ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-064-1(49) Chatham County
P. I. No. 533160

OFFICE Preconstruction

DATE April 21, 2003

FROM 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
Jerry Hobbs
Percy Middlebrooks
Michael Henry
Phillip Allen
Marta Rosen
Paul Liles
Ben Buchan
Gary Priester
BOARD MEMBER

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-064-1(49)Chatham County
P.I. No. 533160

OFFICE Preconstruction

DATE April 11, 2003

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

TO Frank L. Danchetz, P.E., Chief Engineer

SUBJECT **PROJECT CONCEPT REPORT**

This project is the replacement of a structurally deficient bridge on SR 25/Ocean Highway over Norfolk-Southern Railroad, 5.5 miles north of Savannah, Georgia. The existing bridge, constructed in 1939, is load limited with a sufficiency rating of 55. The original design load capacity is H-15. In accordance with DOT MOG 2405-1, the existing bridge meets the established criteria for replacement. State Route 25 at this location is a rural two lane roadway with 10.5' travel lanes with rural shoulders. This section of SR 25 is functionally classified as a urban principal arterial. Traffic is projected to be 7000 VPD and 10000 VPD in the years 2008 and 2028 respectively. The posted speed and the design speed are 35 MPH.

The construction proposes to construct a new 226' x 40' concrete bridge over Norfolk-Southern Railroad at the existing bridge site. The approaches will consist of two, 12' lanes with curb and gutter and 5' sidewalks. Traffic will be maintained during construction utilizing an off-site detour.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; a public hearing is not required; time saving procedures are appropriate.

This project will require split funding because the sufficiency rating exceeds 50. "BR" funding will cover the amount equal to the widening and the remainder will consist of "STP" funding.

The estimated costs for this project are:

	PROPOSED	APPROVED	PROG DATE	LET DATE
Construction (includes E&C and inflation)	BR $1,196,000 STP $ 282,000	BR $600,000 STP $500,000	2006	FY-06
Right-of-Way	$ 13,000	$ 13,000		
Utilities*	$ 12,000	$-----		

BRST-064-1(49) Chatham
April 11, 2003

*Chatham County reused LGPA for utilities.

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

MBP: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: BRST-064-1(49) Chatham
P.I. Number 533160

OFFICE: Engineering Services

DATE: April 16, 2003

FROM: David Mulling, Project Review Engineer REW

TO: Meg Pirkle, Assistant Director of Preconstruction

SUBJECT: **CONCEPT REPORT**

We have reviewed the concept report submitted April 4, 2003 by the letter from James B. Buchan dated April 3, 2003, and have no additional comments.

	Bridge Replacement	**Bridge Widening**
Construction	$1,218,009	$985,737
Inflation	$124,846	$101,038
E&C	$134,286	$108,678
Reimbursable Utilities	$12,000	$12,000
Right of Way	$9,200	$10,400

NOTE: This project will require split funding since the bridge has a sufficiency rating above 50 and is to be replaced. The BR funding is the amount equal to the Bridge Widening costs. Other costs will have to come from other funding sources.

REW

c: Ben Buchan, Attn: Otis Clark

1,477,286

SCORING RESULTS AS PER MOG 2440-2

Project Number:	County:	PI No.:
BRST-064-1(49)	Chatham	533160

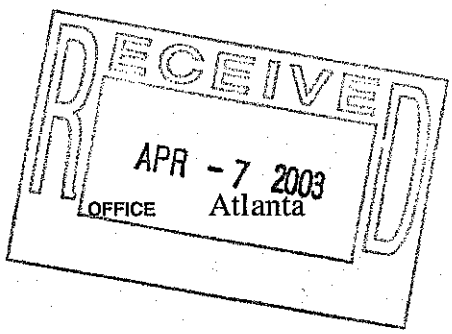
Report Date:	Concept By:
April 4, 2003	DOT Office: Consultant Design
☒ Concept Stage	Consultant: Parsons Transportation Group

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

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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE **BRST-064-1(49) Chatham County**
SR 25/Ocean Highway over CSX 5 mi N of Savannah
P.I. No. 533160-

FROM James B. Buchan, State Consultant Design Engineer

DATE April 3, 2003

TO Margaret B. Pirkle, 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 Plan Development Process (PDP). Please discard the previous submitted concept report for the above listed project as a cost estimate attachment was inadvertently omitted.

This project will require split funding because the bridge sufficiency rating exceeds 50. BR funding will cover the amount equal to the widening costs and the remainder will have to come from STP funding as appears in the attached estimate.

Those on the distribution list below should review the Concept Report and send comments and/or the signature page to the Preconstruction Office within 10 days as per the PDP.

If you have any questions or require further information please call Otis Clark at (404)463-6265 or Rodney Givens of Parsons Transportation Group, Inc. at (404) 893-9950.

Distribution:
David Mulling, Project Review Engineer
Harvey Keepler, State Environmental/Location Engineer
Phillip Allen, State Traffic Safety and Design Engineer
Marta Rosen, State Transportation Planning Administrator
Percy Middlebrooks, Office of Financial Management Administrator
Gary Priester, District Engineer – Jesup
Paul Liles, State Bridge & Structural Engineer

JBB:MBA:OC

cc: Parsons Transportation Group, Inc.

February 24, 2003

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

Project Concept Report

Project Number: BRST-064-1(49)
County: Chatham
P. I. Number: 533160

Federal Route Number:
State Route Number: 25

Recommendation for Approval:

