

ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0000-00(688) Atkinson County **OFFICE** Preconstruction
P. I. No. 0000688
DATE January 12, 2001

FROM *CWH*
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:

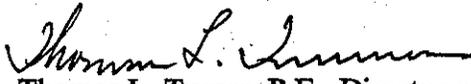
Tom Turner
David Mulling
Harvey Keeper
Jerry Hobbs
Herman Griffin
Michael Henry
Marion Waters
Marta Rosen
Paul Liles
Jimmy Chambers (ATTN: Ted Cashin)
David Crim

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0000-00(688) Atkinson County **OFFICE** Preconstruction
P.I. No. 0000688

DATE December 18, 2000

FROM 
Thomas L. Turner, P.E., Director of Preconstruction

TO J. Tom Coleman, Jr., Commissioner

SUBJECT PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on SR 135 over Dark Bay Creek, 4.0 miles north of Willacoochee, Georgia. The existing bridge, constructed in 1951, is load limited with a sufficiency rating of 33. State Route 135 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. Traffic is projected to be 2,600 VPD and 4,300 VPD in the years 2006 and 2026 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate SR 135 east of its present location, extending a total of 0.45 mile. The proposed new bridge will be 120' x 44' and will be located just east of the existing bridge structure. The relocated SR 135 will consist of two, 12' lanes with 10' rural shoulders (2' paved). Traffic will be maintained on the existing bridge while the proposed bridge is constructed.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; time saving procedures are appropriate.

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)	\$1,189,000	\$488,000	2004	FY-04
Right-of-Way	\$ 50,000	\$ 10,000		
Utilities*	LGPA	LGPA		

*Atkinson County signed LGPA on 4-24-00 for utilities.

J. Tom Coleman, Jr.
Page 2

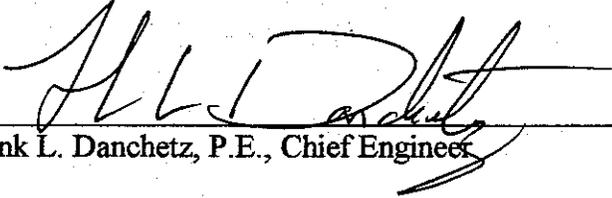
BR-0000-00(688) Atkinson
December 18, 2000

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

TLT:JDQ/cj

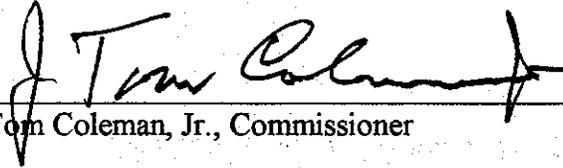
Attachment

CONCUR



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

APPROVE



J. Tom Coleman, Jr., Commissioner

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BR-0000-00(688) Atkinson
P.I. Number 0000688

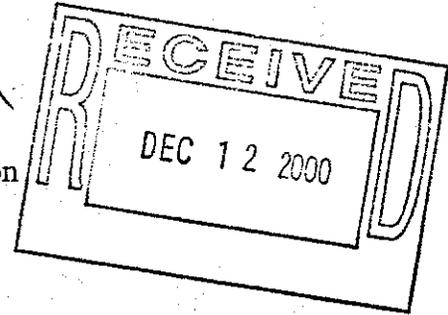
OFFICE: Atlanta, Georgia

DATE: December 11, 2000

FROM: David Mulling, Project Review Engineer *DTM*

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT



We have reviewed the concept report submitted December 11, 2000 by the letter from Ted Cashin dated December 6, 2000, and have no comment.

The costs for the project are:

Construction	\$983,000
Inflation	\$ 98,000
E&C	\$108,000
Reimbursable Utilities	\$ 10,000
Right of Way	\$ 50,000

DTM

c: Ted Cashin -- Office of Consultant Design

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE **BR-0000-00(688)- Atkinson County**
SR 135 over Dark Bay Creek ~~0144~~, 4 mi N. of Willacoochee
P.I. No. 0000688

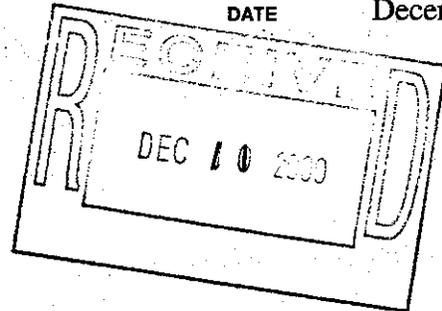
OFFICE Atlanta

FROM Ted Cashin, Office of Consultant Design

DATE December 6, 2000

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT **PROJECT CONCEPT REPORT**



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

cc: Marta Rosen, State Transportation Planning Administrator
Herman Griffin, State Transportation Programming Engineer
Harvey Keeper, State Environment/Location Engineer
David Crim, District Engineer - Tifton
David Mulling, Project Review Engineer
Marion Waters, State Traffic Operations Engineer
Paul Liles, State Bridge & Structural Engineer
Ted Cashin, Office of Consultant Design

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BR-0000-00(688)

County: Atkinson

P. I. Number: 0000688

DESCRIPTION: SR 135 over Dark Bay Creek, 4 mi north of Willacoochee

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: December 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

