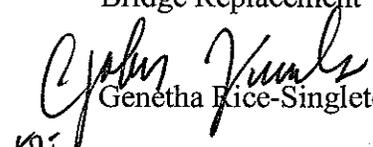


**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0007172, Dooly County **OFFICE** Preconstruction
CSBRG-0007-00(172)
SR 230 over Turkey Creek West of Vienna
Bridge Replacement **DATE** May 27, 2008

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO  SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Ben Buchan
Paul Liles
Thomas Howell
David Millen
BOARD MEMBER

2

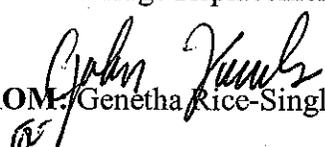
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0007172, Dooly County
CSBRG-0007-00(172)
S.R. 230 over Turkey Creek-
Bridge Replacement

OFFICE: Preconstruction

DATE: May 14, 2008


FROM: Genetha Rice-Singleton, Assistant Director of Preconstruction

TO: Gerald M. Ross, P.E., Chief Engineer

SUBJECT: PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on S.R. 230 over Turkey Creek, 9.5 miles west of Vienna, Georgia. The existing bridge, constructed in 1963, is a 141' x 26' concrete structure with a sufficiency rating of 58. The original design load capacity is H-15. In accordance with DOT MOG 2405-1, the existing bridge meets the established criteria for replacement. S.R. 230 at this location is a rural two lane roadway with 10.5' lanes and 4' shoulders (2' Paved). The posted speed is 55 MPH. S.R. 230 is classified as a major collector. The base year traffic (2013) along this section of S.R. 230 is 800 VPD. The design year (2033) volumes are projected to be 1200 VPD. The proposed speed design is 55 MPH.

The project proposes to construct a new 150' x 38' concrete bridge over Turkey Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 10' rural shoulders (2' paved). The existing bridge will be closed to traffic during construction. Traffic control will consist of shifting traffic onto a temporary detour bridge during construction.

Environmental concerns include requiring a COE 404 permit; Categorical Exclusion will be prepared; a Public hearing is not required; Time saving procedures is 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:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C)	BR \$ 456,000	BR \$ 675,000	L1C0	LR
	STP \$ 1,258,000	STP ---	L200	LR
Right-of-way	\$ 101,000	\$ 310,000	L1C0	LR
Utilities	\$ 25,000			

* Notification letter sent to Dooly County 6-16-06

I recommend this project concept be approved.