DATE 4-3-03 _____ _____
Project Manager

DATE 4-9-03 _____ _____
State Consultant Design Engineer

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

DATE _____ _____
State Transportation Planning Administrator

DATE _____ _____
Office of Financial Management Administrator

DATE _____ _____
State Environmental/Location Engineer

DATE _____ _____
State Traffic Safety and Design Engineer

DATE _____ _____
District Engineer

DATE _____ _____
Project Review Engineer

DATE _____ _____
State Bridge Design Engineer

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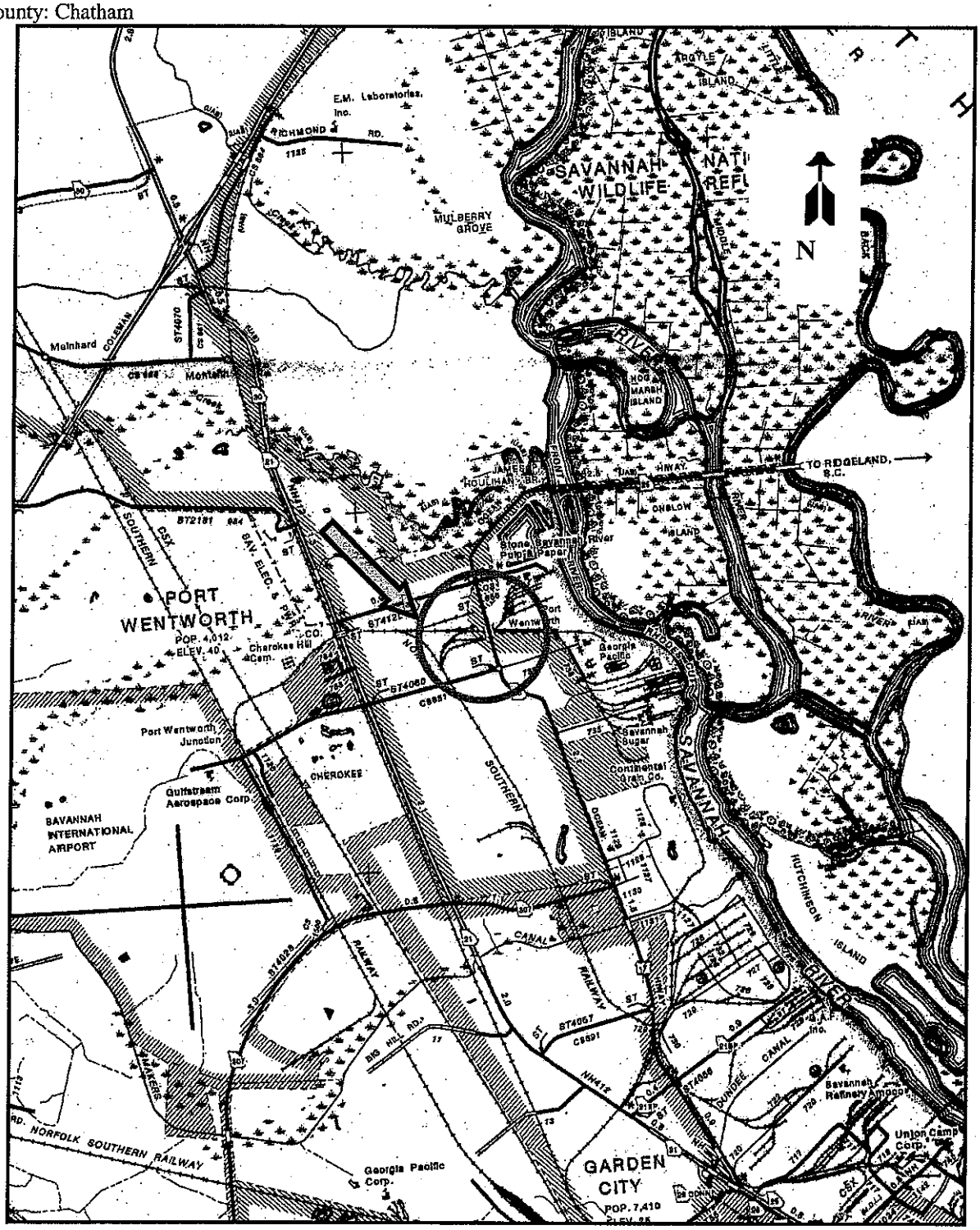


Scale: 1 inch = 1 mile

Location Map

Project: BRST-064-1(49) Chatham County **PI No.:** 533160-

Description: SR 25/Ocean Hwy @ Norfolk Southern RR 5 mi. North of Savannah

NEED AND PURPOSE:

Bridge project BR-0002-00(226) will replace the structurally deficient bridge located on State Route 25 over Norfolk Southern Railroad, 5 miles North of Savannah, Georgia. The bridge's sufficiency rating is 55.9. The Office of Bridge Maintenance has determined that any structure with a sufficiency rating less than 50 should be replaced rather than improved. Although this bridge's sufficiency rating is greater than 50, structural evaluations conducted by the Office of Bridge Maintenance indicate that bridges such as this one, supported by 10 inch H-Piles or smaller, are structurally deficient. In accordance with DOT policy 2405-1, it is recommended that this bridge be replaced due to unacceptable load capacity. This project will replace the existing bridge with a structurally adequate bridge.

State Route 25 is functionally classified as an urban principal arterial. The posted speed limit along SR 25 is 35 mph. The section where the proposed bridge project improvement would take place, is a school bus route. SR 25 is not part of the Statewide Bicycle Plan. The bridge is located 5.0 miles North of Savannah, Georgia and was constructed in 1939. Sidewalks are proposed on the new bridge. Trucks represent 8% of the traffic of SR 25. The Annual Average Daily Traffic (AADT) along this section of highway for 2001 is 6,200. The projected AADT for the construction year (2008) is 7000 and the projected design year (2028) AADT for this section of highway is 10,000. Currently no roadway improvements are in the Construction Work Program for SR 25 in this vicinity.

Replacing this bridge will bring it up to current design standards and in doing so will improve the operation and safety of this roadway.

DESCRIPTION OF THE PROPOSED PROJECT:

The proposed project is approximately 0.331 miles long, beginning at mile 20.94 and ending at mile 20.61 along SR 25, and is located five miles north of Savannah.

The new bridge will be constructed on the same alignment as the existing bridge and is to be constructed while maintaining traffic by using an off-site temporary detour route.

This concept satisfies the Need and Purpose by replacing the existing structure with a 28-foot gutter to gutter bridge with two six-foot sidewalks. The proposed bridge will be of adequate structural integrity and capacity for the projected 2028 AADT in accordance to MOG 2450-1, the Structural Evaluation Rating, and the Sufficiency Rating procedure.

Project Concept Report Page 4
Project Number: BRST—064-1(49)
P.I. Number: 533160
County: Chatham

IS THE PROJECT LOCATED IN A NON-ATTAINMENT AREA? No.

PDP Classification : Major _____ Minor X

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

Functional Classification: Urban Principal Arterial

U.S. Route Number(s): _____ **State Route Number(s):** 25

Traffic (AADT):

Base Year: (2008) 7000 Design Year: (2028) 10000

EXISTING DESIGN FEATURES:

Typical Section: Two 10.5-foot lanes, with 50 feet of right-of-way on both sides of the roadway.

Posted Speed 35 mph Maximum degree of curvature: 0° 00'

Maximum grade Mainline: 5.00 %

Maximum grade Crossroads: N/A %

Maximum grade Driveways: N/A %

Major Structures: The existing bridge consists of 42-foot concrete I-beam spans.

S. RTG: 55.9 LENGTH: 156 feet WIDTH: 36 feet

MAJOR INTERCHANGES OR INTERSECTIONS: Norfolk Southern Railroad intersects the bridge structure itself. SR 25/Ocean Highway intersects Dorset Road to the south and Appleby Road to the north,

MILE POINT REFERENCE:

BEGIN 20.94 END 20.61

PROPOSED DESIGN FEATURES:

PROPOSED TYPICAL SECTION(S): The proposed roadway will consist of two 12-foot travel lanes with curb and gutter and five-foot sidewalks. See typical section attached.

Proposed Design Speed Mainline: 35 mph

Proposed Maximum grade Mainline: 6.0 % Maximum grade allowable: 6.5 %
Proposed Maximum grade Side Street: N/A % Maximum grade allowable: N/A %
Proposed Maximum grade Driveway: N/A %
Proposed Maximum degree of curve: 0° 0' Maximum degree allowable: 14° 39'

RIGHT OF WAY

Width: 50 feet

Easements: Temporary ( ), Permanent (X), Utility ( ), Other ( ).

Type of access control: Full ( ), Partial ( ), By Permit (X), Other ( )

Number of Parcels: 4.0 Number of displacements:

Business: None

Residences: None

Mobile homes: None

Other: None

STRUCTURES: The proposed bridge will be 28-feet wide gutter to gutter with 6-foot sidewalks. The bridge is expected to be approximately 226 feet long.

MAJOR INTERSECTIONS AND INTERCHANGES: The project on SR 25/Ocean Highway intersects Dorset Road to the south and Appleby Road to the north.

