 17 to accommodate the proposed development by Parks and Wildlife Services (PAWS) of a wildlife preserve theme park. The proposed project length is 1.02 miles. The project is currently programmed for Long Range construction and any required right of way will be acquired by Glynn County through a Local Government Project Agreement (LGPA). The design year (2020) traffic projections are 35,016 AADT.

The proposed concept for this project is to widen the existing SR 99 from two lanes to four lanes. The proposed typical section will have 2 – 12 foot lanes in each direction divided by a 20 foot raised median, which tapers down to a 10 foot raised median at the realignment of Petersville Road. The 10 foot raised median would extend to match the existing median at SR 25/US 17 due to the proximity of a cemetery and existing houses.

The design speed is currently 55 mph along SR 520/SR 25/US 17. Due to the proposed design of this project, the proposed design speed is 45 mph. Access will be by permit.

IS THE PROJECT LOCATED IN A NON-ATTAINMENT AREA: YES () NO (X)

PDP CLASS: Full Oversight () Exempt (X) State Funded () Other ()

FUNCTIONAL CLASS: Rural Collector

US ROUTE NUMBER: N/A

STATE ROUTE NO.: SR 99

TRAFFIC:	<u>AAADT</u>	<u>CURRENT (YR 2000)</u>	<u>PROJECTED (YR 2020)</u>
SR 99		3060	35,016

EXISTING DESIGN FEATURES:

EXISTING TYPICAL SECTION:

SR 99 - 2 lanes with 14 foot through lanes in each direction with rural shoulders.

EXISTING POSTED SPEED LIMIT: SR 99 - 55 mph

EXISTING MAXIMUM DEGREE OF CURVATURE: 3.75

EXISTING MAXIMUM GRADE: 3.0 %

EXISTING WIDTH OF RIGHT OF WAY: 100 FT

EXISTING MAJOR STRUCTURES:

Triple 10'x10' Concrete Bridge Culvert

EXISTING MAJOR INTERCHANGES OR INTERSECTIONS:

I-95 INTERCHANGE
US 17 / SR 25 AND SR 99 INTERSECTION

EXISTING LENGTH OF ROADWAY SEGMENT:

1.03 MILES

PROPOSED DESIGN FEATURES:

PROPOSED TYPICAL SECTION: See attached typical sections.

From I-95 to proposed Petersville Road Realignment is a four lane section with 20 foot raised median and rural shoulder, From Petersville Road to US 17/SR 25 is a four lane urban section with 10 foot raised median.

PROPOSED DESIGN SPEED: 45 mph

PROPOSED MAX GRADE: 3% PROPOSED MAX GRADE ALLOWABLE: 6.5%

PROPOSED MAX. DEGREE OF CURVE: 4.1

PROPOSED MAX. DEGREE OF CURVE ALLOWABLE: 8.5

PROPOSED RIGHT OF WAY:

WIDTH: 150 FT

EASEMENTS: TEMPORARY (X), PERMANENT (), UTILITY ()

TYPE OF ACCESS CONTROL: FULL(), PARTIAL(),
BY PERMIT (X), OTHER ()

NUMBER OF PARCELS: 1

NUMBER OF DISPLACEMENTS:

Business: 0
Residences: 0
Mobile homes: 0
Other: 0

MAJOR STRUCTURES:

Bridges: Extend Exist. Triple 10'x10' Bridge Culvert
Retainning Walls: None

MAJOR INTERCHANGES OR INTERSECTIONS:

I-95 INTERCHANGE
US 17 / SR 25 AND SR 99 INTERSECTION

TRAFFIC CONTROL DURING CONSTRUCTION:

To be built under traffic

DESIGN EXCEPTIONS TO CONTROLLING CRITERIA ANTICIPATED:

	YES	NO	UNDETERMINED
Horizontal Alignment	()	(x)	()
Vertical Grades	()	(x)	()
Stopping Sight Distance	()	(x)	()
Speed Design	()	(x)	()
Roadway Width	()	(x)	()
Shoulder Width	()	(x)	()
Cross Slopes	()	(x)	()
Superelevation Rates	()	(x)	()
Horizontal Clearance	()	(x)	()
Vertical Clearance	()	(x)	()
Bridge Width	()	(x)	()
Bridge Struct. Capacity	()	(x)	()

DESIGN VARIANCES: Median Opening Spacing

ENVIRONMENTAL CONCERNS: Nationwide 23

LEVEL OF ENVIRONMENTAL ANALYSIS:

Are Time Savings Procedures Appropriate? YES () NO (X)

Categorical Exclusion ()

Environmental Assesment/Finding of No Significant Impact (FONSI) (X)

Environmental Impact Statement (EIS) ()

UTILITY INVOLVEMENTS: Power, Cable, Telephone

PROJECT RESPONSIBILITIES:

DESIGN:	GLYNN COUNTY
RIGHT OF WAY AQUISION:	GLYNN COUNTY
RELOCCATION OF UTILITIES:	GLYNN COUNTY
LETTING TO CONTRACT:	GLYNN COUNTY
SUPERVISION OF CONSTRUCTION:	GA DOT
PROVIDING MATERIAL PITS:	CONTRACTOR
PROVIDING DETOURS:	CONTRACTOR

COORDINATION:

CONCEPT TEAM MEETING HELD:

Concept team meeting for this project held on October 11, 2000. Minutes attached.