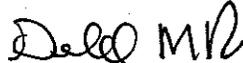
GRS: JDQ
Attachment

CONCUR

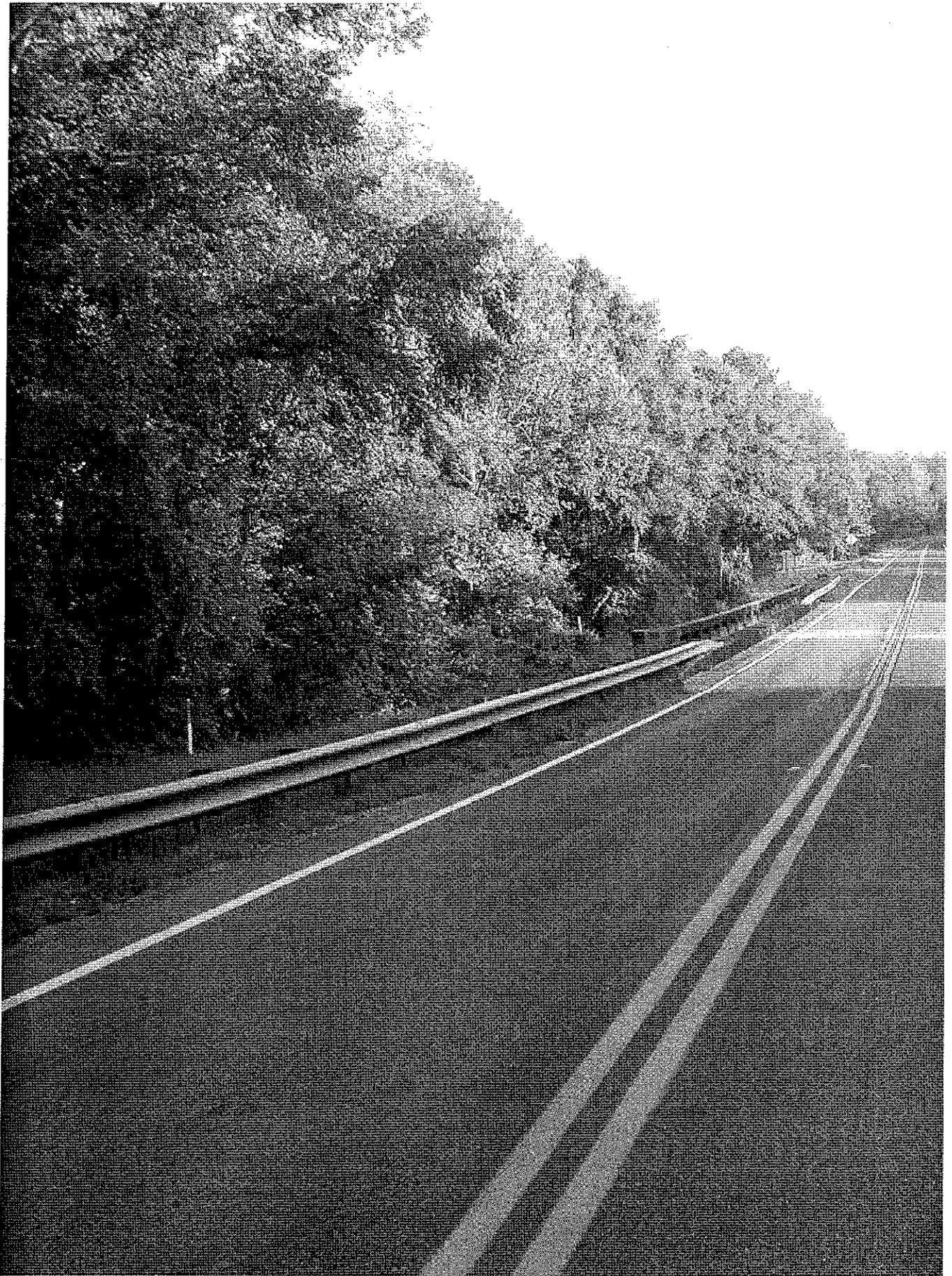


Todd I. Long, P.E., Director of Preconstruction

APPROVED



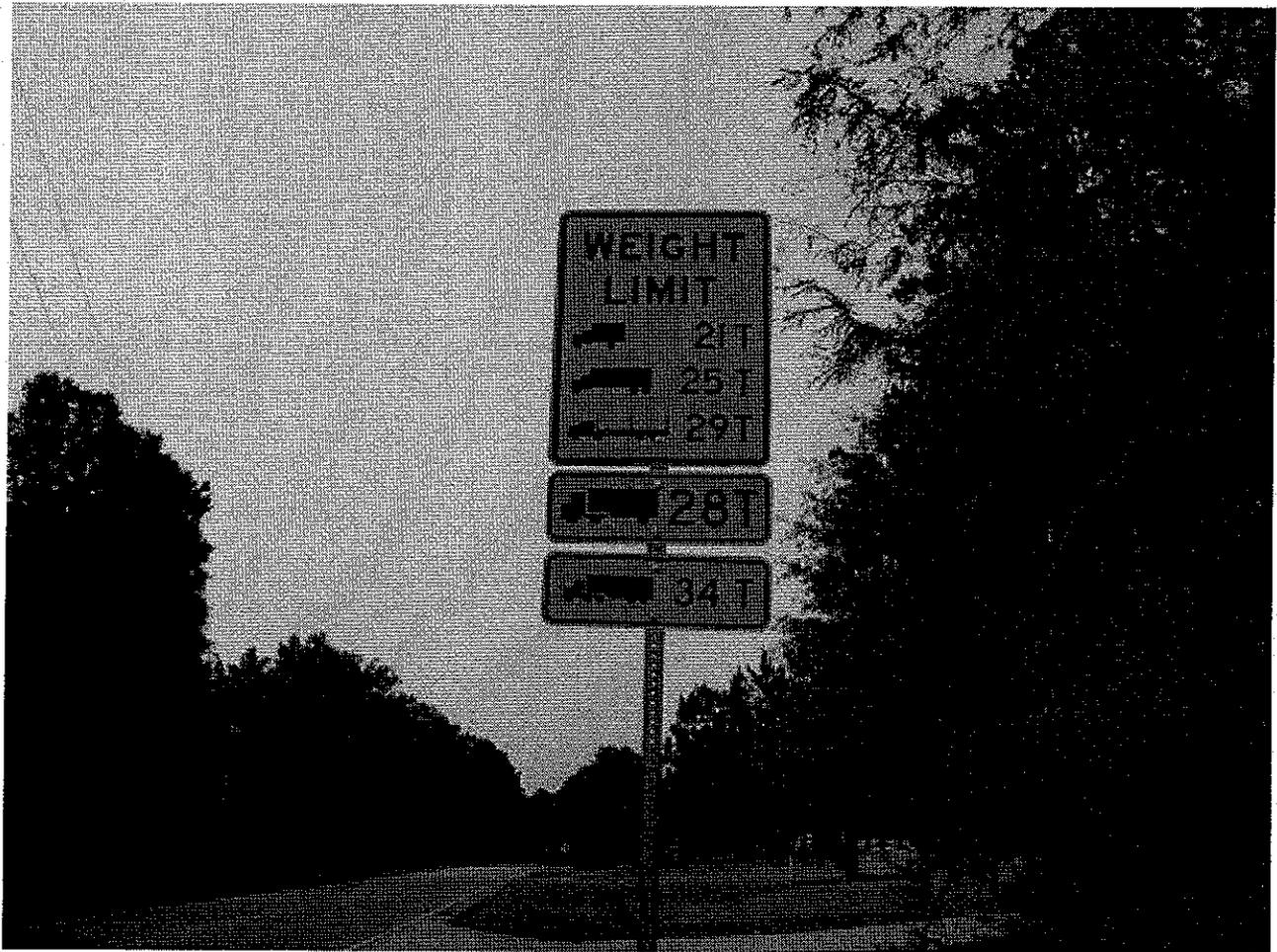
Gerald M. Ross, P.E., Chief Engineer



LOOKING EAST



UPSTREAM

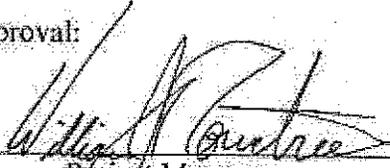


Postcard

Project Concept Report Page 2
Project Number: CSBRG-0007-00(172)
P.I. Number: 0007172
County: Dooly

Recommendation for approval:

DATE 2/14/08


Project Manager

DATE 02/14/08


District 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 the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

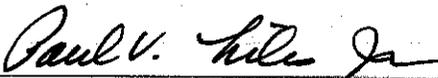
DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE 3/25/08


State Structural and Bridge Design Engineer

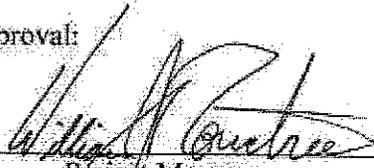
DATE _____

Project Review Engineer

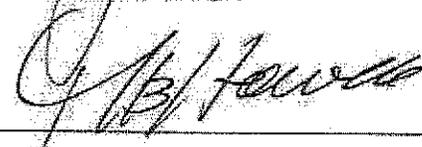
Project Concept Report Page 2
Project Number: CSBRG-0007-00(172)
P.I. Number: 0007172
County: Dooly

Recommendation for approval:

DATE 2/14/08


Project Manager

DATE 02/14/08


District 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 the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE 2-28-08


State Traffic Safety & Design Engineer

DATE _____

State Structural and Bridge Design Engineer

DATE _____

Project Review Engineer

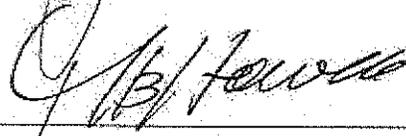
Project Concept Report Page 2
Project Number: CSBRG-0007-00(172)
P.I. Number: 0007172
County: Dooly

Recommendation for approval:

DATE 2/14/08


Project Manager

DATE 02/14/08


District 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 the State Transportation Improvement Program (STIP).

DATE 3/3/08


State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

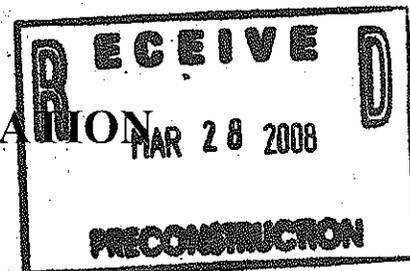
DATE _____

State Structural and Bridge Design Engineer

DATE _____

Project Review Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0007172

OFFICE: Environment/Location

DATE: March 26, 2008

FROM: *GB*
Glenn Bowman, P.E., State Environmental/Location Engineer

TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT: PROJECT CONCEPT REPORT
CSBRG-0007-00(172) / Dooly County
SR 230 Bridge Replacement at Turkey Creek South of Byromville

The above subject Concept Report has been reviewed and appears satisfactory subject to the following comments:

1. An archaeological site, a church, and possibly a cemetery, are located near the intersection of SR 230 and SR 27. These may be located within the area of potential effect.
2. The project would impact waters of the US which will require a Section 404 Permit. Additional funding may be required for the purchase of mitigation credits. Also, an aquatic survey for listed species will be required.
3. A Public Meeting for detour will need to be held and comments addressed prior to submitting the CE for review and approval.