TRAFFIC CONTROL DURING CONSTRUCTION: Two-way traffic will be maintained on an off-site temporary detour while the proposed bridge is constructed (See detour map attached).

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: Environmental study in process.

Permits

Corp of Engineers Section 404 Permit,
Federal Emergency Management Agency (FEMA),

Probable locations of USTS: None identified.

Probable location of hazardous waste: None identified.

Utility involvements: *(Communications, Power, Gas, Petroleum, ITS, Railroads, etc.)*

Overhead power lines and buried fiber-optic telephone cable located on the east side of the bridge. Other utilities to be determined.

Local government commitments: Chatham County refused to sign for utilities on 4-13-01

Project responsibilities:

Design, Parsons Transportation Group
Right of Way Acquisition, GDOT
Relocation of Utilities, GDOT
Letting of contract, GDOT
Supervision of construction, GDOT
Providing material pits, Contractor
Providing detours, Parsons Transportation Group

COORDINATION

CONCEPT TEAM MEETING DATE: 03/20/02

CONFORMS TO TIP/STIP? Yes

MEETS LOGICAL TERMINI REQUIREMENTS? Yes

P.A.R. MEETING: None

LEVEL OF ENVIRONMENTAL ANALYSIS: CE Anticipated

PUBLIC INVOLVEMENT: None

TIME SAVINGS PROCEDURES APPROPRIATE: Yes

OTHER PROJECTS IN THE AREA: None

RAILROADS: Norfolk Southern

SCHEDULING

Time to complete the environmental process:	9 Months
Time to complete preliminary construction plans:	3 Months
Time to complete right of way plans:	3 Months
Time to complete the Section 404 Permit:	3 Months
Time to complete final construction plans:	3 Months
Time to complete to purchase right of way:	9 Months

OTHER ALTERNATES CONSIDERED:

(1) Build proposed bridge on the same location as existing bridge by using an on-site temporary detour to maintain existing traffic.

(2) Build proposed bridge on new alignment while maintaining traffic on existing roadway.

(3) Widen existing bridge and roadway.

(4) No Build.

COMMENTS: Alternate (1) was eliminated due to higher costs resulting from construction of the temporary bridge, due to the high volume of truck traffic, and due to high cost of replacing two existing houses (See cost estimate attached.) Alternate (2) was eliminated to minimize right-of way impacts and traffic interruption. Alternate (3) was eliminated due to its unacceptable load capacity. Alternate (4) was eliminated due to long-term maintenance cost of structurally deficient bridge.

ATTACHMENTS:

1. Cost Estimate-Proposed:
    a. Construction including E&C,
    b. Right of Way, and
    c. Utilities.
2. Cost Estimate-Alternate Temporary Detour
    a. Construction including E&C,
    b. Right of Way, and
    c. Utilities.
3. Cost Estimate-Widening Existing Bridge and Roadway
    a. Construction including E&C,
    b. Right of Way, and
    c. Utilities.

4. Cover Sheet,
5. Typical Sections,
6. Bridge Inventory,
7. Off-site Detour Plan
8. Notice of Location and Design Approval
9. Meeting Minutes
10. Bridge Replacement Justification Letter

Project Concept Report Page 10
Project Number: BRST—064-1(49)
P.I. Number: 533160
County: Chatham

Attachment 1 (Selected alternate) NGA

PROJECT NUMBER: BRST-064-1(49)

COUNTY: Chatham

DATE: February 11, 2003

ESTIMATED LETTING DATE:

PREPARED BY: Parsons Transportation Group

PROJECT LENGTH: 0.331 MILES

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

PROJECT COST		
A. RIGHT-OF-WAY:		
1. PROPERTY (LAND & EASEMENT) 4.60 Acres @ 2,000 / Non-commercial acre	$	10,000
2. DISPLACEMENTS: RES:0; BUS:0; M.H.:0	$	-
3. OTHER COST (ADM./COST, INFLATION)	$	-
SUBTOTAL A:	$	10,000
B. REIMBURSABLE UTILITIES:		
1. RAILROAD		
2. TRANSMISSION LINES	$	12,000
3. SERVICES		
SUBTOTAL B:	$	12,000
C. CONSTRUCTION		
1. MAJOR STRUCTURES		
a. BRIDGE- SR 25/ Ocean Highway Bridge over Norfolk Southern Railroad (226' L X 42'-5" W)	$	508,067
b. BRIDGE - SR 25/Ocean Highway Existing Bridge Demolition (156' L X 36' W) @ $10 / SF	$	56,160
c. GRAVITY WALL	$	51,000
SUBTOTAL C-1:	$	615,227
2. GRADING AND DRAINAGE:		
a. EARTHWORK-- 21329 CuYds--S.R. 25 @ $2.44	$	52,043
b. DRAINAGE:		
1) 40'-18" RCP & 2 Drop Inlets	$	4,144
SUBTOTAL C-2:	$	56,187

Project Concept Report Page 11
Project Number: BRST—064-1(49)
P.I. Number: 533160
County: Chatham

Attachment 1 (cont'd)

3. BASE AND PAVING:		
a. ASPHALT PAVING: 1.5" Asph. Surface- 385TN @ $36.06/TN	$ 13,883	
4" Asphalt Surface--1027 TN-@$38.22/T	$ 39,239	
Tack Coat-- 327 gallons @ $0.91	$ 297	
Gross Aggr Base: 6"-- 4725 SY-@ $7.00/SY	$ 33,070	
Conc. Sidewalk: 4"-- 1945 SY-@ $22.53/SY	$ 43,821	
Conc. Curb & Gutter: TP 2-- 3500 LF-@ $12.71/LF	$ 44,485	
SUBTOTAL C-3.b		$ 174,795
b. Reinforce Concrete Approach Slab 310 SY@ $116.83/SY		$ 36,217
c. PERMANENT GRASSING--4.60 Ac @ $41.53/TN (30 LB/Ac)		$ 5,731
d. AG. LIME--4.60 Ac @ $53.92/TN (3.0 TN/Ac)		$ 744
e. Fertilizer mixed grade--4.60 Ac @ $235.39/TN (0.9TN/Ac)		$ 975
f. Fertilizer Nitrogen Content-- 4.60 Ac @ $1.85/LB (50 LB/Ac)		$ 426
SUBTOTAL C-3:		$ 218,888
4. LUMP ITEMS:		
a. EROSION CONTROL		$ 38,878
b. TRAFFIC CONTROL		$ 150,000
SUBTOTAL C-4:		$ 188,878
5. MISCELLANEOUS:		
a. SIGNING - MARKING		$ 1,470
b. GUARDRAIL - Install new guardrail 2371 LF @ $49.51/LF		$ 117,359
SUBTOTAL C-5:		$ 118,829
6. SPECIAL FEATURES-Cost of 4-mile off-site detour		$ 20,000
SUBTOTAL C-6:		$ 20,000
SUBTOTAL C:		$ 1,218,009

Project Concept Report Page 12
Project Number: BRST—064-1(49)
P.I. Number: 533160
County: Chatham

Attachment 1 (cont'd)