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

Date

State Transportation Planning Administrator

Date

State Transportation Programming Engineer

Date

State Environmental/Location Engineer

Date

District Engineer / ~~Fernille~~ TIFTON

Date

Project Review Engineer

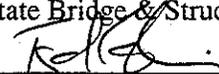
Date

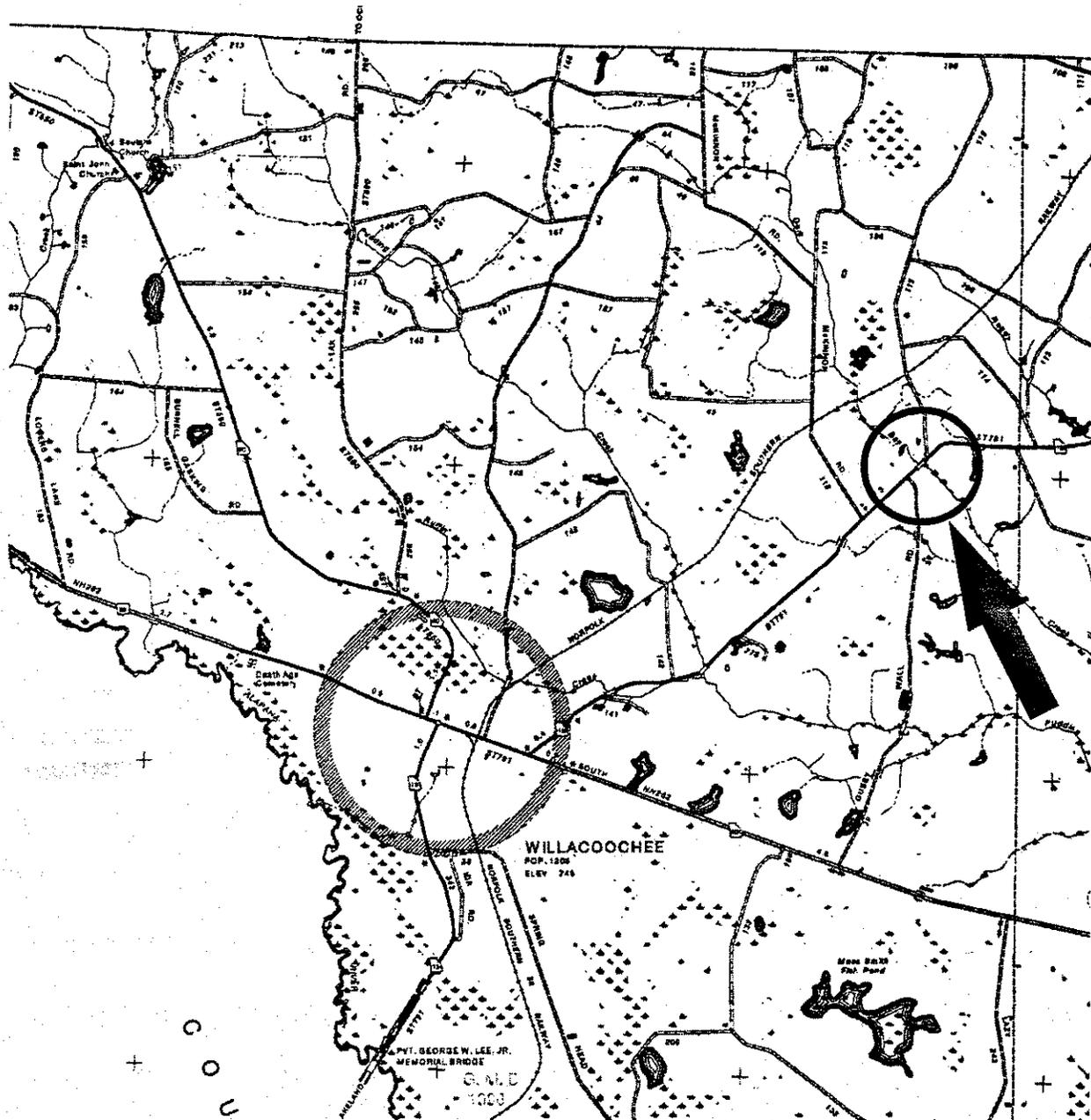
State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

12-8-00
Date


Project Manager



PROJECT LOCATION MAP

**Project: BR-0000-00(688) Atkinson County P.I. No.: 0000688
S.R. 135 over Dark Bay Creek**

PROJECT CONCEPT REPORT

DATE: December 5, 2000

PROJECT NUMBER: BR-0000-00(688)

COUNTY: Atkinson

DESCRIPTION: Bridge Replacement

LENGTH: The total length of this project is approximately 2400 feet (0.45 miles)

P.I. NO.: 0000688

U.S. ROUTE NO.: N/A STATE RT. NO.: 135

LOCATION: SR 135 over Dark Bay Creek, 4 mi N. of Willacoochee

MILE POINT REFERENCE:

BEGIN 7.29 END N/A

TRAFFIC

CURRENT

PROJECTED

YEAR: 2006 ADT: 2600

YEAR: 2026 ADT: 4300

PDP CLASSIFICATION

FUNCTION CLASSIFICATION

Minor

Rural Minor Arterial

FOS ()

EXEMPT(X)

N/A ()

EXISTING DESIGN

TYPICAL SECTION: 2 lane rural with R/W width of 80 ft.

POSTED SPEED 55 MI/HR

MAX. DEGREE OF CURVE 0°- 45'

MAX. EXISTING GRADE 0.2 %

EXISTING MAJOR STRUCTURES: 3 spans at 27'-0" typical length consisting of I-Beams and steel H-Pile bents.

FEATURE INTERSECTED: Dark Bay Creek

S. RTG: 33.3

LENGTH: 81 feet

WIDTH: 23.8 feet

PROJECT NEED & PURPOSE: The purpose of this project is to replace the structurally deficient bridge. See attached Need & Purpose Statement.

PROPOSED DESIGN

PROPOSED TYPICAL SECTION: Two 12'-0" travel lanes with 10' shoulders. Typical section attached.

PROPOSED RIGHT-OF-WAY WIDTH: Additional 80 ft on the west. Acquired by the State of Georgia.

DESIGN SPEED: 55 MI/HR

MAX. DEGREE OF CURVE: ALLOWABLE: 5° 45'

PROPOSED: 1°

MAX. GRADE: ALLOWABLE: 4.5 %

PROPOSED: 0.2 %

TYPE ACCESS: Permit

TRAFFIC CONTROL DURING CONSTRUCTION:

Two-way traffic will be maintained on the existing bridge while proposed bridge is constructed.

PROPOSED STRUCTURES: The proposed bridge will be 44'-0" wide, consisting of two 12'-0" travel lanes and 10'-0" shoulders. The bridge is expected to be 120' long.