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

GB:lc

Attachment

cc: Brian Summers
Jamie Simpson
Angela Alexander
Keith Golden
Thomas Howell
Paul Liles

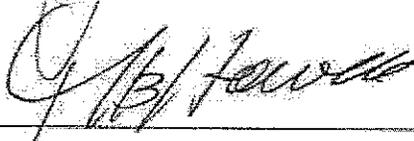
Project Concept Report Page 2
Project Number: CSBRG-0007-00(172)
P.I. Number: 0007172
County: Dooley

Recommendation for approval:

DATE 2/14/08


Project Manager

DATE 02/14/08


District 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 the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE 3/26/08


State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE _____

State Structural and Bridge Design Engineer

DATE _____

Project Review Engineer

NOTICE OF LOCATION AND DESIGN APPROVAL

CSBRG-0007-00(172) Dooly County
P.I.No. 0007172

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.

The date of location approval is May 27, 2008

Bridge replacement on County Route 230 located in Dooly County, Georgia in Militia District 535, Land District 9 and Land Lot 74. All numerical units shall be in English units.

This project proposes to replace a structurally deficient bridge on SR 230 over Turkey Creek 9.5 miles west of Vienna.

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

Brink Stokes, Area Engineer
bstokes@dot.ga.gov
200 Julianne Dr.
Perry, GA 31069
478-988-7151

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

William J. Rountree, P.E., District Design Engineer
Department Of Transportation
brountree@dot.ga.gov
115 Transportation Blvd.
Thomaston, Georgia 30286-7000
(706) 646-6990

Any written request or communication in reference to this project or notice SHOULD include the Project and P.I. Numbers as noted at the top of this notice.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

Office of District 3 Design

PROJECT CONCEPT REPORT

Project Number: CSBRG-0007-00(172)

County: Dooly

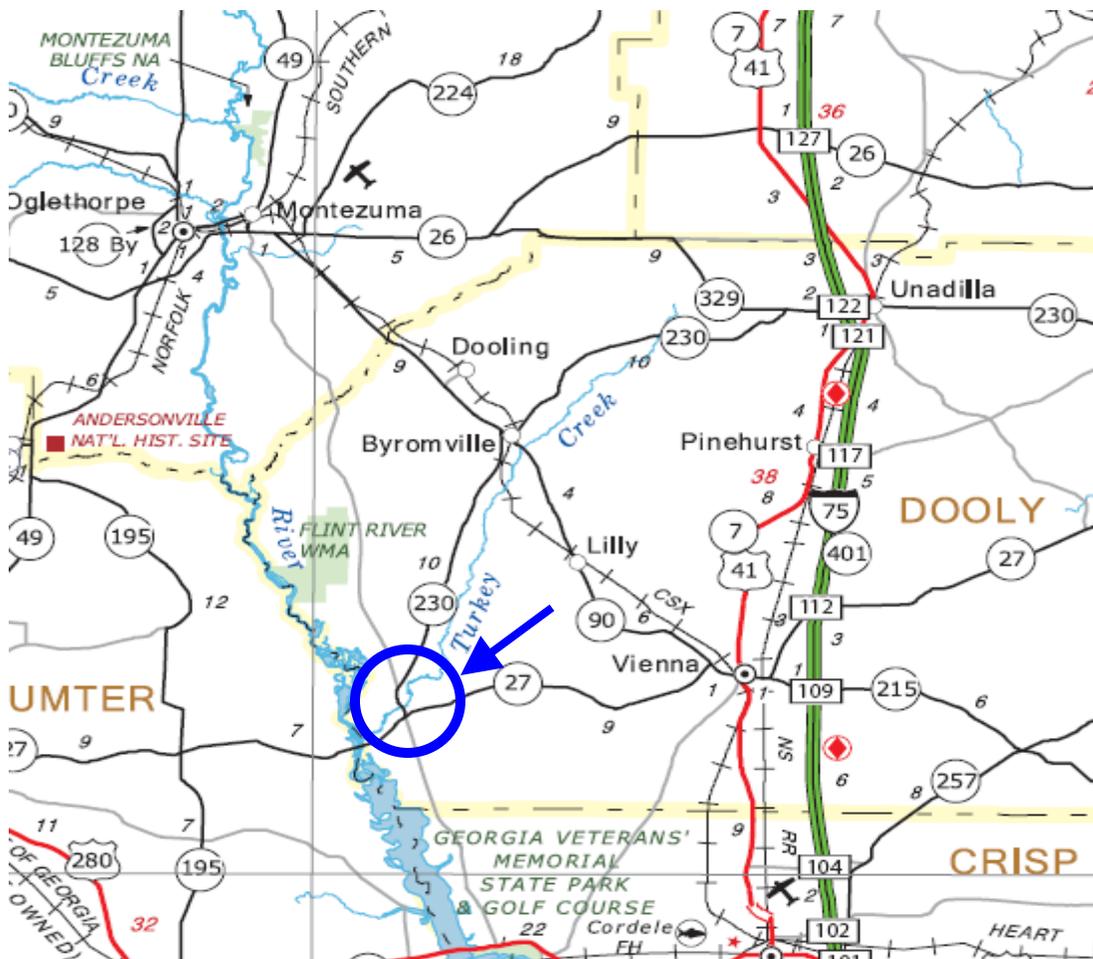
P. I. Number: 0007172



Federal Route Number: None

State Route Number: SR 230

Regional Sketch: SR 230 Bridge Replacement at Turkey Creek South of Byromville

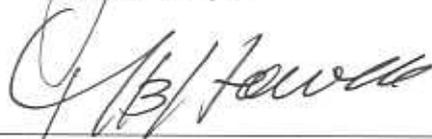


Recommendation for approval:

DATE 2/14/08


Project Manager

DATE 02/14/08


District 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 the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE _____