ESTIMATE SUMMARY		
A. RIGHT-OF-WAY	$	10,000
B. REIMBURSABLE UTILITIES	$	12,000
C. CONSTRUCTION		
1. MAJOR STRUCTURES	$	615,227
2. GRADING AND DRAINAGE:	$	56,187
3. BASE AND PAVING:	$	218,888
4. LUMP ITEMS:	$	188,878
5. MISCELLANEOUS:	$	118,829
6. SPECIAL FEATURES	$	20,000
SUBTOTAL CONSTRUCTION	$	1,218,009
INFLATION (5% PER YEAR)	$	124,846
NUMBER OF YEARS 2.0		
E. & C. (10%)	$	134,286
TOTAL CONSTRUCTION COST	$	1,477,141
GRAND TOTAL PROJECT COST	**$**	**1,499,141**

Project Concept Report Page 13
Project Number: BRST—064-1(49)
P.I. Number: 533160
County: Chatham

Attachment 2

PRELIMINARY COST ESTIMATE

PROJECT WITH ON-SITE TEMPORARY DETOUR

PROJECT NUMBER: BRST-064-1(49) COUNTY: Chatham

DATE: February 11, 2003 ESTIMATED LETTING DATE:

PREPARED BY: Parsons Transportation Group PROJECT LENGTH: 0.463

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

PROJECT COST		
A. RIGHT-OF-WAY:		
1. PROPERTY (LAND & EASEMENT)	$	100,000
2. DISPLACEMENTS: RES:0; BUS:0; M.H.:0	$	300,000
3. OTHER COST (ADM./COST, INFLATION)	$	-
SUBTOTAL A:	$	400,000
B. REIMBURSABLE UTILITIES:		
1. RAILROAD		
2. TRANSMISSION LINES	$	12,000
3. SERVICES		
SUBTOTAL B:	$	12,000
C. CONSTRUCTION		
1. MAJOR STRUCTURES		
a. BRIDGE- SR 25/ Ocean Highway Bridge over Norfolk Southern Railroad (226' L X 42'-5" W)	$	508,067
b. BRIDGE - SR 25/Ocean Highway Existing Bridge Demolition (156' L X 36' W) @ $10 / SF	$	56,160
c. BRIDGE- SR 25 Temporary on-site detour bridge over Norfolk Soutehrn (180' L X 42'-5"W)	$	190,890
SUBTOTAL C-1:	$	755,117
2. GRADING AND DRAINAGE:		
a. EARTHWORK-- 34965 CuYds--S.R. 25 @ $2.44	$	85,316
b. DRAINAGE:		
1) 40'-18" RCP & 4 Drop Inlets	$	4,144
SUBTOTAL C-2:	$	89,460

Project Concept Report Page 14
Project Number: BRST---064-1(49)
P.I. Number: 533160
County: Chatham

Attachment 2 (cont'd)

3. BASE AND PAVING:			
a. ASPHALT PAVING: 1.5" Asph. Surface- 799 TN @ $36.06/TN	$	28,812	
4" Asphalt Surface--2652 TN-@$38.22/T	$	101,360	
Tack Coat-- 557 gallons @ $0.91	$	507	
Gross Aggr Base: 6"-- 9613 SY-@ $7.00/SY	$	67,291	
Conc. Sidewalk: 4"-- 1945 SY-@ $22.53/SY	$	43,821	-
Conc. Curb & Gutter: TP 2-- 3500 LF-@ $12.71/LF	$	44,485	
		SUBTOTAL C-3.b	$ 286,276
b. Reinforce Concrete Approach Slab 310 SY@ $116.83/SY			$ 36,217
c. PERMANENT GRASSING--7.51 Ac @ $41.53/TN (30 LB/Ac)			$ 9,357
d. AG. LIME--7.51 Ac @ $53.92/TN (3.0 TN/Ac)			$ 1,215
e. Fertilizer mixed grade--7.51 Ac @ $235.39/TN (0.9TN/Ac)			$ 1,591
f. Fertilizer Nitrogen Content-- 7.51 Ac @ $1.85/LB (50 LB/Ac)			$ 695
		SUBTOTAL C-3:	$ 335,351
4. LUMP ITEMS:			
a. EROSION CONTROL			$ 38,878
b. TRAFFIC CONTROL			$ 150,000
		SUBTOTAL C-4:	$ 188,878
5. MISCELLANEOUS:			
a. SIGNING - MARKING			$ 2,688
b. GUARDRAIL - Install new guardrail 3792 LF @ $49.51/LF			$ 187,742
		SUBTOTAL C-5:	$ 190,430
6. SPECIAL FEATURES-			$ -
		SUBTOTAL C-6:	
		SUBTOTAL C:	$ 1,559,236

Project Concept Report Page 15
Project Number: BRST—064-1(49)
P.I. Number: 533160
County: Chatham

Attachment 2 (cont'd)

ESTIMATE SUMMARY		
A. RIGHT-OF-WAY	$	400,000
B. REIMBURSABLE UTILITIES	$	12,000
C. CONSTRUCTION		
1. MAJOR STRUCTURES	$	755,117
2. GRADING AND DRAINAGE:	$	89,460
3. BASE AND PAVING:	$	335,351
4. LUMP ITEMS:	$	188,878
5. MISCELLANEOUS:	$	190,430
6. SPECIAL FEATURES	$	-
SUBTOTAL CONSTRUCTION	$	1,559,236
INFLATION (5% PER YEAR)	$	159,822
NUMBER OF YEARS 2.0		
E. & C. (10%)	$	171,906
TOTAL CONSTRUCTION COST	$	1,890,963
GRAND TOTAL PROJECT COST	**$**	**2,302,963**

Project Concept Report Page 16
Project Number: BRST—064-1(49)
P.I. Number: 533160
County: Chatham

Attachment 3

PRELIMINARY COST ESTIMATE

FOR WIDENING EXISTING BRIDGE AND ROADWAY

PROJECT NUMBER: BRST-064-1(49) COUNTY: Chatham

DATE: February 11, 2003 ESTIMATED LETTING DATE:

PREPARED BY: Parsons Transportation Group PROJECT LENGTH: 0.31

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

PROJECT COST		
A. RIGHT-OF-WAY:		
1. PROPERTY (LAND & EASEMENT) 5.2 Acres @ 2,000 / Non-commercial acre	$	10,400
2. DISPLACEMENTS: RES:0; BUS:0; M.H.:0	$	-
3. OTHER COST (ADM./COST, INFLATION)	$	-
SUBTOTAL A:	$	10,400
B. REIMBURSABLE UTILITIES:		
1. RAILROAD		
2. TRANSMISSION LINES	$	12,000
3. SERVICES		
SUBTOTAL B:	$	12,000
C. CONSTRUCTION		
1. MAJOR STRUCTURES		
a. BRIDGE- SR 25/ Ocean Highway Bridge over Norfolk Southern Railroad (74' L X 22'-6" W) @	$	372,060
b. BRIDGE - SR 25/Ocean Highway Existing Bridge Demolition (0' L X 0' W) @ $10 / SF	$	-
c. GRAVITY WALL	$	51,000
SUBTOTAL C-1:	$	423,060
2. GRADING AND DRAINAGE:		
a. EARTHWORK-- 19845 CuYds--S.R. 25 @ $2.44	$	48,422
b. DRAINAGE:		
1) 40'-18" RCP & 4 Drop Inlets	$	7,183
SUBTOTAL C-2:	$	55,605

Project Concept Report Page 17
Project Number: BRST—064-1(49)
P.I. Number: 533160
County: Chatham

Attachment 3 (cont'd)