DESIGN EXCEPTIONS REQUIRED

<u>CONTROLLING CRITERIA</u>	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
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)

NUMBER OF PARCELS: 4

DISPLACEMENTS: NONE

COORDINATION AND SCHEDULING

CONCEPT TEAM MEETING DATE: 5/23/00

CONFORMS TO TIP/STIP? YES

MEETS LOGICAL TERMINI REQUIREMENTS? YES

P.A.R. MEETING: NONE ANTICIPATED

LEVEL OF ENVIRONMENTAL ANALYSIS: C. E.

PUBLIC INVOLVEMENT: NONE ANTICIPATED

PERMITS REQUIRED (COE 404, WATER QUALITY, TVA): NW 404

TIME SAVINGS PROCEDURES APPROPRIATE: YES

SCHEDULING CONSIDERATIONS:

TIME TO COMPLETE ENVIRONMENTAL: 6 (MONTHS)

TIME TO COMPLETE PRELIMINARY RD/RW PLANS: 5 (MONTHS)

TIME TO COMPLETE 404 PERMIT: 2 (MONTHS)

TIME TO COMPLETE FINAL CONSTRUCTION PLANS: 3 (MONTHS)

TIME TO BUY RIGHT OF WAY: 6 (MONTHS)

LOCAL GOVERNMENT COMMITMENTS: _____

OTHER PROJECTS IN THE AREA: BRST-079-1(47), BRST-079-1(48). These projects are bridge replacements along S.R. 135. Construction will not directly impact this project.

PROBABLE LOCATIONS OF USTS: NONE IDENTIFIED

PROBABLE LOCATION OF HAZARDOUS WASTE: NONE IDENTIFIED

ALTERNATES CONSIDERED: (1) Build proposed bridge on same location of the existing alignment with temporary detour to the west; (2) Build proposed bridge parallel and offset to the east from existing, abandon or demolish existing bridge; (3) Close road, detour traffic offsite and build bridge on existing alignment; (4) Build Bridge Culvert; (5) No Build.

Cost Comparison Summary of Concepts 1 - 3

COMMENTS: Alternate (2) is selected for this concept. Due to the existing alignment, a parallel offset bridge can be built, the alignment shifted with a construction length of 2400 feet. Alternate (1) was eliminated due to the higher cost of constructing/removing a temporary detour road and bridge. Alternate (3) was eliminated due to lengthy substandard offsite detour routes. Alternate (5) was eliminated due to the high costs of maintaining a structurally deficient bridge and Alternate (4) has not been eliminated and will be studied during preliminary design.

ATTACHMENTS: COST ESTIMATE, NEED & PURPOSE, TYPICAL SECTIONS, BRIDGE INVENTORY, TRAFFIC ASSIGNMENTS, FLEXIBLE PAVEMENT DESIGN, LOCATION & DESIGN NOTICE, AND CONCEPT TEAM MEETING MINUTES.

PRELIMINARY COST ESTIMATE

DATE: December 5, 2000

PREPARED BY: Heath & Lineback Engineers, Inc.

PROJECT NO.: BR-0000-00688

P.I. NO.: 0000688

LENGTH: 2400 feet (0.45 miles)

PROJECT DESCRIPTION: SR 135 over Dark Bay Creek, 4 mi north of Willacoochee - Proposed bridge length of 120 ft and 44' wide.

PROPOSED CONCEPT: The proposed bridge consists of two 12'-0" travel lanes with 10'-0" shoulders. Traffic will be maintained on the existing bridge while the proposed bridge is constructed.

EXISTING ROADWAY: State Route 135

TRAFFIC: Existing: 2600 ADT (2006)

Design: 4300 ADT (2026)

() PROGRAMMING PROCESS (x) CONCEPT DEVEL. () DURING PROJ DEVEL.

PROJECT COSTS

PROJECT COSTS

**12/05/00 DETAILED COST ESTIMATE FOR PROJECT NO. 0000688 - BR-0000-00688 IN ATKINSON COUNTY
SR 135 OVER DARK BAY CREEK, 4 MI NORTH OF WILLACOOCHEE**

ITEM NO.	ITEM	UNIT	UNIT COST	QUANT	TOTAL
ROADWAY					
210-0100	GRADING COMPLETE -	LS	\$360,000.00	1	\$360,000.00
310-5060	GR AGGR BASE CRS, 6 INCH, INCL MATL	SY	\$6.25	7093	\$44,333.33
318-3000	AGGR SURF CRS	TN	\$14.38	50	\$719.00
402-0111	RECYCLED ASPH CONC B, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	\$33.50	814	\$27,267.66
402-0120	RECYCLED ASPH CONC BASE, GP 1 OR 2, INCL BITUM MATL & H	TN	\$33.93	814	\$27,617.66
402-0130	RECYCLED ASPH CONC E, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	\$35.05	610	\$21,396.97
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	\$36.29	20	\$725.80
413-1000	BITUM TACK COAT	GL	\$0.84	497	\$417.09
433-1000	REINF CONC APPROACH SLAB	SY	\$80.55	310	\$24,970.50
441-0301	CONC SPILLWAY, TP 1	EA	\$1,119.28	2	\$2,238.56
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	\$25.31	200	\$5,062.00
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	EA	\$356.29	4	\$1,425.16
576-1015	SLOPE DRAIN PIPE, 15 IN	LF	\$19.49	100	\$1,949.00
577-1100	METAL DRAIN INLET - COMPLETE ASSEMBLY	EA	\$843.19	2	\$1,686.38
641-1100	GUARDRAIL, TP T	LF	\$24.55	83	\$2,037.65
641-1200	GUARDRAIL, TP W	LF	\$10.88	2000	\$21,760.00
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	\$433.10	0	\$0.00
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	\$1,632.38	4	\$6,529.52
SUBTOTAL					\$550,136.29
EROSION CONTROL					
161-1000	EROSION CONTROL -	LS	\$20,000.00	1	\$20,000.00
SUBTOTAL					\$20,000.00
BRIDGE					
540-1102	REMOVAL OF EXISTING BR, BR NO -	LS	\$30,000.00	1	\$30,000.00
543-1001	CONSTRUCTION OF BRIDGE NO. (\$55/SF X 5280 SF)	LS	\$290,400.00	1	\$290,400.00
603-2024	STN DUMPED RIP RAP, TP 1, 24 IN	SY	\$35.67	1400	\$49,938.00
SUBTOTAL					\$370,338.00
TRAFFIC SIGN & MARKING					
000-0000	TRAFFIC SIGNING & MARKING	LS	\$10,000.00	1	\$10,000.00
SUBTOTAL					\$10,000.00
TRAFFIC CONTROL - STAGED CONSTRUCTION					
150-1000	TRAFFIC CONTROL -	LS	\$20,000.00	1	\$20,000.00
622-1032	PRECAST CONCRETE MEDIAN BARRIER, METHOD 2	LF	\$24.65	500	\$12,325.00
SUBTOTAL					\$32,325.00
CONSTRUCTION COST					\$982,799.29