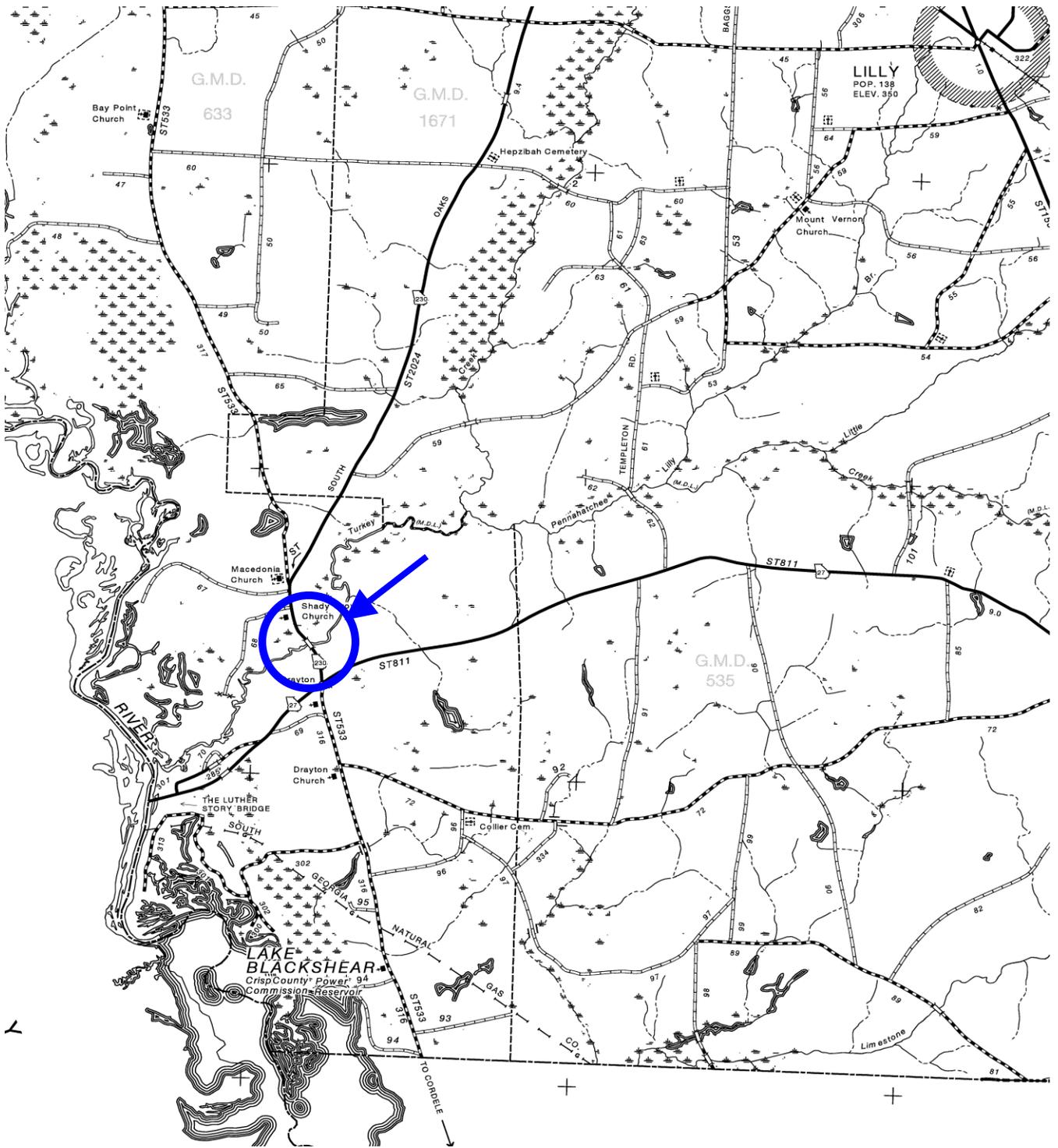
State Structural and Bridge Design Engineer

DATE _____

Project Review Engineer



Project Location Map: SR 230 Bridge Replacement at Turkey Creek South of Byromville



Project Description

Project Number CSBRG-0007-00(172) will replace and widen the structurally deficient bridge located on SR 230 over Turkey Creek 9.5 miles west of Vienna. The bridge is located in western Dooly County. The bridge over Turkey Creek connects SR 27 to SR 90 near Byromville (please see location map on page two). The project extends for approximately 0.4 mile at road inventory milepost 0.18.

Bridge Characteristics

The bridge was constructed in 1963. This project will replace the existing two-lane bridge with a structurally adequate two-lane bridge. The current bridge sufficiency rating is 58.63 and has a load rating of H-15 (below standards). The bridge is being considered for replacement as per DOT policy 2405-1. The Office of Bridge Maintenance has determined that any bridge with a bridge sufficiency rating under 50 should be replaced. The Office of Bridge Maintenance has also determined that any bridge with a bridge sufficiency rating over 50 should be replaced if the bridge does not meet their criteria. An insufficient load rating is one of the criteria.

Route Characteristics

SR 230 is functionally classified as a rural major collector. SR 230 has two-way traffic and is a two-lane facility. It is part of a local school bus route. It is not a Truck Route, is not part of STRAHNET, and is not part of the Statewide Bicycle Plan. It is currently not a locally designated bikeway or bike route. The posted speed limit is 55 mph. Sidewalks are not planned for the route.

Traffic Counts

The Average Annual Daily Traffic (AADT) along this section of roadway was 650 AADT in 2006; and projected to be 800 AADT in 2013 and 1200 AADT in 2033. Truck traffic is estimated at 6% of all traffic. Level-of-Service (LOS) is "A" for 2006 AADT. Level-of-Service (LOS) is "A" for 2033 AADT.

Social Economic Characteristics

Of the 11,525 residents of Dooly County, the ethnic groups consist of 46.0% White, 49.5% African American, 4.7% Hispanic, and 0.4% Asian. The median household income along this project corridor was \$27,980 (1999 dollars). The land parcels surrounding the project are primarily low density parcels of mostly residential neighborhoods and agriculture.

Project Concept Report Page 5
 Project Number: CSBRG-0007-00(172)
 P.I. Number: 0007172
 County: Dooly
 Conclusion

Replacing this bridge is justified due to its current deficient load rating. The appropriate load rating needs to be “HS-20 + military.” Upgrading the bridge to modern design and load standards will improve the operation and safety of the bridge and the capacity of the roadway.

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

PDP Classification: Major Minor

Federal Oversight: Full Oversight , Exempt , State Funded , or Other

Functional Classification: Major Collector

U. S. Route Number(s): none

State Route Number(s): 230

Traffic (AADT):

Traffic(AADT) Two Way Traffic	SR 230
Current Year: (2013)	800 VPD
Design Year: (2033)	1200 VPD
K =	10 %
D =	60%
T =	6 %
24 HR T =	8.5 %
S.U. =	5.5 %
Comb. =	3 %

Existing Design Features:

- Typical Section: Twenty one feet wide of pavement (ten feet-six inch wide lanes) with for feet wide shoulders (two feet paved)
- Posted Speed: 55 mph
- Minimum Radius: 1910 feet
- Maximum Grade: 6.3 %
- Total Width of Right of Way: 80 feet
- Major Structures: 141 feet long and 26 feet wide Concrete and Steel Bridge
- Major Interchanges or Intersections along the Project: None within the project. The SR 27/ SR 230 intersection is just south of the project.
- Existing Length of Roadway Segment:
 - SR 230: Begin mile post at 0.123 and ending mile post at 0.237 (Total 0.114 miles)

Proposed Design Features:

- Proposed Typical Section(s): Two twelve feet wide lanes with ten feet wide shoulders (two feet of the shoulder will be paved).
- Proposed Design Speed: 55 mph
- Proposed Maximum Grade Mainline: 6.5% Maximum Grade Allowable: 7 %
- Proposed Maximum Grade Driveway: 10 %
- Proposed Minimum Radius of Curve: 1910 feet
- Minimum Radius Allowable: 1060 feet
- Right of Way:
 - Width: 80 to 120 feet (estimated total width)
 - Easements: Temporary , Permanent , Utility , Other .
 - Type of access control: Full , Partial , By Permit , Other .
 - Number of parcels: 3 Number of displacements: 0
 - Businesses: 0
 - Residents: 0
 - Mobile Homes: 0
 - Other: 0
- Structures: 150' x 38' Reinforced Concrete Bridge
- Major Intersections and Interchanges: None anticipated
- Traffic Control during Construction: Traffic will be maintained on an offsite detour. (see attached).