LEVEL OF PUBLIC INVOLVEMENT: Public Information Meeting was held on Novemeber 30th, 1999 by The Branigar Organization regarding P.A.W.S. wildlife theme park and the proposed additional lanes for SR 99.

Additional public meeting(s) will be required.

OTHER PROJECTS IN AREA: See Need and Purpose

SCHEDULING - RESPONSIBLE PARTIES ESTIMATE:

TIME TO COMPLETE THE ENVIRONMENTAL PROCESS: 6 months
TIME TO COMPLETE PRELIMINARY CONSTRUCTION PLANS: 6 months
TIME TO COMPLETE R/W PLANS: 4 months
TIME TO COMPLETE THE SECTION 404 PERMIT: 9 months
TIME TO COMPLETE FINAL CONSTRUCTION PLANS: 12 months
TIME TO COMPLETE TO PURCHASE RIGHT OF WAY: 6 months

OTHER ALTERNATES CONSIDERED: None

COMMENTS: 1) Project Plans will be completed in English units.

ATTACHMENTS:

- 1.) Preliminary Cost Estimate
- 2.) Typical Sections
- 3.) Accident Summaries
- 4.) Traffic Counts
- 5.) Minutes of Concept Meeting

APPROVALS:

CONCUR:

DIRECTOR OF PRECONSTRUCTION

APPROVE:

CHIEF ENGINEER

PRELIMINARY COST ESTIMATE

DATE: OCTOBER 10, 2000

PREPARED BY: CJE

PROJECT NO.: STP-0000-00(422)

P.I. NO.: 0000422

MILEAGE: 1.04 miles

PROJECT DESCRIPTION / CONCEPT: IMPROVEMENTS TO S.R. 99
FROM I-95 TO U.S. 17 / S.R. 25
GLYNN COUNTY

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

PROJECT COSTS

RIGHT OF WAY: GLYNN COUNTY

REIMBURSABLE UTILITIES: GLYNN COUNTY

CONSTRUCTION COSTS:

A. MAJOR STRUCTURES

1. BRIDGES: NONE \$ 0,000,000

2. RETAINING WALLS: NONE \$ 0,000,000

3. BOX CULVERTS:

TRIPLE 10'x10' BOX CULVERT EXTENSION (70 L.F.)

BOX: CONCRETE 70'x4.24 C.Y./FT @ \$300.00 \$ 89,040

STEEL: 516 LB/FT x 70' @ \$0.50 \$ 18,060

WINGWALL: CONCRETE 51.7 CY @ \$300.00 \$ 15,510

STEEL: 3841 LB @ \$0.50 \$ 1921

SUBTOTAL \$ 124,531

B. GRADING & EARTHWORK

1. BORROW: 58,000 C.Y. @ \$5.00 \$ 290,000

2. IN-PLACE EMBANKMENT:	NONE	\$ 0,000,000
3. UNCLASSIFIED EXCAVATION:	23,000 C.Y. @ \$4.00	\$ 92,000
	SUBTOTAL	\$ 382,000

C. DRAINAGE

1. LONGITUDINAL	1260 L.F. 18 in. @ \$30	\$ 37,800
	770 L.F. 24 in. @ \$45	\$ 34,650
2. CROSSDRAIN PIPES	200 L.F. 24 in. @ \$45	\$ 9,000
	100 L.F. 36 in. @ \$50	\$ 5,000
3. FLARED END SECTIONS	12 FES 18 in. @ \$500	\$ 6,000
	4 FES 24 in. @ \$700	\$ 2,800
	1 FES 36 in. @ \$1000	\$ 1,000
4. CATCH BASINS:	12 @ \$2500 EA.	\$ 30,000
5. OTHER ITEMS	NONE	\$ 0,000,000
	SUBTOTAL	\$ 126,250

D. BASE & PAVING

1. ASPHALT PAVING:

3640 TONS OF 12.5 mm Superpave @ \$ 45	\$ 163,800
3400 TONS OF 19 mm Superpave @ \$ 40	\$ 136,000
1340 TONS OF 25 mm Superpave @ \$ 38	\$ 50,920
1300 TONS OF LEVEL COURSE @ \$ 42	\$ 54,600
2500 GALS OF TACK @ \$ 1.00	\$ 2,500

2. GRADED AGGREGATE BASE:

24,840 S.Y. 8" GAB @ \$ 8.50	\$ 211,140
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SUBTOTAL \$ 618,960

E. CONCRETE WORK

1. APPROACH SLABS:	NONE	\$ 0,000,000
2. SIDE BARRIER (Permanent)	NONE	\$ 0,000,000

3. CURB & GUTTER

TYPE 2: 1860 L.F.	@ \$13.00	\$ 24,180
TYPE 7 8250 L.F.	@ \$12.00	\$ 99,000

4. VALLEY GUTTER:	NONE	\$ 0,000,000
5. SIDEWALK:	NONE	\$ 0,000,000
6. DITCH PAVING:	NONE	\$ 0,000,000
	SUBTOTAL	\$ 123,180

F. SIGNS & STRIPING

1.04 Miles @ \$150,000	SUBTOTAL	\$ 156,000
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G. TRAFFIC SIGNALS

	NONE	\$ 0,000,000
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H. GUARDRAIL