CONSTRUCTION:	\$982,799	RIGHT OF WAY:	\$50,000.00
E & C (10%):	\$98,280	ACQUIRED BY:	DOT
INFLATION:	\$100,737	UTILITIES:	\$10,000
<i>(2 yrs. @ 5% per yr)</i>			

TOTAL CONS'T COSTS \$1,181,816

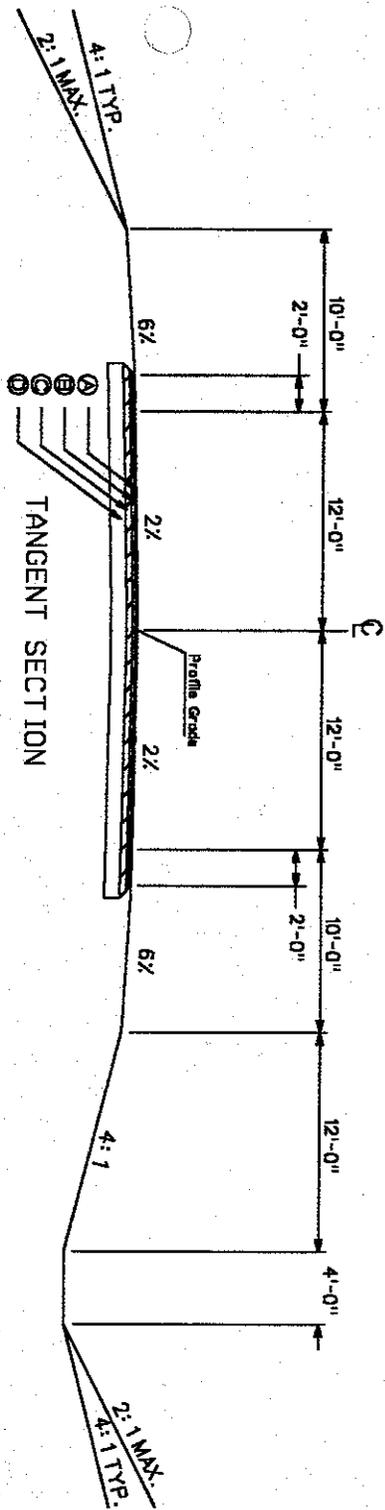
Need and Purpose
ATKINSON COUNTY
BRST-079-1 (688)
PI # 0000688

Bridge project BR-0000-00(688) will replace the structurally deficient bridge at State Route 135 over the Dark Bay Creek. The project is the result of a structural evaluation of bridges on the State Highway System supported by 10 inch H-Piles or smaller. There is no roadway project associated with the bridge replacement. The bridge, constructed in 1951, has two-lanes and a deck width of 30.1 feet. The 1998 AADT is 2,100 vehicles, and traffic is projected to increase to 4,300 AADT by 2026. The 1998 Level of Service for SR-135 is level A and is projected to drop to a level D before 2026. This section of SR-135 is a STAA access route for single and twin trailer trucks. The 1995, 1996 and 1997 accident rates along the section of SR-135 where the bridge is located are below the statewide accident rates for similar routes. Land use in the area is mostly undeveloped and residential property.

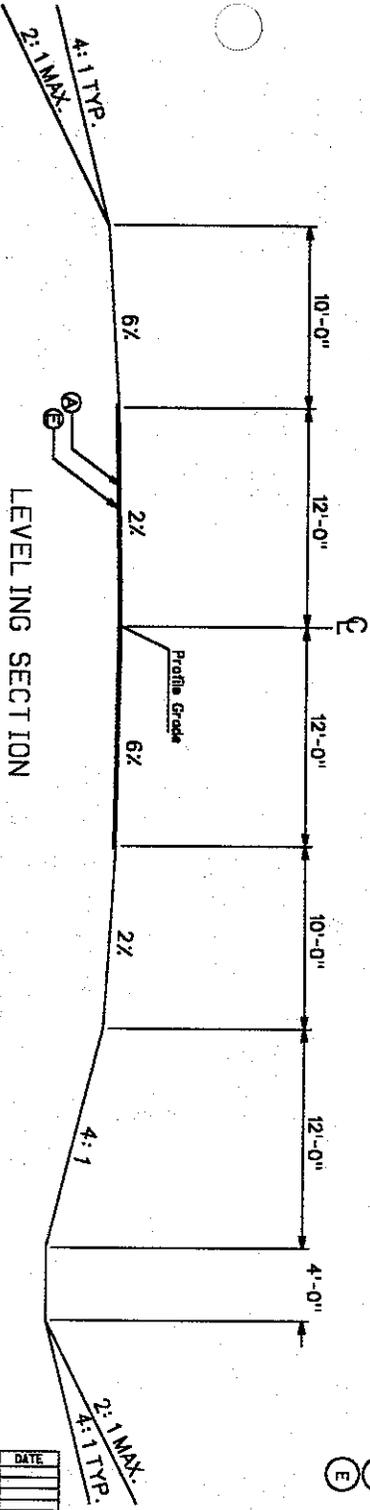
The Structural Evaluation Rating for the bridge is a 2 and the Sufficiency Rating is a 33.3. Rather than improve a structure with a Sufficiency Rating below 50, the Department currently schedules the bridge for replacement. The Structural Evaluation Rating is on a scale of 0-9 with 2 being the lowest rating for an operable bridge. A zero requires closing the bridge and a 2 requires replacement. Both the Structural Evaluation Rating and the Sufficiency Rating mandate the bridge be replaced.