- Design Exceptions to Controlling Criteria Anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
○ HORIZONTAL ALIGNMENT:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ ROADWAY WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ SHOULDER WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ VERTICAL GRADES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ CROSS SLOPES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ STOPPING SIGHT DISTANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ SUPERELEVATION RATES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ HORIZONTAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ SPEED DESIGN:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- Design Variances: None
- Environmental Concerns:
 - Wetlands
 - Stream Buffer
- Level of Environmental Analysis:
 - Are Time Savings Procedures appropriate? Yes , No ,
 - Categorical Exclusion
 - Environmental Assessment/Finding of No Significant Impact (FONSI)
 - Environmental Impact Statement (EIS)
- Utility Involvements:
 - Citizens Telephone Company

Project Responsibilities:

- Design: GDOT
- Right of Way Acquisition: GDOT
- Relocation of Utilities: GDOT
- Letting to contract: GDOT
- Supervision of construction: GDOT
- Providing material pits: Contractor

Coordination:

- Concept Meeting Date and Brief Summary: January 7, 2008 See attached minutes.
- Other projects in the Area: Dooly 0007173 bridge replacement north of Byromville
- Other Coordination to Date: None

Scheduling – Responsible Parties’ Estimate

- Time to Complete the Environmental Process: 12 Months
- Time to Complete the Preliminary Construction Plans: 6 Months
- Time to Complete Right of Way Plans: 3 Months
- Time to Complete the Section 404 Permit: 6 Months
- Time to Complete Final Construction Plans: 3 Months
- Time to Complete the Purchase of Right of Way: 8 Months
- Time to Complete the Utilities Relocation: 6 Months

Alternates Considered:

- **Alternate 1:** Replace the existing bridge on SR 230 along the existing alignment, close the road and use an offsite detour.
- **Alternate 2:** Replace the existing bridge on SR 230 along the existing alignment and use an onsite runaround detour. This alternate was rejected due to additional cost, and the adverse effects on wetlands and streams.
- **Alternate 3:** Replace the existing bridge on new alignment and maintain traffic on the existing bridge during construction. This alternate was rejected due to additional cost, and the adverse effects on wetlands and streams.
- **Alternate 4:** No Build – This alternative was rejected because it did not meet need and purpose for the project to replace a functionally deficient bridge with H-15 rated piles.

Attachments:

1. Cost Estimates:
 - a. Construction including E&C
 - b. Right of Way
 - c. Utilities
2. Layout
3. Detour Routes
4. Typical Sections
5. Bridge Inventory Data
6. Concept Team Meeting Minutes
7. Notice of Location and Design Approval

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: CSBRG-0007-00(172) COUNTY: Dooly

PI #: 0007172 DESCRIPTION: SR 230 Bridge replacement at Turkey Creek 9.5 miles West of Vienna

DATE: 12/4/2007 ESTIMATED LETTING DATE: Aug-11

PREPARED BY: Bill Rountree PROJECT LENGTH: 0.153 MILES

PROGRAMMING PROCESS CONCEPT DEVELOPMENT DURING PROJECT DEVELOPMENT

A. RIGHT-OF-WAY: (SEE ATTACHED FOR DETAILS)			
1. PROPERTY (LAND & EASEMENT)	1 AC	\$5,000.00 PER AC	\$3,900.00
2. DISPLACEMENTS	RES: 0	BUS: 0	M.H.: 0
3. OTHER COST (ADM./COST, INFLATION)			\$96,500.00
SUBTOTAL: A			\$100,400.00
B. REIMBURSABLE UTILITIES: (NO REINBURSABLE ANTICIPATED SEE ATTACHED)			
1. RAILROAD			\$0.00
2. TRANSMISSION LINES			\$25,000.00
3. SERVICES			\$0.00
SUBTOTAL: B			\$25,000.00
C. CONSTRUCTION:			
1. MAJOR STRUCTURES			
a. BRIDGES (SF OF DECK)	6,075 SF	\$85.00 PER SF	\$516,375.00
b. CULVERTS			
1) CLASS A CONCRETE	0 CY	\$500.00 PER CY	\$0.00
2) BAR REINF STEEL	0 LB	\$0.80 PER LB	\$0.00
c. BRIDGE APPROACH SLAB	270 SY	\$190.00 PER SY	\$51,300.00
SUBTOTAL: C-1			\$567,675.00
2. GRADING AND DRAINAGE			
a. EARTHWORK	50,000 CY	\$10.00 PER CY	\$500,000.00
b. DRAINAGE			
1) CROSS DRAIN PIPE	0 EA	\$4,800.00 PER EA	\$0.00
2) CURB AND GUTTER	0 LF	\$15.00 PER LF	\$0.00
3) SPILLWAY/FLUME	4 EA	\$2,300.00 PER EA	\$9,200.00
SUBTOTAL: C-2			\$509,200.00
3. BASE AND PAVING			
a. AGGREGATE BASE & SURFACE	2,200 TN	\$25.00 PER TN	\$55,000.00
b. ASPHALT PAVING			
1) SURFACE	220 TN	\$100.00 PER TN	\$22,000.00
2) BINDER	270 TN	\$100.00 PER TN	\$27,000.00
3) BASE	540 TN	\$100.00 PER TN	\$54,000.00
SUBTOTAL: C-3.b			\$103,000.00
c. CONCRETE PAVING	0 SY	\$75.00 PER SY	\$0.00
d. BITUM TACK COAT	170 GAL	\$2.00 PER GAL	\$340.00
SUBTOTAL: C-3			\$158,340.00
4. LUMP ITEMS:			
a. GRASSING	2 AC	\$1,600.00 PER AC	\$2,560.00
b. CLEARING AND GRUBBING	3 AC	\$5,000.00 PER AC	\$15,000.00
c. LANDSCAPING			\$0.00
d. EROSION CONTROL (10 % OF CONSTRUCTION COST)		USE \$132,459.50	\$132,500.00
e. TRAFFIC CONTROL			\$50,000.00
SUBTOTAL: C-4			\$200,060.00