	NONE	\$ 0,000,000
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I. TRAFFIC CONTROL

1.04 Miles @ \$200,000		\$ 208,000
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PRECAST CSB:	NONE	\$ 0,000,000
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DETOUR BRIDGES	NONE	\$ 0,000,000
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DETOUR EARTHWORK	NONE	\$ 0,000,000
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DETOUR PAVING	NONE	\$ 0,000,000
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	SUBTOTAL	\$ 208,000
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J. CLEARING & GRUBBING

5.39 AC @ \$ 8,000 (New R/W)	SUBTOTAL	\$ 43,120
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K. PERMANENT EROSION CONTROL

GRASSING / LANDSCAPING	9.5 AC @ \$2200 AC	\$ 20,900
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STONE DUMPED RIP-RAP, Tp 3, 24": 400 S.Y. @ \$35 \$ 14,000

SUBTOTAL \$ 34,900

L. TEMPORARY EROSION CONTROL

1.04 Miles @ \$50,000

SUBTOTAL \$ 52,000

K. MISCELLANOUES ITEMS

1. FIELD ENGINEER'S OFFICE: TYPE III \$ 30,000

2. FENCING: 2000 L.F. @ \$6.00 \$ 12,000

3. RIGHT OF WAY MARKERS: 20 EA. @ \$75.00 \$ 1,500

4. LAKE RESTORATION: NONE \$ 0,000,000

5. REMOVE EXISTING WINGWALLS: LUMP SUM \$ 5,000

SUBTOTAL \$ 48,500

ESTIMATE SUMMARY

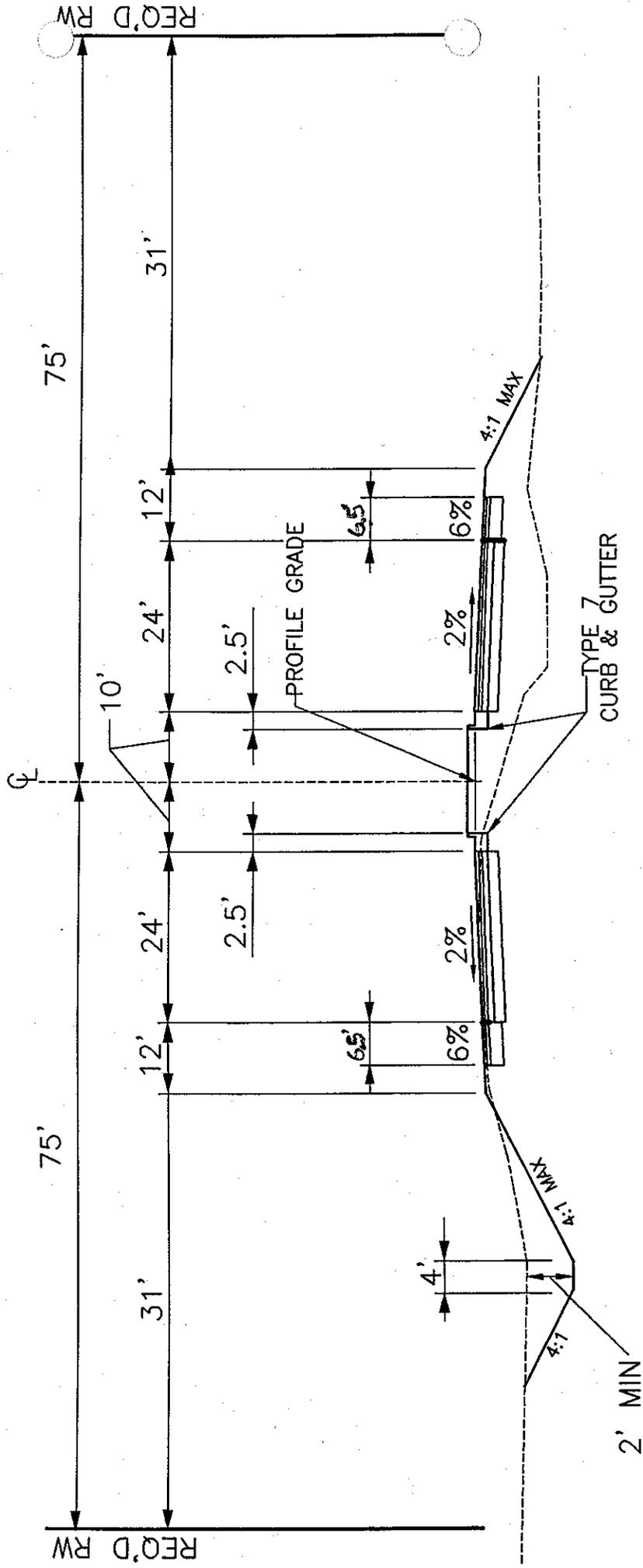
A.	RIGHT-OF-WAY	GLYNN CO.
B.	REIMBURSABLE UTILITIES	GLYNN CO.
C.	CONSTRUCTION	
	1. MAJOR STRUCTURES	\$ 124,531
	2. GRADING AND DRAINAGE	\$ 508,250
	3. BASE AND PAVING	\$ 618,960
	4. LUMP ITEMS	\$ 617,200
	5. MISCELLANEOUS	\$ 48,500
	6. SPECIAL ITEMS	NONE
	SUBTOTAL CONSTRUCTION COST	\$ 1,917,441
	E & C. (10%)	\$ 191,744
	INFLATION (2 YEARS @ 5%)	\$ 216,191
	TOTAL CONSTRUCTION COST	\$ 2,325,400