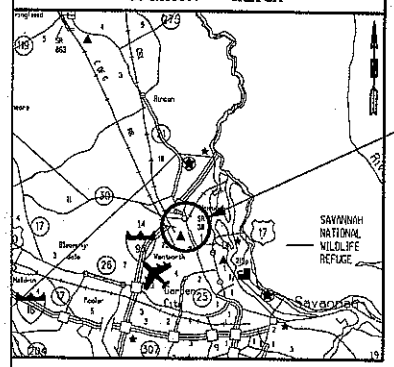
3. BASE AND PAVING:		
a. ASPHALT PAVING: 1.5" Asph. Surface-129TN @ $36.06/TN	$ 4,652	
4" Asphalt Surface--343 TN-@$38.22/T	$ 13,110	
Tack Coat-- 109 gallons @ $0.91	$ 100	
Gross Aggr Base: 6"-- 1612 SY-@ $7.00/SY	$ 11,284	
Conc. Sidewalk: 4"-- 1945 SY-@ $22.53/SY	$ 43,821	
Conc. Curb & Gutter: TP 2-- 3500 LF-@ $12.71/LF	$ 44,485	
	SUBTOTAL C-3.b	$ 117,452
b. Reinforce Concrete Approach Slab 620 SY@ $116.83/SY		$ 72,435
c. PERMANENT GRASSING--3.45 Ac @ $41.53/TN (30 LB/Ac)		$ 4,298
d. AG. LIME--3.45 Ac @ $53.92/TN (3.0 TN/Ac)		$ 558
e. Fertilizer mixed grade--3.45 Ac @ $235.39/TN (0.9TN/Ac)		$ 731
f. Fertilizer Nitrogen Content-- 3.45 Ac @ $1.85/LB (50 LB/Ac)		$ 319
	SUBTOTAL C-3:	$ 195,793
4. LUMP ITEMS:		
a. EROSION CONTROL		$ 16,713
b. TRAFFIC CONTROL		$ 150,000
	SUBTOTAL C-4:	$ 166,713
5. MISCELLANEOUS:		
a. SIGNING - MARKING		$ 6,386
b. GUARDRAIL - Install new guardrail 2387 LF @ $49.51/LF		$ 118,180
	SUBTOTAL C-5:	$ 124,566
6. SPECIAL FEATURES-Cost of 4-mile off-site detour		$ 20,000
	SUBTOTAL C-6:	$ 20,000
	SUBTOTAL C:	$ 985,737

Project Concept Report Page 18
Project Number: BRST—064-1(49)
P.I. Number: 533160
County: Chatham

Attachment 3 (cont'd)

ESTIMATE SUMMARY		
A. RIGHT-OF-WAY	$	10,400
B. REIMBURSABLE UTILITIES	$	12,000
C. CONSTRUCTION		
1. MAJOR STRUCTURES	$	423,060
2. GRADING AND DRAINAGE:	$	55,605
3. BASE AND PAVING:	$	195,793
4. LUMP ITEMS:	$	166,713
5. MISCELLANEOUS:	$	124,566
6. SPECIAL FEATURES	$	20,000
SUBTOTAL CONSTRUCTION	$	985,737
INFLATION (5% PER YEAR)	$	101,038
NUMBER OF YEARS 2.0		
E. & C. (10%)	$	108,678
TOTAL CONSTRUCTION COST	$	1,195,453
GRAND TOTAL PROJECT COST	**$**	**1,217,853**

LOCATION SKETCH



NOTE: THE CO-ORDINATES LISTED ARE EAST ZONE GRID CO-ORDINATES BASED ON THE GA. STATE PLANE CO-ORDINATE SYSTEM, VERTICAL DATUM 1988 HORIZONTAL DATUM 1983

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

ENGLISH

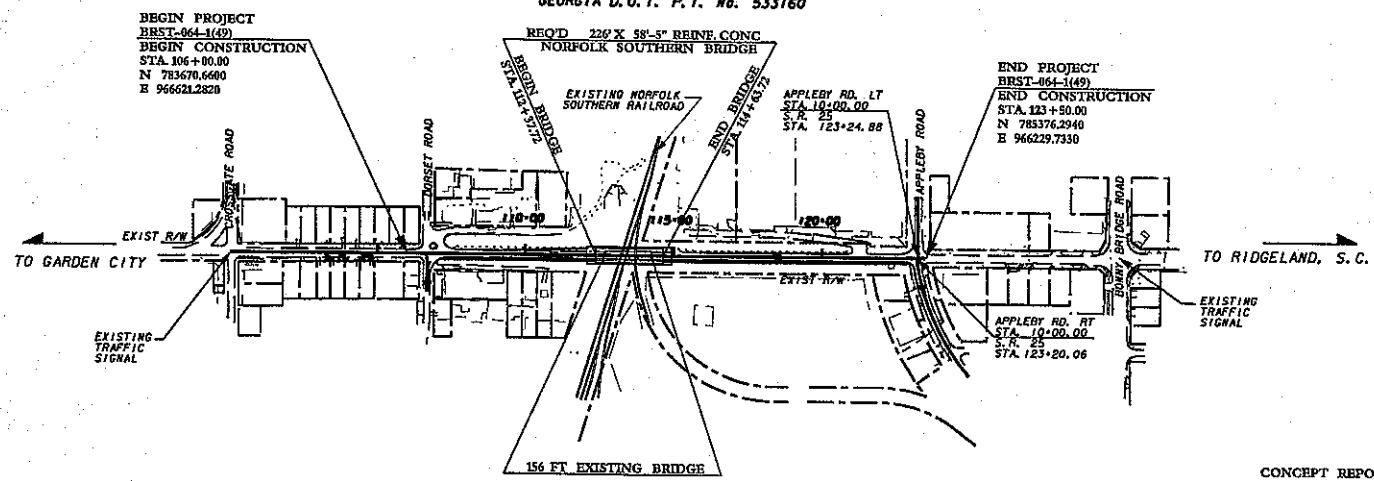
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BRST-064-1(49)	1	

PLAN AND PROFILE OF PROPOSED
BRIDGE REPLACEMENT ON S.R. 25 OCEAN HIGHWAY OVER NORFOLK SOUTHERN RAILROAD
CHATHAM COUNTY

FEDERAL AID PROJECT
BRST-064-1(49)

FEDERAL ROUTE NO. : N/A
STATE ROUTE NO: 25
GEORGIA D.O.T. P.I. No. 533160

MID POINT COORDINATES
STA. 114+75.00
N (Y) = 784523.476
E (X) = 966425.506
M.P. = 20.78



SCALE IN FEET
0 200 500 800

PARSONS TRANSPORTATION GROUP
225 PEACHTREE ST., NE, SUITE 1710
ATLANTA, GA 30303

NOTE:
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO 'STATE HIGHWAY DEPARTMENT OF GEORGIA', 'STATE HIGHWAY DEPARTMENT', 'GEORGIA STATE HIGHWAY DEPARTMENT', 'HIGHWAY DEPARTMENT', OR 'DEPARTMENT' WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA MEAN, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR IN ANY WAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF THE BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

DESIGN DATA:
TRAFFIC A.D.T.: 7000 (2008) S.R. 25
TRAFFIC A.D.T.: 10000 (2028) S.R. 25
TRAFFIC D.H.V.: EACH WAY
DIRECTIONAL DIST.: 50%
% TRUCES: 8% (24 HRS)
SPEED DESIGN: 35 MPH
PROJECT DESTINATION :
FUNC. CLASS.: URBAN PRINCIPAL ARTERIAL