5. MISCELLANEOUS:			
a. LIGHTING			\$0.00
b. SIGNING	5 EA	\$560.00 PER EA	\$2,800.00
c. PAVEMENT MARKING	600 LF	\$0.70 PER LF	\$420.00
d. BRIDGE PAVEMENT MARKING	210 LF	\$20.00 PER LF	\$4,200.00
e. GUARDRAIL	600 LF	\$24.00 PER LF	\$14,400.00
f. SIDEWALK	0 SY	\$35.00 PER SY	\$0.00
g. CROSS DRAIN PIPE RIP RAP	0 EA	\$1,000.00 PER EA PIPE	\$0.00
SUBTOTAL: C-5			\$21,820.00
6. SPECIAL FEATURES:			
a.	0 UNIT	\$0.00 COST PER UNIT	\$0.00
SUBTOTAL: C-6			\$0.00
ESTIMATE SUMMARY			
A. RIGHT-OF-WAY			\$100,400.00
B. REIMBURSABLE UTILITIES			\$25,000.00
C. CONSTRUCTION			
1. MAJOR STRUCTURES		\$567,675.00	
2. GRADING AND DRAINAGE		\$509,200.00	
3. BASE AND PAVING		\$158,340.00	
4. LUMP ITEMS		\$200,060.00	
5. MISCELLANEOUS		\$21,820.00	
6. SPECIAL FEATURES		\$0.00	
SUBTOTAL CONSTRUCTION COST			\$1,457,095.00
E. & C. (10%)	5%	1,457,095	\$145,709.50
INFLATION (5% YEAR)	C = 12%	NUMBER OF YEARS 183,593	\$0.00
TOTAL CONSTRUCTION COST		1,713,543	\$1,602,804.50
GRAND TOTAL PROJECT COST			\$1,728,204.50
This project is 100 % in Congressional District 2			

TOTAL CONST COST = 1,713,543 ←
 R/W = 101,000
 UTL = 25,000

 TOTAL PROJECT COST = 1,839,543 ←

ADL
 5/14/2008

WIDENING COST CALCULATIONS FOR EXISTING BRIDGE.

WIDTH OF EXISTING BRIDGE TO REMAIN

WIDTH = 26'

WIDTH OF PROPOSED BRIDGE

WIDTH = 38' + 2 x 1.625 BARRIER
= 41.25'

DIFFERENCE IN WIDTH

DIFFERENCE = 41.25' - 26'
= 15.25' WIDENING

COST OF WIDENING = COST OF BR PROJECT

COST = 15.25' x 141' LONG BRIDGE x \$180/SF

COST = \$ 387,045

5% cont 19,352
12% cont 48,767

\$ 455,164 SAY \$ 456,000

\$180/SF
PER PHONE
CONNECTION
W/BILL IN CALSDE
ASST ST. BRIDGE EDGAR.
5/13/2008

Del
5/12/2008

Preliminary Right of Way Cost Estimate



Phil Copeland

Right of Way Administrator
By: Jerry Milligan

0007172

P.I. Number: 0005320

No. Parcels: 3

Date: December 6, 2007

Project: CSBRG-0007-00(172)Dooly

Existing/Required R/W: Varies/Varies

Project Termini : Bridge Replacement on SR 230 over Turkey Creek

Project Description: Bridge Replacement over SR 230 over Turkey Creek north
Of Byronville

Land: Res/ Ag.: R/W .78 acre @ \$5,000 / acre	\$	3,900
---	----	-------

Improvements : Misc. Site Improvements		25,000
--	--	--------

Relocation: Residential (0)		
Commercial (0)		0

Damage : Cost to Cure (0) parcel		
Proximity (0)parcel		
Uneconomic Remnant		<u>0</u>

Net Cost	\$	28,900
----------	----	--------

Net Cost		\$ 28,900
Scheduling Contingency 55 %		15,895
Adm/Court Cost 60 %		26,897
Market Appreciation 40 %		<u>28,669</u>
	\$	100,341

Total Cost \$100,400

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE **CSBRG-0007-00(172), Dooly County, P.I.#0007172** OFFICE Thomaston
Bridge Replacement SR-230 @ Turkey Creek 9.5 mi west of Vienna
DATE January 3, 2008