PROJECT NO.: STP-0000-00(422)
COUNTY: GLYNN

TYPICAL SECTION

GA 99 WIDENING

RURAL SECTION W/ 20' RAISED MEDIAN

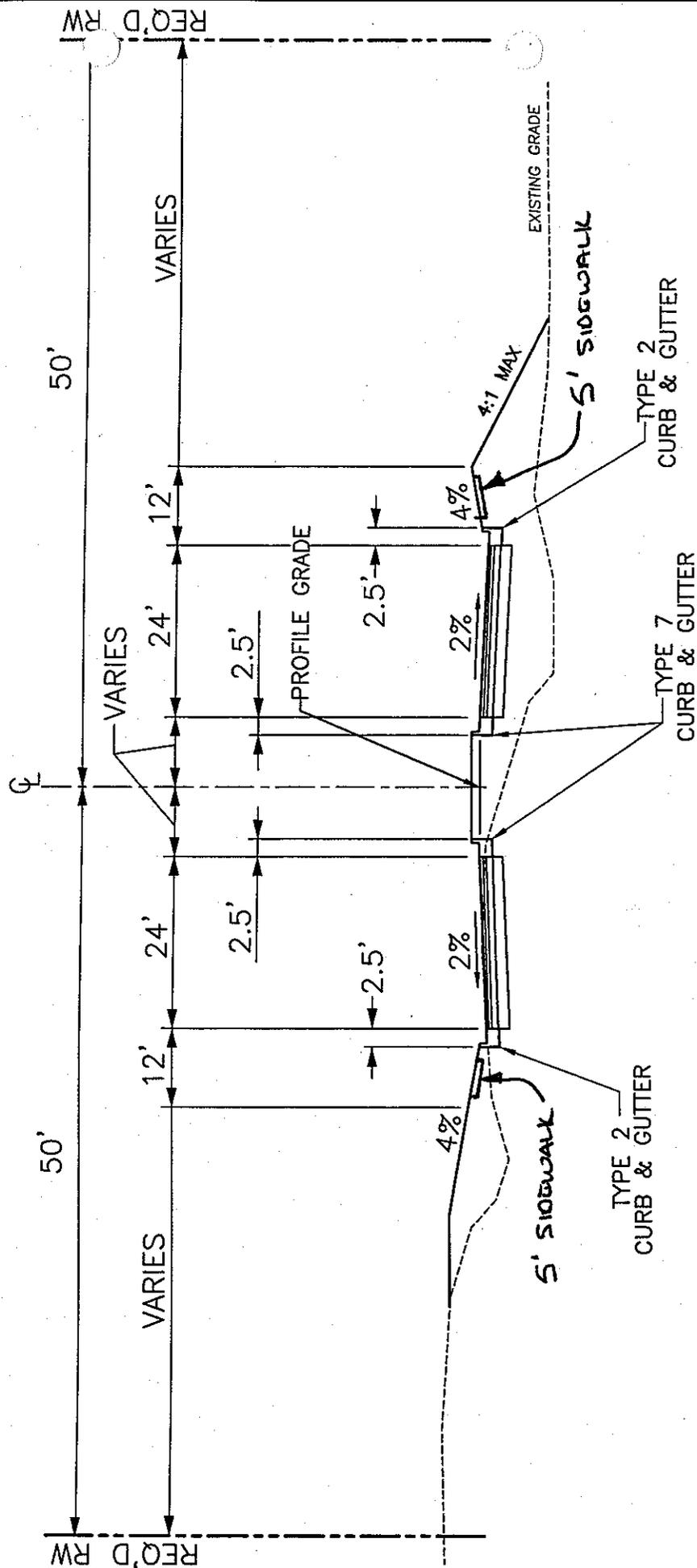


THOMAS & HUTTON
ENGINEERING CO.
50 PARK OF COMMERCE WAY
SAVANNAH, GA. 31405 (912)234-5300
966 HOUSTON NORTH CUT BLVD.
MT. PLEASANT, S.C. 29464 (803)849-0200

PROJECT NO.: STP-0000-00(422)
COUNTY: GLYNN

TYPICAL SECTION GA 99 WIDENING

URBAN SECTION W/ 20' RAISED MEDIAN



THOMAS & HUTTON
ENGINEERING CO.
50 PARK OF COMMERCE WAY
SAVANNAH, GA. 31405 (912)234-5300
966 HOUSTON NORTHGUT BLVD.
MT. PLEASANT, S.C. 29464 (803)849-0200

Accident Data

The available accident data for SR 99 from Interstate 95 to US 17/SR 25. The latest year that complete accident data is available is 1997.