BRST-064-1(49) CHATHAM COUNTY PI NUMBER 533160	COUNTY CODE NO. 51
LENGTH OF PROJECT	S.R. 25 OCEAN HWY
	MILES
NET LENGTH OF ROADWAY	0.287
NET LENGTH OF BRIDGES	0.044
NET LENGTH OF PROJECT	0.287
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.331

CONCEPT REPORT APPROVAL DATE: _____
LOCATION & DESIGN APPROVAL DATE: _____

DATE	STATE CONSULTANT DESIGN ENGINEER
DATE	CHIEF ENGINEER

P.F.P.R. HELD	
FINAL F.P.R. HELD	
PLANS COMPLETED	

REVISION DATES:

PROJECT NO. BRST-064-1(49) , CHATHAM COUNTY

THIS PROJECT IS LOCATED 100% IN CHATHAM COUNTY AND CONGRESSIONAL DISTRICT 1.

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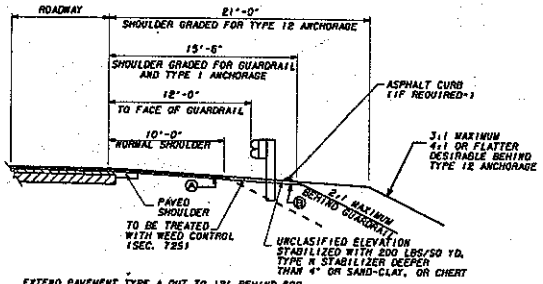
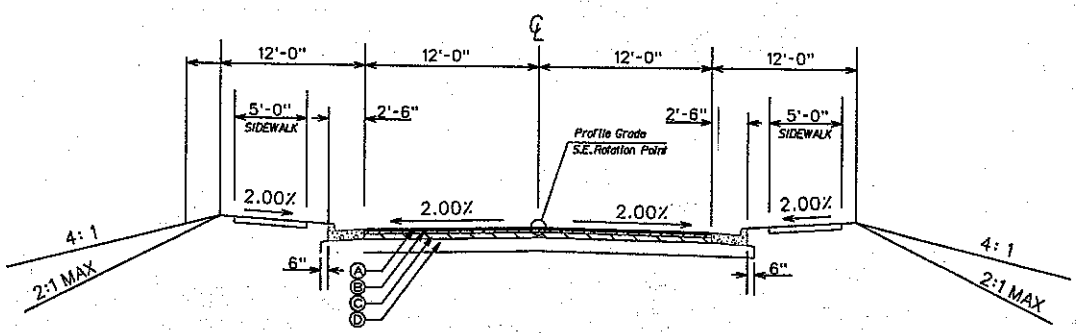


EXTEND PAVEMENT TYPE A OUT TO 12' BEHIND EOP
EXTEND PAVEMENT TYPE B OUT TO 15.5' BEHIND EOP

TYPICAL SHOULDER DETAIL FOR GUARDRAIL

* ASPHALTIC CONCRETE CURB PER SECTION 436 SHALL BE REQUIRED WHERE SPECIFIED. TYPICAL USE IS FOR EROSION PREVENTION OF HIGH FILL SLOPES. THE SHAPE OF ASPHALTIC CURB BEHIND GUARDRAIL MAY VARY AS APPROVED BY THE ENGINEER.

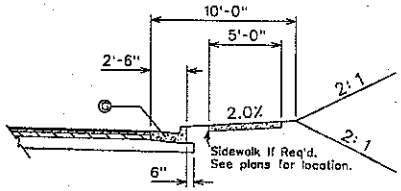
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BRST-D64-Y491		
REVISION DATES			



TYPICAL SECTION # 1
TANGENT SECTION
PROPOSED S.R. 25/OCEAN HWY

SLOPE CONTROL FILL & CUT	
SLOPE	HIGH FROM SHLD. PT.
4:1	0'-10'
*2:1	OVER 10'

*GUARDRAIL IS REQUIRED ON FILL SECTION



DETAIL FOR CURB & GUTTER
SEE PLAN FOR LOCATION

ALLOWABLE RANGES TABLE

FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

A. NORMAL CROWN

SECTION WITH GRADES 0.5% OR GREATER	SECTION WITH GRADES LESS THAN 0.5%
0.0150 ft/ft - MINIMUM	0.0156 ft/ft - MINIMUM
0.0208 ft/ft - DESIRABLE	0.0208 ft/ft - DESIRABLE
0.0250 ft/ft - MAXIMUM	0.0300 ft/ft - MAXIMUM

B. SUPERELEVATION RATE

S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.

C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)

	RATE OF CHANGE	CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT
MINIMUM	1:150	0.67%
DESIRABLE	1:200	0.50%
MAXIMUM	1:300	0.33%

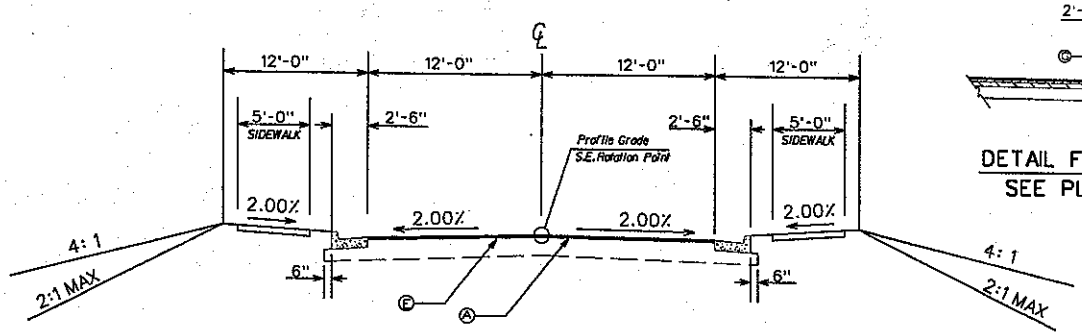
LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.

D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES

50% OF TRANSITION INSIDE CURVE - MAXIMUM
33% OF TRANSITION INSIDE CURVE - DESIRABLE
20% OF TRANSITION INSIDE CURVE - MINIMUM

NOTE: CROWN WIPE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.

E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).



TYPICAL SECTION # 2
OVERLAY SECTION
PROPOSED S.R. 25/OCEAN HWY

REQUIRED PAVEMENT

- (A) RECYCLED ASPH CONC 12.5mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LBS/SY)
- (B) RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & LIME (220 LBS/SY)
- (C) RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (660 LBS/SY)
- (D) GR AGGR BASE CORS, 10", INCL MATL
- (E) RECYCLED ASPH CONC LEVELING, INCL BITUM. MATL & LIME

NOTE:
ON S.R. 25 ALL OUTSIDE PAVED SHOULDERS SHALL HAVE 3' INDENTATION RUMBLE STRIPS.