Planning recommends this bridge be constructed to accommodate four lanes.

TYPICAL SECTION # 1



TYPICAL SECTION # 2



- REQUIRED PAVEMENT**
- (A) ASPHALTIC CONCRETE 12.5 mm MIX - 1/2 IN
 - (B) ASPHALTIC CONCRETE 19 mm MIX - 2 IN
 - (C) ASPHALTIC CONCRETE 25 mm MIX - 2 IN
 - (D) GRADED AGGREGATE BASE, 8 IN
 - (E) ASPHALTIC CONCRETE LEVELING COURSE

GA. BR-0900-0056A1



REVISIONS	DATE

GENERAL
 DEPARTMENT OF TRANSPORTATION
 PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN
 S.R. 135 OVER DARK BAY CREEK
 TYPICAL SECTIONS
 ATKINSON COUNTY BR-0000-0056B
 SCALE: AS SHOWN
 DECEMBER 2000

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

SUFF. RATING: 33.3

Structure ID: 003-0021-0
 Location & Geography

Atkinson County

Signs & Attachments

<p>* Structure I.D. No.: 003-0021-0</p> <p>* 200 Bridge Information: 06</p> <p>* 6A Feature Int.: DARK BAY CREEK</p> <p>* 6B Critical Bridge: 0</p> <p>* 7A Route Number Carried: SR00135</p> <p>* 7B Facility Carried: SR 135</p> <p>* 9 Location: APP 4 MIN OF WILLACOOCHEE</p> <p>2 DOT District: 4</p> <p>207 Year Photo: 1997</p> <p>* Inspection Frequency: 24 Date: 06/29/1999</p> <p>* %A Fract Crit Insp Freq: 0 00 Date: 0000</p> <p>92B Underwater Insp Freq: 0 00 Date: 0000</p> <p>92C Other Spc. Insp Freq: 0 00 Date: 0000</p> <p>* 4 Place Code: 00000</p> <p>* 5 Inventory Route (O/U): 1</p> <p style="padding-left: 20px;">Type: 3</p> <p style="padding-left: 20px;">Designator: 1</p> <p style="padding-left: 20px;">Number: 00135</p> <p style="padding-left: 20px;">Direction: 0</p> <p>* 16 Latitude: 31-22.2</p> <p>* 17 Longitude: 82-59.0</p> <p>* 98 Border Bridge: 000 %Shared: 00</p> <p>9 ID Number: 0000000000000000</p> <p>* 100 Defense Highway: 0</p> <p>* 101 Parallel Structure: N</p> <p>* 102 Direction of Traffic: 2</p> <p>264 Road Inventory Mile Post: 007.29</p> <p>* 208 Inspection Area: 04 Initials: BCN</p> <p>* Location I.D. No: 003-00135D-007.48N</p> <p>* XReferen I.D. No: 000-000000-000.000</p>	<p>* 104 Highway System: 0</p> <p>* 26 Functional Classification: 06</p> <p>* 204 Federal Route Type: F No: 079-1</p> <p>* 110 Truck Route: 1</p> <p>206 School Bus Route: 0</p> <p>217 Benchmark Elevation: 220.75</p> <p>218 Datum: 2</p> <p>* 19 Bypass Length: 3</p> <p>* 20 Toll: 3</p> <p>* 21 Maintenance: 01</p> <p>* 22 Owner: 01</p> <p>* 31 Design Load: 2</p> <p>37 Historical Significance: 5</p> <p>205 Congressional District: 08</p> <p>* 27 Year Constructed: 1951</p> <p>106 Year Reconstructed: 0000</p> <p>33 Bridge Median: 0</p> <p>34 Skew: 00</p> <p>35 Structure Flared: 0</p> <p>38 Navigation Control: 0</p> <p>213 Special Steel Design: 0</p> <p>267 Type of Paint: 1</p> <p>* 42 Type Service On: 1</p> <p style="padding-left: 20px;">Under: 5</p> <p>214 Movable Bridge: 00</p> <p>203 Type Bridge: E-N-M-O</p> <p>259 Pile Encasement: 2</p> <p>* 43 Structure Type Main: 3 02</p> <p>45 No. Spans Main: 003</p> <p>44 Structure Type Appr: 0 0</p> <p>46 No. Spans Appr: 0000</p> <p>226 Bridge Curve Horz: 0</p> <p>111 Pier Protection: 0</p> <p>107 Deck Structure Type: 1</p> <p>108 Wearing Surface Type: 1</p> <p style="padding-left: 20px;">Membrane: 0</p> <p style="padding-left: 20px;">Protection: 0</p>	<p>223 Expansion Joint Type: 02</p> <p>242 Deck Drains: 1</p> <p>243 Parapet Location: 0</p> <p style="padding-left: 20px;">Height: 0</p> <p style="padding-left: 20px;">Width: 0</p> <p>238 Curb: 1.21</p> <p>239 Handrail: 11</p> <p>* 240 Median Barrier Rail: 0</p> <p>241 Bridge Median Height: 0</p> <p style="padding-left: 20px;">Width: 0</p> <p>* 230 Guardrail Loc Dir Rear: 3</p> <p style="padding-left: 20px;">Fwrd: 3</p> <p style="padding-left: 20px;">Oppo Dir Rear: 0</p> <p style="padding-left: 20px;">Fwrd: 0</p> <p>244 Approach Slab: 3</p> <p>224 Retaining Wall: 0</p> <p>233 Posted Speed Limit: 55</p> <p>236 Warning Sign: 1</p> <p>234 Delineator: 1</p> <p>235 Hazard Boards: 1</p> <p>237 Utilities Gas: 00</p> <p style="padding-left: 20px;">Water: 00</p> <p style="padding-left: 20px;">Electric: 00</p> <p style="padding-left: 20px;">Telephone: 00</p> <p style="padding-left: 20px;">Sewer: 00</p> <p>247 Lighting Street: 0</p> <p style="padding-left: 20px;">Navigation: 0</p> <p style="padding-left: 20px;">Aerial: 0</p> <p>* 248 County Continuity No: 00</p>
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BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 003-0021-0