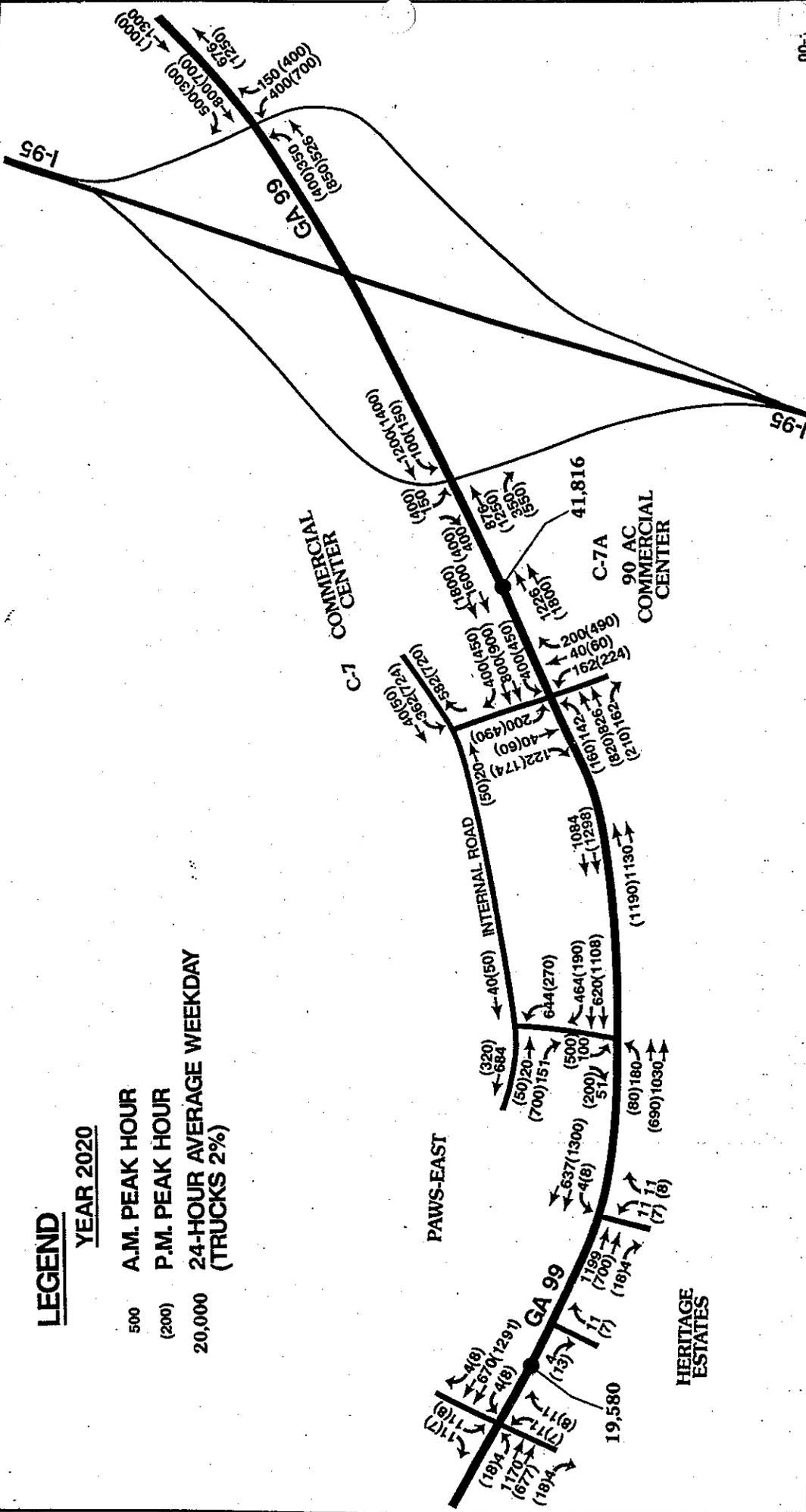
Year - 1997	From I-95 To US 17
Number of Accidents	3
Accident rate per 100 MVMT	222
Statewide average accident rate	194
Year - 1996	
Number of Accidents	8
Accident rate per 100 MVMT	550
Statewide average accident rate	201
Year - 1995	
Number of Accidents	10
Accident rate per 100 MVMT	767
Statewide average accident rate	193

The accident rate for SR 99 is significantly higher than the statewide average and indicate a need for the road to be widened.

LEGEND

YEAR 2020

- 500 A.M. PEAK HOUR
- (200) P.M. PEAK HOUR
- 20,000 24-HOUR AVERAGE WEEKDAY
- (TRUCKS 2%)



JULY 11, 2000

**ESTIMATED
A.M. AND P.M. PEAK HOUR
TRAFFIC - YEAR 2020**

TPE
 TRANSPORTATION
 PLANNERS-ENGINEERS, INC.
 TRAFFIC STUDIES, ROAD DESIGN, TRAFFIC SIGNAL ENGINEERING,
 ROADWAY CONSTRUCTION MANAGEMENT,
 TRAFFIC SIGNAL DESIGN
 8030 SOUTHSHORE DRIVE S. - SUITE 150
 JARVISWOOD, FL 32116
 (904) 244-1754

FIGURE 1



**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-0000-00(422) Glynn County **OFFICE** Atlanta
P.I. NO. 0000422
SR 99 Widening from SR 25/US 17 To I-95 **DATE** November 17, 2000

FROM James A. Kennerly, State Road & Airport Design Engineer

TO **SEE DISTRIBUTION**

SUBJECT **MINUTES OF DESIGN CONCEPT MEETING**

The design concept team meeting for STP-000-00(422) in Glynn County was held October 11, 2000 at 11:00 AM, in the Assembly Room at the District 5 Office in Jesup. Persons who were present representing the Georgia Department of Transportation are listed as follows:

Office of Road and Airport Design :

Jim Simpson
Robert Reid

District 5 :

Tony Collins, Preconstruction Engineer,
Alan Troha, Traffic Operations Engineer
Robert McCall, Traffic Operations
Will Murphy, Brunswick Area Office – Area 3
Stephen Thomas, Utilities

Other Individuals present are listed as follows:

Glynn County

Jim Bruner

Thomas & Hutton Engineering Co.