FROM Thomas B. Howell, P.E., District Engineer

TO David Millen, District Preconstruction Engineer

SUBJECT **UTILITY COST ESTIMATE**

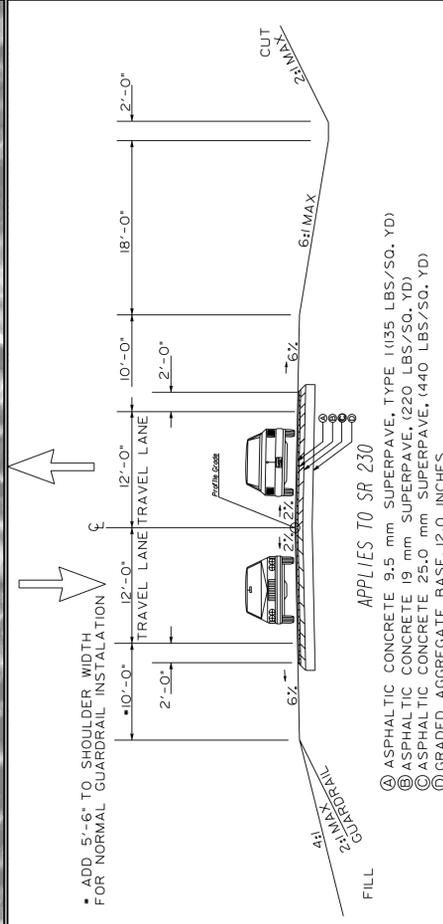
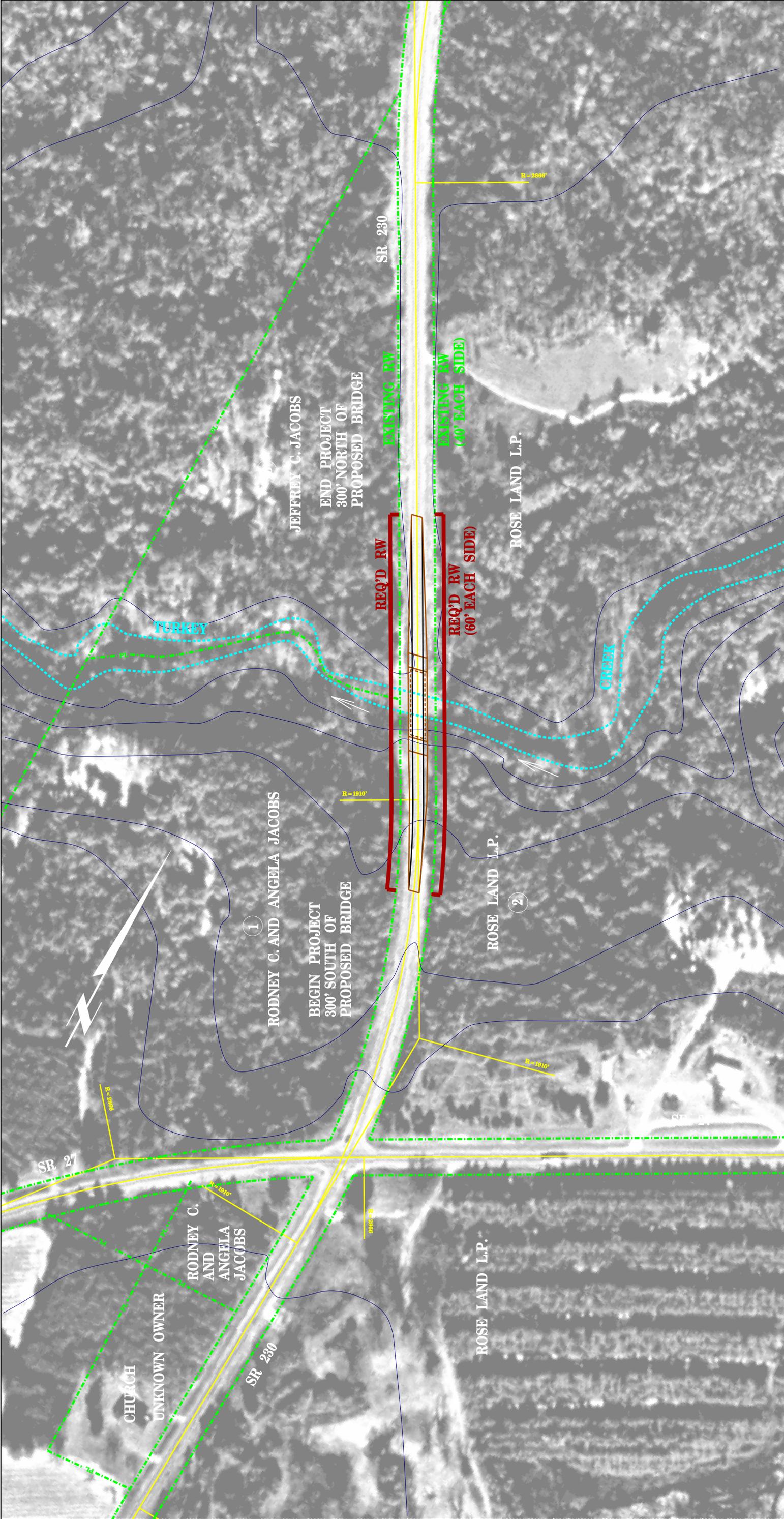
The following is a ballpark utility cost estimate for facilities located within the scope of the above referenced project.

UTILITY OWNER	PUBLIC OR PRIVATE	TYPE OF UTILITY	REIMBURSABLE	NON-REIMBURSABLE
Citizens Telephone Co	Private	Telecomm	0	25,000
Middle Georgia EMC	Public	Electric	NO FACILITIES	
TOTAL PROJECT COST			\$ 0	\$25,000

If you have any questions, please call Glenn A. Williams at 706-646-6696.

KMG:GAW:pls

cc: Bill Rountree, District Design Engineer (*via: e-mail*)