Atkinson County

SUFF. RATING: 33.3

Programming Data

201 Project No: ERS-3
 202 Plans Available: 1
 249 Prop. Proj No: BR-0000-00 (688)
 250 Approval Status: 0000
 251 P.I. No: 000068
 252 Contract Date: 02/01/2004
 260 Seismic No: 000000
 75 Type Work: 34.1
 94 Bridge Imp. Cost: \$ 87
 95 Roadway Imp. Cost: \$ 230
 96 Total Imp. Cost: \$ 375
 Imp. Length: 001401
 97 Imp. Year: 1990
 114 Future ADT: 003300 Year: 2018

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0214.2 Year: 1973
 Flood Elev: 0000.0 Freq: 00
 Avg. Streambed Elev: 0207.8
 Drainage Area: 00000
 Area of Opening: 011061

113 Scour Critical: 6
 216 Water Depth: 03.0 Br Height: 12.0
 222 Slope Protection: 6
 221 Spur Dikes Rear: 0 Fwrd: 0
 219 Fender System: 0
 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: 003-00135D-007.48N
 * XReferen I.D. No: 000-0000000-000.000

Measurements

* 29 ADT: 002200 Year: 1998
 109 % Trucks: 16
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0027
 * 49 Structure Length: 81
 51 Br. Rdwy. Width: 23.8
 52 Deck Width: 30.1
 * 47 Tot. Horz. Cl: 23.8
 50 Curb/Sdewlk Width: 2.0/2.0
 32 Approach Rdwy Width: 026
 * 229 Shlder Width:
 Rear Lt: 6.0 Type: 8 Rt: 6.0
 Fwrd Lt: 6.0 Type: 8 Rt: 6.0
 Pymnt Width:
 Rear: 24.0 Type: 2
 Fwrd: 24.0 Type: 2
 Intersection Rear: 0 Fwrd: 1
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl. Over: 99' 99"
 Under: N 00' 00"

* 228 Min. Vert. Cl
 Act. Odm. Dir: 99' 99"
 Opp. Dir: 99' 99"
 Posted Odm. Dir: 00' 00"
 Opp. Dir: 00' 00"
 55 Lateral Undercl. Rt: N 99.9
 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: 7.0
 Deck Thick Approach: 0.0
 246 Overlay Thickness: 0.0
 211 Tons Structural Steel: 10.0
 212 Year Last Painted: Sup: 1986 Sub: 1986

Ratings

66 Inventory Type: 2 Rating: 13
 64 Operating Type: 2 Rating: 29
 231 Calculated Loads
 H-Modified: 15 1
 HS-Modified: 25 0
 Type 3: 27 1
 Type 3s2: 40 0
 Timber: 33 1
 Piggyback: 40 0
 261 H Inventory Rating: 10
 262 H Operating Rating: 15
 67 Structural Evaluation: 2
 58 Deck Condition: 5
 59 Superstructure Condition: 7
 * 227 Collision Damage: 0
 60A Substructure Condition: 5
 60B Scour Condition: 8
 60C Underwater Condition: N
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 6
 68 Deck Geometry: 2
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 7
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 3
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: T
 232 Posted Loads H-Modified: 15
 HS-Modified: 00
 Type 3: 27
 Type 3S2: 00
 Timber: 32
 Piggyback: 00
 253 Notification Date: 0000
 253 Fed Notify Date: 0000

William Allen Krivsky

From: Funk, Dan [Dan.Funk@dot.state.ga.us]
Sent: Wednesday, April 12, 2000 7:19 AM
To: William Allen Krivsky
Cc: Cashin, Ted
Subject: BR-0000-00(688) PI#0000688 ATKINSON COUNTY

Department of Transportation
State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0000-00(688), Atkinson County
OFFICE Environment/ Location
P.I.# 0000688

DATE April 11, 2000

FROM David E. Studstill, P.E., State Environment/ Location

TO Heath & Lineback Engineers Inc.
Attn. William Krivsky

Jim Chambers, Office of Consultant Management
Attn. Ted Cashin

SUBJECT SR 135 @ Dark Creek app. 4 mi. N of Willacoochie in
Atkinson
County.

We are furnishing estimated traffic assignments for
the
above project as follows:

2026 ADT = 4300
2006 ADT = 2600
K = 9%
D = 60%
T = 7%
24 HR T = 9%
SU = 4%
COMB = 5%

If you have any questions concerning this
information
please contact Dan Funk
at (404) 699- 3474.

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. BR-0000-00688

P.I. No. 0000688

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 S.R. 135 bridge over Dark Bay Creek, located in Atkinson County, Land District, Land Lots The improvement project includes replacing the existing bridge over the Dark Bay Creek.

Date of Location Approval: 12-JANUARY-2001

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. Any interested party may obtain a copy of the drawings or maps or plats by writing to the Georgia Department of Transportation, No. 2 Capital Square, Atlanta, Georgia 30334 and paying a nominal cost thereof.