Jeff Halliburton
Charles Ezelle

STP-0000-00(422)Glynn County

P.I. NO. 0000422

Page 2

The Branigar Organization, Inc.

E. Cameron Bland

The meeting was opened by Robert Reid who described the project in general, the concept proposed, and the design considerations encountered from the concept report. The P.A.W.S overview was presented by Jeff Halliburton and the project walk-thru was presented by Charles Ezelle, both of Thomas & Hutton Engineering Company.

Project Description

Project STP-0000-00(422)Glynn County is the proposed widening of SR 99 from I-95 to SR 25/US 17 to accommodate the proposed development by Parks and Wildlife Services (PAWS) of a wildlife preserve theme park. The proposed project length is 1.02 miles. The project is currently programmed for Long Range construction and any required right of way will be acquired by Glynn County through a Local Government Project Agreement (LGPA). The design year (2020) traffic projections are 35,016 AADT.

The proposed concept for this project is to widen the existing SR 99 from two lanes to four lanes. The proposed typical section will have 2 – 12 foot lanes in each direction divided by a 20 foot raised median, which tapers down to a 10 foot raised median at the realignment of Petersville Road. The 10 foot raised median would extend to match the existing median at SR 25/US 17 due to the proximity of a cemetery and existing houses.

The design speed is currently 55 mph along SR 520/SR 25/US 17. Due to the proposed design of this project, the proposed design speed is 45 mph. Access will be by permit.

Discussion was as follows :

During the review of the report, Tony Collins mentioned the need to clarify the programming of other projects in the area. There were conflicts of overlapping descriptions in the work program for projects NH-IN-95-1(117), NHS-0001-00(585), and STP-0001000(036). To resolve the conflicts, it has been since decided that a request would be made to revise the concept for project

NH-IN-95-1(117) to break out the SR 99 interchange. Within that revision, it will be requested that project NHS-0001-00(585) be revised to shorten the length of the project to accommodate just the interchange reconstruction only. The remaining roadway length will be accomplished with project STP-0001-00(036).

Jeff Halliburton of Thomas & Hutton Engineering provided a very informative overview of the proposed PAWS development. Starting with the History and the background for the development, he explained that the development is proposed for both the southeast and northwest quadrants of the I-95/SR 99 interchange. The development will be a mixed-use development with commercial/retail and residential. The southeast quadrant will be developed first with the groundbreaking occurring in early 2001. This area will be the major portion of the development, housing the Main Entrance with parking and other amenities. The northwest quadrant portion of the development will come on line later and will be the extension of the actual wildlife preserve. Transportation from one quadrant to the other will be by bus. There will be approximately five busses per hour accessing SR 99 from the main entrance, crossing over I-95, and exiting into the wildlife preserve. Alan Troha expressed concern about the ingress and egress of the park's vehicles crossing I-95 from the east and the west quadrants via SR 99. Traffic impediment and liability was an additional concern expressed by the panel. Jeff Halliburton and E. Cameron Bland stated that the park plans are not finalized and these concerns would be brought to the park's attention.

Charles Ezelle presented the project design including the layout, typical section, and proposed right of way requirements. A few design enhancements were suggested, including the addition of U-Turnouts and typical section notations. Will Murphy inquired about the median treatment for the proposed raised median and requested that it be grass. In general, the design presented was well accepted.

Robert McCall inquired about the park being similar to the Wet and Wild Amusement Park in Valdosta. Both Jeff Halliburton and E. Cameron Bland assured the participants that the park would be a natural preserve and would not be classified as an amusement park.

Mr. Bland reiterated the concessions and considerations offered by his group, The Branigar Organization, and offered continued cooperation to assure the progress of the project.

Jim Simpson explained the Plan Development Process (PDP) and how it relates with the Local Government Project Agreement (LGPA) with Glynn County.

Robert Reid reiterated that Glynn County closely monitor the progress of the project as stated in the LGPA to keep it on schedule and not jeopardize the loss of it's funding.

Robert Reid closed the meeting by thanking everyone for attending.

Status of Tasks

District Utilities: Please provide information concerning utilities impacted by the project and provide cost estimates for utility relocations.

Materials and Research: Please provide any information regarding soil conditions and pavement analysis and condition.

All other offices have completed the assigned tasks.