NOT TO SCALE

PARSONS TRANSPORTATION GROUP
225 PEACHTREE ST., NE, SUITE 1710
ATLANTA, GA 30303

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF ROADWAY DESIGN

TYPICAL SECTION
S.R. 25/OCEAN HWY OVER NORFOLK SOUTHERN

DRAWING NO. 3-01

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Structure ID: 051-0053-0 **Chatham County** SUFF. RATING: 55.9

Location & Geography

* Structure I.D. No.: 051-0053-0
200 Bridge Information: 07

* 6A Feature Int.: CSX RAILROAD
* 6B Critical Bridge: 0
* 7A Route Number Carried: SR00025
* 7B Facility Carried: OCEAN HIGHWAY
* 9 Location: 5 MI N OF SAVANNAH
2 DOT District: 5
207 Year Photo: 1998

* 91 Inspection Frequency: 24 Date: 07/27/2000
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: 32048

* 5 Inventory Route (O/U): 1
Type: 3
Designator: 1
Number: 00025
Direction: 0

* 16 Latitude: 32-09.2
* 17 Longitude: 81 -09.8

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: 018.70

* 208 Inspection Area: 05 Initials: JEC

* Location I.D. No: 051-00025D-018.68N
* XReferen I.D. No: 000-000000-000.000

* 104 Highway System: 0
* 26 Functional Classification: 14
* 204 Federal Route Type: F No: 064-1
* 110 Truck Route: 0
206 School Bus Route: 1
217 Benchmark Elevation: 0.00
218 Datum: 0
* 19 Bypass Length: 2
* 20 Toll: 3
* 21 Maintenance: 01
* 22 Owner: 01
* 31 Design Load: 2
37 Historical Significance: 5
205 Congressional District: 01
* 27 Year Constructed: 1939
106 Year Reconstructed: 0000
33 Bridge Median: 0
34 Skew: 15
35 Structure Flared: 0
38 Navigation Control: N
213 Special Steel Design: 0
267 Type of Paint: 0

* 42 Type Service On: 5
Under: 2
214 Movable Bridge: 00
203 Type Bridge: D-O-O-O
259 Pile Encasement: 3
* 43 Structure Type Main: 1 04
45 No. Spans Main: 004
44 Structure Type Appr: 0 0
46 No. Spans Appr: 0000
226 Bridge Curve Horz: 0 Vert: 1
111 Pier Protection: 0
107 Deck Structure Type: 1

108 Wearing Surface Type: 6
Membrane: 8
Protection: 8

Signs & Attachments

223 Expansion Joint Type: 02
242 Deck Drains: 0

243 Parapet Location: 0
Height: 0
Width: 0

238 Curb: 0.6 1
239 Handrail: 1 1
* 240 Median Barrier Rail: 0

241 Bridge Median Height: 0
Width: 0

* 230 Guardrail Loc Dir Rear: 3
Fwrd: 3
Oppo Dir Rear: 0
Fwrd: 0

244 Approach Slab: 0
224 Retaining Wall: 0

233 Posted Speed Limit: 45
236 Warning Sign: 0
234 Delineator: 1
235 Hazard Boards: 1

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

247 Lighting Street: 0
Navigation: 0
Aerial: 0

* 248 County Continuity No: 00

Programming Data

201 Project No: WPGH 318 REOP
202 Plans Available: 1
249 Prop. Proj No: BRST-064-1 (49)
250 Approval Status: 6021
251 P.I. No: 533160
252 Contract Date: 02/01/2005
260 Seismic No: 00000
75 Type Work: 34 1
94 Bridge Imp. Cost: $ 212
95 Roadway Imp. Cost: $ 53
96 Total Imp. Cost: $ 343
76 Imp. Length: 000367
97 Imp. Year: 1990
114 Future ADT: 012090 Year: 2019

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: N
216 Water Depth: 00.0 Br Height: 00.0
222 Slope Protection: 6
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: 051-00025D-018.68N
* XReferen I.D. No: 000-000000-000.000

Measurements

* 29 ADT: 008060 Year: 1999
109 % Trucks: 8
* 28 Lanes On: 02 Under: 00
210 No. Tracks On: 00 Under: 03
* 48 Max. Span Length: 0042
* 49 Structure Length: 156
51 Br. Rdwy. Width: 23.8
52 Deck Width: 36.5
* 47 Tot. Horz. Cl: 23.8
50 Curb/Sdewlk Width: 5.0/5.0
32 Approach Rdwy Width: 022
* 229 Shlder Width:
Rear Lt: 6.0 Type: 8 Rt: 6.0
Fwrd Lt: 6.0 Type: 8 Rt: 6.0
Pvment Width:
Rear: 22.0 Type: 2
Fwrd: 22.0 Type: 2
Intersection Rear: 1 Fwrd: 1
36 Safety Features Br. Rail: 2
Transition: 2
App. G. Rail: 1
App. Rail End: 2
53 Minimum Cl. Over: 99' 99"
Under: R 20' 06"
* 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: R 9.3
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: 6.0
Deck Thick Approach: 0.0
246 Overlay Thickness: 4.5
211 Tons Structural Steel: 0.0
212 Year Last Painted: Sup: 0000 Sub: 0000

Ratings

66 Inventory Type: 2 Rating: 20
64 Operating Type: 2 Rating: 36
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: 15
262 H Operating Rating: 32
67 Structural Evaluation: 4
58 Deck Condition: 7
59 Superstructure Condition: 7
* 227 Collision Damage: 0
60A Substructure Condition: 7
60B Scour Condition: N
60C Underwater Condition: N
71 Waterway Adequacy: N
61 Channel Protection Cond: N
68 Deck Geometry: 2
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

February 24, 2003

State of Georgia
Department Of Transportation

Project Concept Report Page 19
Project Number: BRST—064-1(49)
P.I. Number: 533160
County: Chatham

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. BRST-064-1(49)

P.I. No. 533160

Notice is hereby given in compliance with Georgia code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

This project consists of improvements of S.R. 25/ Ocean Highway over Norfolk Southern Railroad, located in Chatham County. The improvement project includes replacing the existing two-lane bridge over CSX Railroad.

Date of Location Approval: APRIL 21, 2003

Drawings and/or maps, and/or plats of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation.

James Brown
Georgia Department of Transportation
Area 5 Office, P.O. Box 1212
Savannah, Georgia 31402
(912) 651-2144

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

James B. Buchan
Georgia Department of Transportation
No. 2 Capital Square
Atlanta, Georgia 30334
(404) 463-6133

MEETING MINUTES

Meeting Date: March 20, 2002

Attendees:

James L. Brown, GDOT-Savannah	Stephen Thomas, GDOT-Utilities
Cynthia Phillips, GDOT-Traffic Ops.	Howell Clements, GDOT-Utilities
Teresa Scott, GDOT-Preconstruction	Marqie Blake-Pickett, Savannah Electric
Gary Sands, GDOT-Location	Kurt Hoffman, Bellsouth
Donnie Boyd, GDOT-Location	Aykut Urgen, PTG

Projects : BRST-064-1(49) Chatham County
P.I.No. 533160
SR 25/Ocean Highway @ Norfolk Southern Railroad 5 miles North of Savannah

On March 20, 2002, at 1:00 p.m., a meeting for the above referenced project was held in Georgia Department of Transportation District 5, Jesup Office. The following items were discussed during the meeting;

1. Estimated schedule for this project has been identified by GDOT representatives as follows;
    - Approval of R/W Plans..... 2004
    - Beginning of Construction..... 2006
2. Conceptual Layout prepared by PTG has been accepted with the following comments;
    - A public involvement meeting to be held to inform the residents about the alignment of off-site detour.
    - The Savannah Electric representative presented a sketch showing that the vertical clearance over the bridge for the existing 230KV Transmission Line is 49 feet. This height is sufficient for the proposed bridge profile considering a 2 feet raise in the existing elevation. However PTG will make a note on the utility plans saying that the contractor has to pay attention to the existing O/H lines and that they will be responsible for any damage they make to the line during construction.
    - GDOT representatives stated that a decision has to be made to improve the roadway section between the end of the project on the north side and the Bonny Bridge Road. PTG will be instructed accordingly once the decision made.