Any written request in reference to this Notice SHOULD include the PROJECT AND P.I. NUMBERS AS NOTED AT THE TOP OF THIS NOTICE AND may be referenced to:

James R. Chambers
Georgia Department of Transportation
No. 2 Capital Square
Atlanta, Georgia 30334

CONCEPT MEETING MINUTES
MAY 23, 2000

CONCEPT MEETING FOR BRIDGE REPLACEMENT WORK ORDERS
W.O. #17 – BR-0000-00688 – Atkinson Co. – P.I. 0000688
SR 135 over Dark Bay Creek, 4 mi N of Willacoochee

LOCATION: GADOT District 4 Office
Tifton, GA

Attendees: Allen Krivsky – Heath & Lineback Engineers
Randy Boykin - Heath & Lineback Engineers
Ted Cashin – GADOT – Office of Consultant Design
Andy Pitman – Edwards-Pitman Environmental
Emory Giddens - GADOT Utilities
Randall Carr – GADOT Environmental
Joe Sheffield – GADOT Tifton
Zane Hutchinson – GADOT Tifton
Don Gaskins – GADOT Tifton
Danny Gay – GADOT Traffic Operations
Mike Harnage – Alltel
Jerry Huggins – Plant Telephone

The concept meeting for this project was held in conjunction with other projects along State Route 135. A draft Concept Report was not completed for this meeting because official authorization had not been issued. Concept alternatives and issues were discussed.

Allen Krivsky described the project and a brief overview of concept alternatives.

Noted projects are in the STIP.

Utilities noted Alltel, Plant Telephone, and Satilla EMC exist in the project area.

Traffic Operations noted good plan to realign road and build permanent offset bridge.

Environmental noted no anticipated problems. Noted to use the 2 page C.E. w/ attachments. Andy Pitman acknowledged.

Preconstruction no comments.

Noted to add State Planning to concept report distribution list w/ attachments.

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0000-00(688) Atkinson County
P. I. No. 0000688

OFFICE Preconstruction

DATE December 9, 2003

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

TO SEE DISTRIBUTION

SUBJECT REVISED PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

David Mulling
Harvey Keepler
Jerry Hobbs
Percy Middlebrooks
Michael Henry
Phillip Allen
Joe Palladi (file copy)
Brent Story
David Crim
BOARD MEMBER

Proposed features to be revised: It is proposed to replace the existing bridge structure with a single span bridge to eliminate longitudinal stream impacts on Dark Bay Creek created by the bridge culvert. These impacts cannot be mitigated in the stream basin.

It is also proposed to realign the roadway centerline 44 ft to the east side of the existing roadway to avoid a relocation of a mobile home and to minimize property impacts near the end of the project. An additional 85 ft of right-of-way is required to the east for construction of this project.

Describe the revised feature(s) to be approved: The revised features to be approved are: 1) to use a single span bridge as the replacement structure, 2) to shift the proposed alignment to the east side of the existing alignment, and 3) to shift the majority of the required right-of-way from the west side of the existing roadway to the east.

Updated Traffic Data (AADT): No change from approved concept

Programmed/Schedule:

P.E. 2001

R/W 2004

Construction 2005

Revised cost estimates:

- | | | |
|----|--|-------------|
| 1. | Construction cost including inflation and E&C, | \$1,373,000 |
| 2. | Right-of-way, and | \$80,000 |
| 3. | Utilities | \$10,000 |

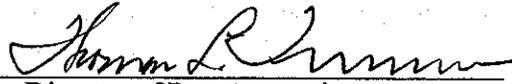
Is the project located in a non-attainment area? Yes No

Recommendation: The Consultant Design Office recommends that the proposed revision to the concept be approved for implementation.

Attachments:

1. Cost Estimate

Concur:


Director of Preconstruction

Approve:



DESIGNER'S CONSTRUCTION COST ESTIMATE (PRELIMINARY)