JAK:JSS

DISTRIBUTION:

Honorable Tom Triplett, Member State Transportation Board
Floyd Moore (FHWA)

Frank Danchetz

Tom Turner

Harvey Keepler

David Meshberger

Gary Priester

Tony Collins

Jeff Griffith

David Graham

Cynthia Phillips

Jim Bruner (Glynn County)

Nicholas Ogden (U.S. Army Corps of Engineers)

Tom Welborn (EPA)

Bruce Bell (U.S. Dept. of the Int.-Fish and Wildlife Service)

Andy Mager (National Marines Fisheries Service)

Robert F. McGhee (Dir. Water Mgt. Division)

Jeff Halliburton/Charles Ezelle (Thomas & Hutton Engineering Co.)

E. Cameron Bland (Branigar Organization)

Dudley Ellis

Herman Griffin

Marion Waters

Wouter Gulden

Marta Rosen

Karon Ivery

Will Murphy

Buddy Gratton

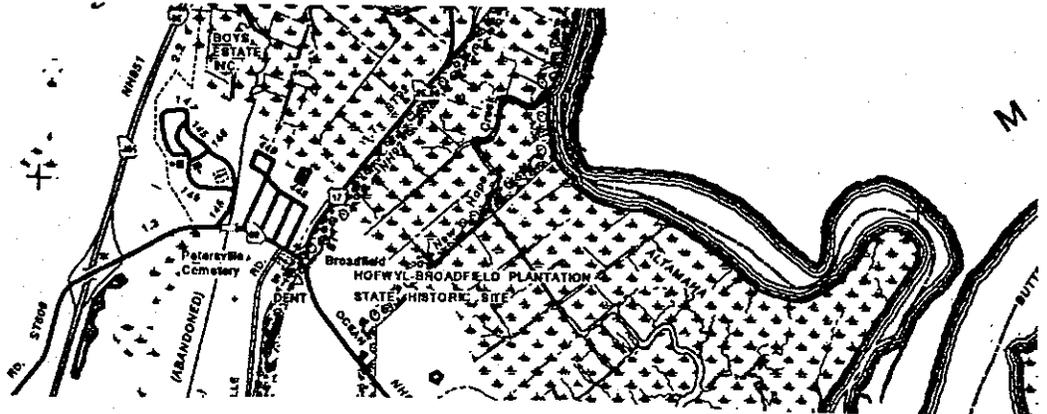
David Mulling

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT
STP-0000-00(422)
Glynn County
P.I. No.: 0000422

U. S. Route No.: None
State Route No.: SR 99

Improvements To SR 99 From Interstate 95 to US 17



RECOMMENDATION FOR APPROVAL:

3-7-01
Date

James A. Simpson Jr.
Project Manager

3-17-01
Date

James A. Kessner
Road and Airport Design Engineer

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

Date

State Transportation Planning Administrator

Date

State Transportation Programming Engineer

Date

State Environmental/Location Engineer

Date

State Traffic Operations Engineer

Date

District Engineer

Date

Project Review Engineer

3-18-01
Date

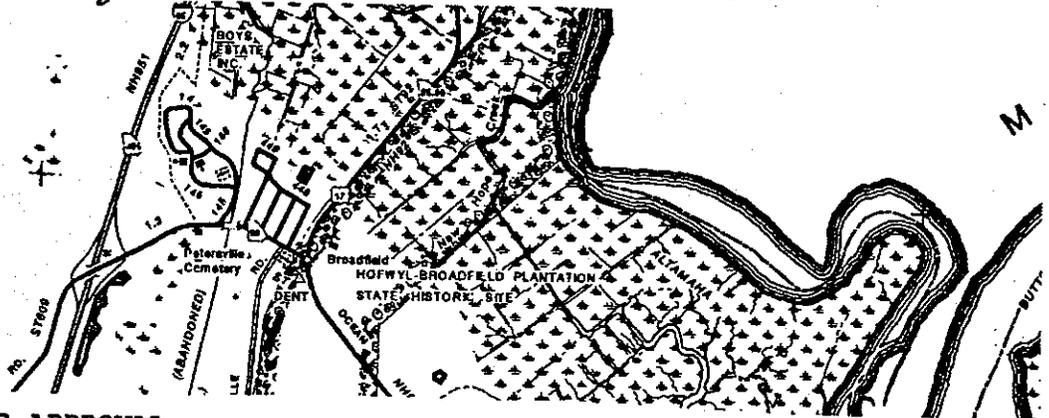
Paul V. Yelton Jr.
State Bridge & Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT
STP-0000-00(422)
Glynn County
P.I. No.: 0000422