- Similar to the existing bridge, the new bridge will have sidewalks on both sides for possible future extension however the sidewalk will be constructed only on one side of the roadway up to the access roads on both sides of the bridge.
- GDOT representatives stated that in order for the proposed off-site detour to work, the proposed bridge construction on SR307 should be completed because it is on the proposed detour alignment. Since the scheduled letting date for SR307 bridge is at the end of 2002 and the scheduled letting date for this project is in 2006, there should not be any conflicts.

J. TOM COLEMAN, JR.
COMMISSIONER
(404) 656-5206

FRANK L. DANCHETZ
CHIEF ENGINEER
(404) 656-5277

Department of Transportation
State of Georgia

HAROLD E. LINNENKOHL
DEPUTY COMMISSIONER
(404) 656-5212

EARL MAHFUZ
TREASURER
(404) 656-5224

INTERDEPARTMENT CORRESPONDENCE

April 22, 2002

FROM: Buddy Gratton, P.E., State Maintenance Engineer

TO: James B. Buchan, P.E., State Consultant Design Engineer
Attn: Ted Cashin

SUBJECT: Bridge Replacement

BRST-064-1 (49) / Chatham
Structure ID 051-0053-0
Location ID 051-00025D-018.68N
SR 25 over CSX Railroad

This bridge was built in 1939 and consists of concrete bents, concrete T- beam superstructure, and a concrete deck. The original design load capacity is H-15. The sufficiency rating on the structure is 55.9, and the bridge is classified as Functionally Obsolete and requires widening. However, in accordance with DOT policy 2405-1, we recommend that this bridge be replaced though due to unacceptable load capacity. Due to this criteria no additional cost analysis or coring by the lab will be required. This bridge does not currently qualify for federal replacement BR funding but does qualify for federal bridge widening funds which can be used toward replacement up to the estimated cost of widening. The remaining funds would have to come from another funding source.

If further information is required, please contact Brian Summers at (404) 635-8179.

BG/BKS

cc: Percy Middlebrooks

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: **P.I. No. 533160**

OFFICE: Environment/Location

DATE: February 26, 2003

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

FEB 28 2003

TO: Meg Pirkle, Assistant Director of Preconstruction

SUBJECT: **PROJECT CONCEPT REPORT**
BRST-064-1(49) – CHATHAM COUNTY

The above subject concept report has been reviewed. Since the suff. rating is higher than 50, do we qualify for BRST funding? FHWA asked that this should be discussed in document. Is there a more updated rating?

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

HDK/rtt

Attachment

cc: David Mulling, P.E.
James B. Buchan

February 11, 2003

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

Project Concept Report

Project Number: BRST-064-1(49)
County: Chatham
P. I. Number: 533160

Federal Route Number:
State Route Number: 25

Recommendation for Approval:

DATE 2-14-03 — Project Manager

DATE 2-14-03 — State Consultant Design Engineer

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

DATE _____ — State Transportation Planning Administrator

DATE _____ — Office of Financial Management Administrator

DATE 2/26/03 — State Environmental/Location Engineer

DATE _____ — State Traffic Safety and Design Engineer

DATE _____ — District Engineer

DATE _____ — Project Review Engineer

DATE _____ — State Bridge Design Engineer

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February 11, 2003

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

Project Concept Report

Project Number: BRST-064-1(49)
County: Chatham
P. I. Number: 533160

Federal Route Number:
State Route Number: 25

Recommendation for Approval:

DATE 2-14-03 — Project Manager

DATE 2-14-03 — State Consultant Design Engineer

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

DATE 3-4-03 — State Transportation Planning Administrator

DATE _____ — Office of Financial Management Administrator

DATE _____ — State Environmental/Location Engineer

DATE _____ — State Traffic Safety and Design Engineer

DATE _____ — District Engineer

DATE _____ — Project Review Engineer

DATE _____ — State Bridge Design Engineer

L:\644903 WO 14\903.14.00 CONC DGN\644903 PROJ CONC REPORT.DOC

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

RECEIVED
MAR 24 2003

File: BRST-064-1(49), Chatham County
P.I. No. 533160

Office: Traffic Safety & Design
Atlanta, Georgia
Date: March 6, 2003

PMA/c

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 proposed bridge replacement along State Route 25 over CSX Railroad in Chatham County.

The Office of Traffic Safety & Design finds this report satisfactory for approval because it will improve safety and traffic operations within this area.

PMA/sz

Attachment (signature page)

Cc: Harvey Keepler, State Environment/Location Engineer
James Buchan, State Consultant Design Engineer
Attention: Otis Clark
Gary Priester, District Engineer - Jesup
Attention: Dennis Odom, District Design Engineer
David Mulling, State Review Engineer, w/ attachment
Marta Rosen, State Transportation Planning Administrator
Paul Liles, State Bridge & Structural Design Engineer
Chuck Hasty, TMC
General Files
Office Files

February 11, 2003

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

Project Concept Report

Project Number: BRST-064-1(49)
County: Chatham
P. I. Number: 533160

Federal Route Number:
State Route Number: 25

Recommendation for Approval:

DATE 2-14-03 — Project Manager

DATE 2-14-03 — State Consultant Design Engineer

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

DATE _____ — State Transportation Planning Administrator

DATE _____ — Office of Financial Management Administrator

DATE _____ — State Environmental/Location Engineer

DATE 3/7/03 — State Traffic Safety and Design Engineer

DATE _____ — District Engineer

DATE _____ — Project Review Engineer

DATE _____ — State Bridge Design Engineer

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February 11, 2003

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

Project Concept Report

Project Number: BRST-064-1(49)
County: Chatham
P. I. Number: 533160

Federal Route Number:
State Route Number: 25

Recommendation for Approval:

DATE 2-14-03 — Project Manager

DATE 2-14-03 — State Consultant Design Engineer

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

DATE _____ — State Transportation Planning Administrator

DATE _____ — Office of Financial Management Administrator

DATE _____ — State Environmental/Location Engineer

DATE _____ — State Traffic Safety and Design Engineer

DATE _____ — District Engineer

DATE _____ — Project Review Engineer

DATE 2/20/03 — State Bridge Design Engineer

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February 24, 2003

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

Project Concept Report

Project Number: BRST-064-1(49)
County: Chatham
P. I. Number: 533160

Federal Route Number:
State Route Number: 25

Recommendation for Approval:

DATE 4-3-03 _____ Project Manager

DATE 4-9-03 _____ State Consultant Design Engineer

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

DATE _____ State Transportation Planning Administrator

DATE _____ Office of Financial Management Administrator

DATE _____ State Environmental/Location Engineer

DATE _____ State Traffic Safety and Design Engineer

DATE _____ District Engineer

DATE 4/16/03 _____ Project Review Engineer

DATE _____ State Bridge Design Engineer

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