11/13/2003 BR-0000-00(688), ATKINSON COUNTY
 P.I. No. 0000688
 SR 135 OVER DARK BAY CREEK

ITEM NO.	ITEM	UNIT	UNIT COST	QUANT	TOTAL
ROADWAY					
150-1010	TRAFFIC CONTROL - BR-0000-00(688)	LS	\$ 40,000.00	1	\$ 40,000.00
210-0100	GRADING COMPLETE - BR-0000-00(688)	LS	\$ 159,410.87	1	\$ 159,410.87
318-3000	AGGR SURF CRS	TN	\$ 14.63	211	\$ 3,086.93
433-1000	REINF CONC APPROACH SLAB	SY	\$ 231.36	310	\$ 71,721.60
436-1000	ASPHALTIC CONCRETE CURB -	LF	\$ 6.24	820	\$ 5,116.80
441-0301	CONC SPILLWAY, TP 1	EA	\$ 1,232.67	2	\$ 2,465.34
456-2015	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	GLM	\$ 2,405.98	1	\$ 2,405.98
500-3101	CLASS A CONCRETE	CY	\$ 360.89	2	\$ 721.78
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	\$ 26.47	105	\$ 2,779.35
550-1300	STORM DRAIN PIPE, 30 IN, H 1-10	LF	\$ 47.25	72	\$ 3,402.00
550-2180	SIDE DRAIN PIPE, 18 IN, H 1-10	LF	\$ 20.85	450	\$ 9,382.50
550-3318	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	EA	\$ 659.71	2	\$ 1,319.42
550-3330	SAFETY END SECTION 30 IN, STORM DRAIN, 4:1 SLOPE	EA	\$ 1,485.00	2	\$ 2,970.00
550-3618	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	EA	\$ 481.61	16	\$ 7,705.76
550-4118	FLARED END SECTION 18 IN, SIDE DRAIN	EA	\$ 325.95	4	\$ 1,303.80
576-1015	SLOPE DRAIN PIPE, 15 IN	LF	\$ 21.55	134	\$ 2,887.70
577-1100	METAL DRAIN INLET - COMPLETE ASSEMBLY	EA	\$ 941.88	4	\$ 3,767.52
622-1033	PRECAST CONCRETE MEDIAN BARRIER, METHOD 3	LF	\$ 23.00	1555	\$ 35,765.00
634-1200	RIGHT OF WAY MARKERS	EA	\$ 77.89	44	\$ 3,427.16
641-1100	GUARDRAIL, TP T	LF	\$ 36.13	83	\$ 2,998.79
641-1200	GUARDRAIL, TP W	LF	\$ 8.24	950	\$ 7,828.00
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	\$ 344.14	2	\$ 688.28
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	\$ 1,202.88	2	\$ 2,405.76
SUBTOTAL					\$ 373,560.34
REQUIRED PAVEMENT					
310-5120	GR AGGR BASE CRS, 12 INCH, INCL MATL	SY	\$ 18.26	9138	\$ 166,859.88
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	\$ 36.77	811	\$ 29,820.47
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	TN	\$ 35.72	1923	\$ 68,689.56
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	TN	\$ 35.23	1173	\$ 41,324.79
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	TN	\$ 38.50	1269	\$ 48,856.50
413-1000	BITUM TACK COAT	GL	\$ 0.93	1468	\$ 1,365.24
SUBTOTAL					\$ 356,916.44
EROSION PROTECTION					
163-0232	TEMPORARY GRASSING	AC	\$ 447.06	8	\$ 3,576.48
163-0240	MULCH	TN	\$ 258.78	231	\$ 59,778.18
163-0300	CONSTRUCTION EXIT	EA	\$ 921.17	4	\$ 3,684.68
163-0503	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	EA	\$ 409.14	9	\$ 3,682.26
163-0520	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	LF	\$ 13.55	190	\$ 2,574.50
163-0521	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	EA	\$ 146.72	9	\$ 1,320.48
163-0530	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	LF	\$ 2.11	1110	\$ 2,342.10
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LF	\$ 1.15	1785	\$ 2,052.75
165-0040	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	EA	\$ 64.49	9	\$ 580.41
165-0070	MAINTENANCE OF BALED STRAW EROSION CHECK	LF	\$ 1.09	555	\$ 604.95
165-0087	MAINTENANCE OF SILT CONTROL GATE, TP 3	EA	\$ 195.39	9	\$ 1,758.51
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	EA	\$ 317.68	4	\$ 1,270.72
167-1000	WATER QUALITY SAMPLING AND MONITORING	EA	\$ 19,600.00	2	\$ 39,200.00
170-1000	FLOATING SILT RETENTION BARRIER	LF	\$ 9.39	320	\$ 3,004.80
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	\$ 3.50	3570	\$ 12,495.00
603-2180	STN DUMPED RIP RAP, TP 3, 12 IN	SY	\$ 28.63	90	\$ 2,576.70
603-7000	PLASTIC FILTER FABRIC	SY	\$ 3.41	90	\$ 306.90
700-6910	PERMANENT GRASSING	AC	\$ 653.17	8	\$ 5,225.36
700-7010	LIQUID LIME	GL	\$ 16.93	18	\$ 304.74
700-8000	FERTILIZER MIXED GRADE	TN	\$ 215.25	8	\$ 1,722.00
700-8100	FERTILIZER NITROGEN CONTENT	LB	\$ 1.18	361	\$ 425.98
716-2000	EROSION CONTROL MATS, SLOPES	SY	\$ 1.14	1700	\$ 1,938.00
SUBTOTAL					\$ 150,425.50
TRAFFIC SIGN & MARKING					
636-1020	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	SF	\$ 11.63	16	\$ 186.08
636-1031	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	SF	\$ 17.43	84	\$ 1,464.12
636-2070	GALV STEEL POSTS, TP 7	LF	\$ 6.71	224	\$ 1,503.04
652-2501	SOLID TRAFFIC STRIPE, 5 IN, WHITE	LM	\$ 259.37	2	\$ 518.74
652-2502	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	LM	\$ 271.70	2	\$ 543.40
652-5701	SOLID TRAF STRIPE, 24 IN, WHITE	LF	\$ 1.84	60	\$ 110.40
654-1001	RAISED PVMT MARKERS TP 1	EA	\$ 3.32	98	\$ 325.36
657-1054	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	LF	\$ 3.51	172	\$ 603.72
657-6054	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	LF	\$ 3.76	172	\$ 646.72
SUBTOTAL					\$ 5,901.58

ITEM NO.	ITEM	UNIT	UNIT COST	QUANT	TOTAL
	BRIDGE NO. 1				
500-0100	GROOVED CONCRETE	SY	\$ 4.38	401	\$ 1,756.38
500-1006	SUPERSTR CONCRETE, CL AA, BR NO -	LS	\$ 585.86	124	\$ 72,646.64
500-2100	CONCRETE BARRIER	LF	\$ 30.57	160	\$ 4,891.20
500-3101	CLASS A CONCRETE	CY	\$ 360.89	72	\$ 25,984.08
507-9030	PSC BEAMS, AASHTO, BULB TEE, 54 IN, BR NO -	LF	\$ 123.92	498	\$ 61,712.16
511-1000	BAR REINF STEEL	LB	\$ 0.49	8088	\$ 3,963.12
511-3000	SUPERSTR REINF STEEL, BR NO -	LS	\$ 0.50	27802	\$ 13,901.00
520-2216	PILING, PSC, 16 IN SQ	LF	\$ 37.10	600	\$ 22,260.00
520-4216	LOAD TEST, PSC, 16 IN SQ	EA	\$ 1.00	1	\$ 1.00
540-1101	REMOVAL OF EXISTING BR, STA NO -	LS	\$ 30,000.00	1	\$ 30,000.00
603-2024	STN DUMPED RIP RAP, TP 1, 24 IN	SY	\$ 33.20	488	\$ 16,201.60
603-7000	PLASTIC FILTER FABRIC	SY	\$ 3.41	488	\$ 1,664.08
				SUBTOTAL	\$ 254,981.26

CONSTRUCTION	\$ 1,141,785.12	CONSTRUCTION COST	\$ 1,141,785.12
INFLATION: (2 yrs. @ 5% per yr) LET DATE: FY-05	\$ 117,032.97	RIGHT OF WAY	\$ 80,000.00
		R/W ACQUIRED BY:	DOT
		UTILITIES:	\$ 10,000.00
E & C (10%):	\$ 114,178.51		
TOTAL CONST COSTS	\$ 1,372,996.60		