U. S. Route No.: None
State Route No.: SR 99

Improvements To SR 99 From Interstate 95 to US 17



RECOMMENDATION FOR APPROVAL

3-7-01
Date

James A. Simpson Jr.
Project Manager

3-17-01
Date

John A. Kennel
Road and Airport Design Engineer

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

Date

State Transportation Planning Administrator

Date

State Transportation Programming Engineer

Date

State Environmental/Location Engineer

Date

State Traffic Operations Engineer

Date

District Engineer

3/21/01
Date

O. J. Malley
Project Review Engineer

Date

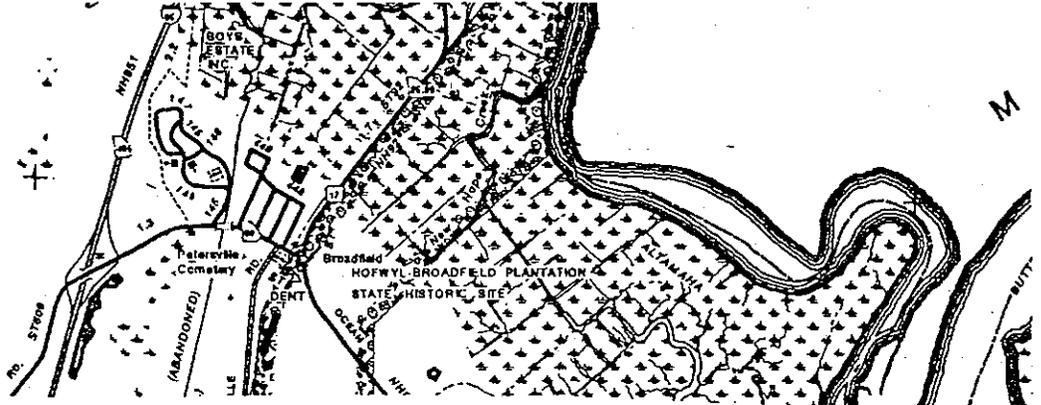
State Bridge & Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT
STP-0000-00(422)
Glynn County
P.I. No.: 0000422

U. S. Route No.: None
State Route No.: SR 99

Improvements To SR 99 From Interstate 95 to US 17



RECOMMENDATION FOR APPROVAL:

3-7-01
Date

James A. Simpson Jr.
Project Manager

3-13-01
Date

James A. Kennel
Road and Airport Design Engineer

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

Date
3/12/01
Date

State Transportation Planning Administrator
Herbert J. Hunt

State Transportation Programming Engineer

Date

State Environmental/Location Engineer

Date

State Traffic Operations Engineer

Date

District Engineer

Date

Project Review Engineer

Date

State Bridge & Structural Design Engineer

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: STP-0000-00(422)/Glynn County
P.I. No. 000422

Office: Traffic Operations
Atlanta, Georgia
Date: March 20, 2001

From:  M.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 above referenced concept report for the widening of SR 99 from a 2-lane transportation facility to a 4-lane divided roadway with a raised median from I-95 to SR 25/US 17 in Glynn County.

The proposed typical section is 4 12-foot lanes with 12-foot shoulders (6.5 feet paved and 5.5 feet grassed) and a 20-foot raised median from I-95 to Petersville Road. From Petersville Road to the end of the project the median will taper down to 10 feet and include urban shoulders with curb and gutter and sidewalk. The 10-foot median is required to minimize right of way impacts. The total length of this project is 1.02 miles. The proposed roadway meets all requirements for a 45mph design speed.

We believe this concept will improve safety and traffic operations within this area, therefore find this report satisfactory for approval.

MGW/BM

Attachment (signature page)

Cc: Harvey Keeper, Office of Environmental Location
James A. Kennerly, State Road & Airport Design Engineer
Attention: Robert Reid
David Mulling, Engineering Services, w/ attachment
Marta Rosen, Office of Planning
Gary Priester, District Engineer-Jesup
Attention: Ollie Lindell, District Traffic Engineer
Chuck Hasty, TMC
General Files

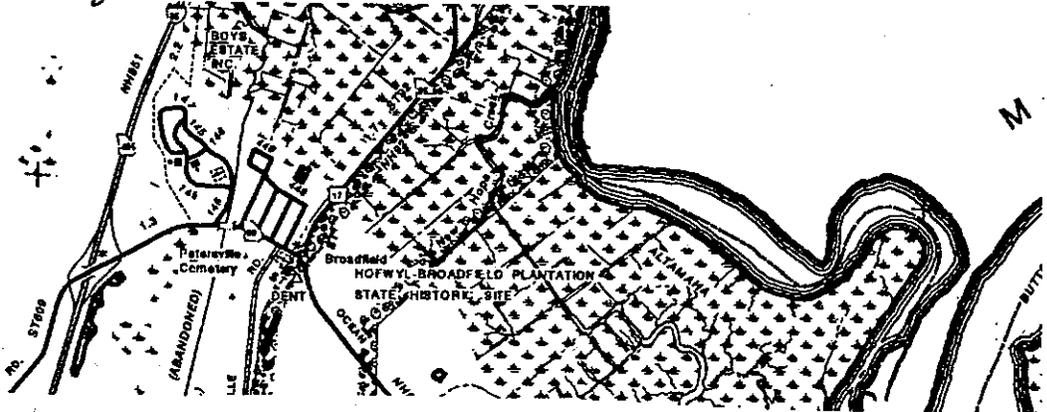
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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT
STP-0000-00(422)
Glynn County
P.I. No.: 0000422

U. S. Route No.: None
State Route No.: SR 99

Improvements To SR 99 From Interstate 95 to US 17



RECOMMENDATION FOR APPROVAL:

3-7-01
Date

James A. Simpson Jr.
Project Manager

3-12-01
Date

John A. Kernal
Road and Airport Design Engineer

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

Date

State Transportation Planning Administrator

Date

State Transportation Programming Engineer

Date

State Environmental/Location Engineer

3/22/01
Date

Marion S. Hester III
State Traffic Operations Engineer

Date

District Engineer

Date

Project Review Engineer

Date

State Bridge & Structural Design Engineer