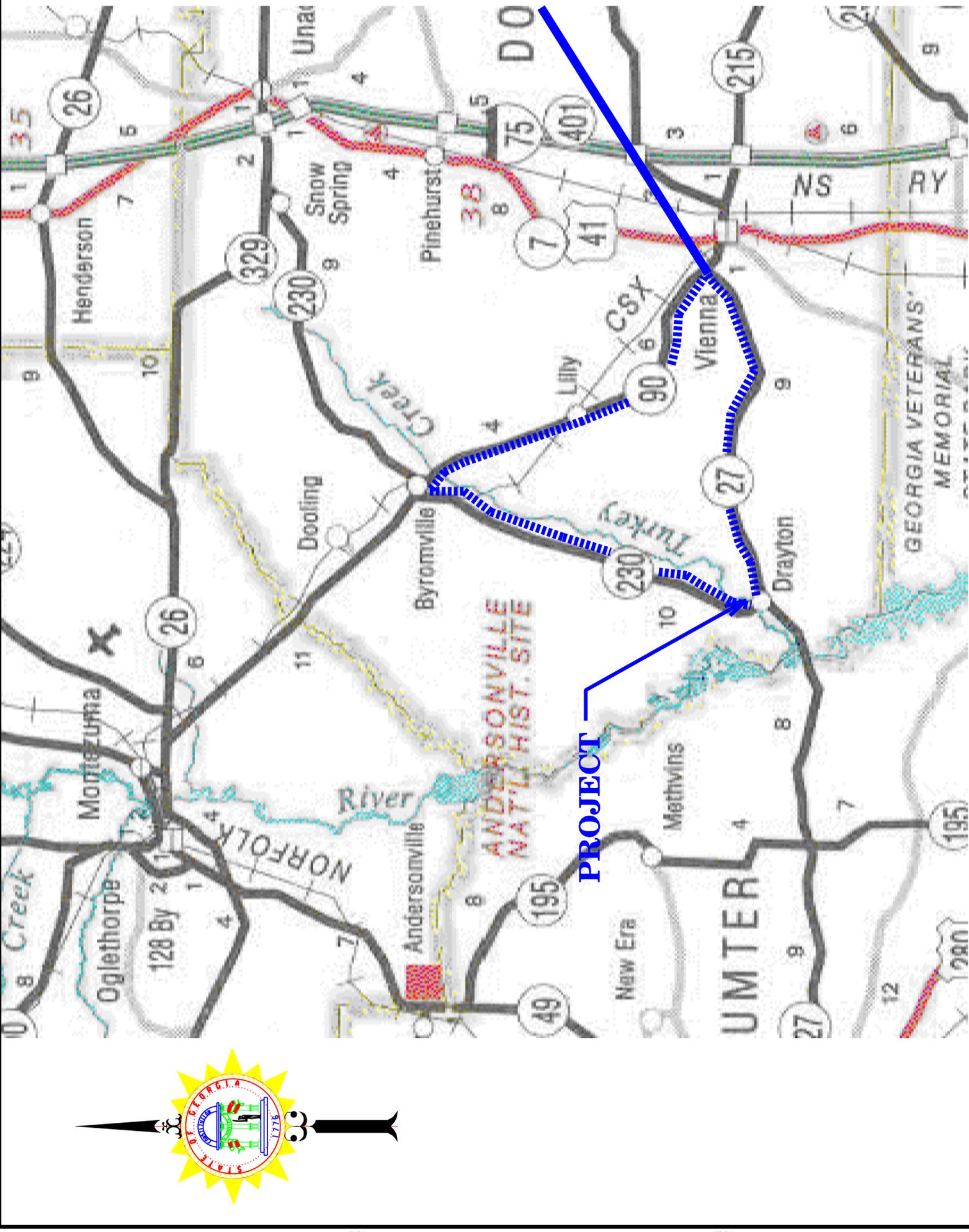


CSBRG-0007-00(172) DOOLY
P.I.NO. 0007172
SR 230 OVER
TURKEY CREEK

APPLIES TO SR 230

(A) ASPHALTIC CONCRETE 9.5 mm SUPERPAVE, TYPE 1 (135 LBS/SQ. YD)
 (B) ASPHALTIC CONCRETE 19 mm SUPERPAVE, 1220 LBS/SQ. YD
 (C) ASPHALTIC CONCRETE 25.0 mm SUPERPAVE, 1440 LBS/SQ. YD
 (D) GRADED AGGREGATE BASE, 12.0 INCHES

LEGEND	
EXISTING INFORMATION	PROPOSED INFORMATION
<ul style="list-style-type: none"> RIGHT-OF-WAY PROPERTY LINE HISTORIC AREA CEMETERY BOUNDARY PARK BOUNDARY ROADWAY DOES NOT MEET CURRENT DESIGN STANDARDS RIVERS / CREEKS WETLANDS HYDRIC SOILS 	<ul style="list-style-type: none"> CENTERLINE RIGHT-OF-WAY NEW PAVEMENT RAISED MEDIAN NEW / WIDENED BRIDGE BARRICADE DISPLACEMENTS TRAFFIC FLOW ARROWS
	<p>0 100 200 400</p> <p>SCALE IN FEET</p>



This alternate will be used if the project is let by itself.

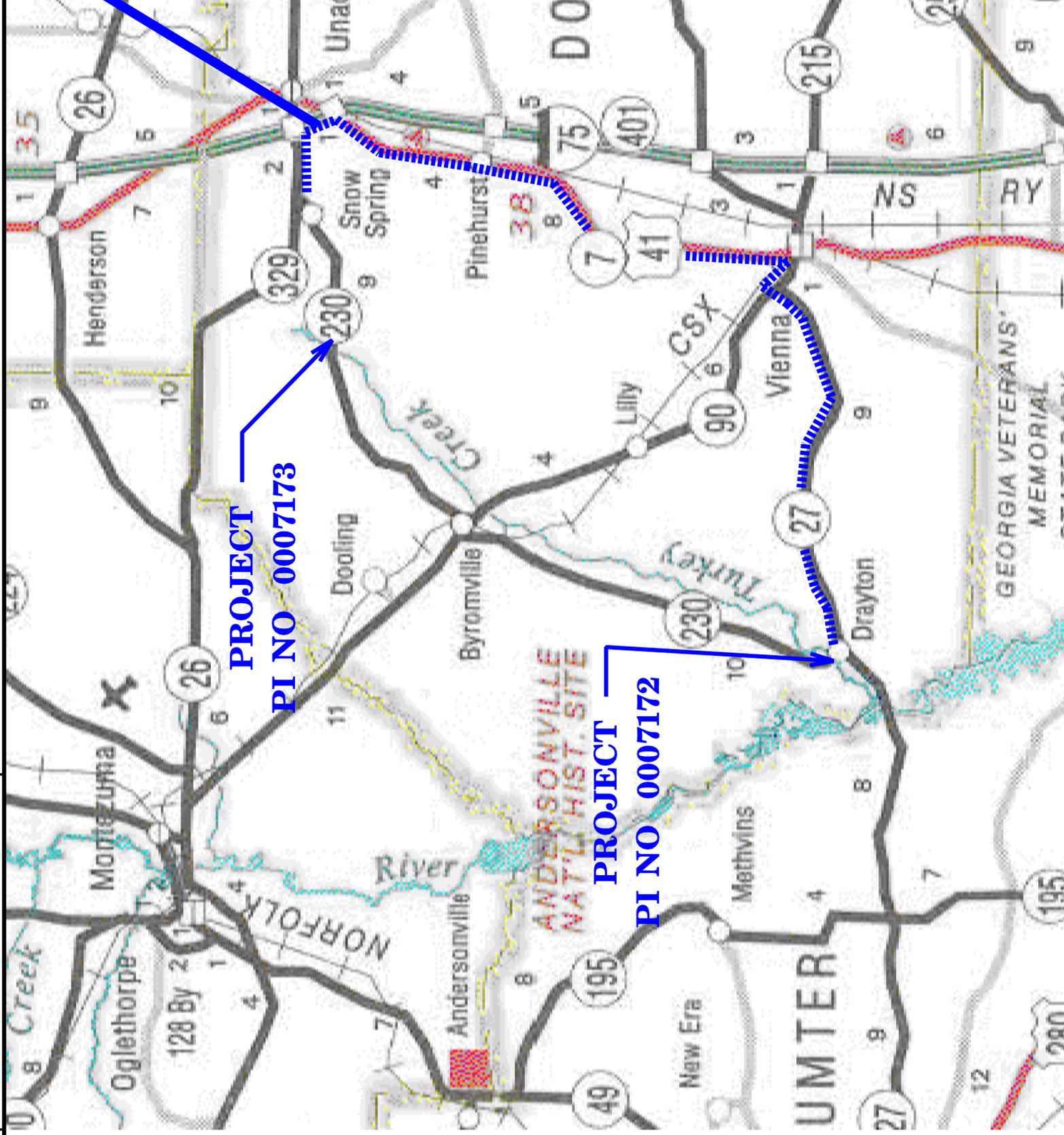
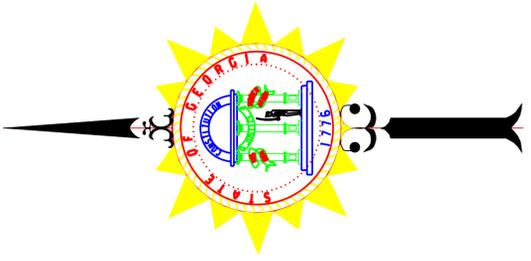
SR 230 will be closed to through traffic during construction.

**SR 230 Detour Alternate 2
SR 230 Detour Alternate 1
Approximately 29 Miles**

**DETOUR PLAN
Alternate 1
SR 230 SOUTHWEST OF
BYROMVILLE
CSBRG-0007-00(172) Dooly
PI 0007172**

REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION
	OFFICE: DETOUR PLAN
	DRAWING NO. 1 of 1

No Scale



SR 230 Detour Alternate 2
Approximately 24 Miles

This alternate will be used if the project is let with project:
CSBRG-0007-00(173) Dooly PI 0007173.

SR 230 will be closed to through traffic during construction.

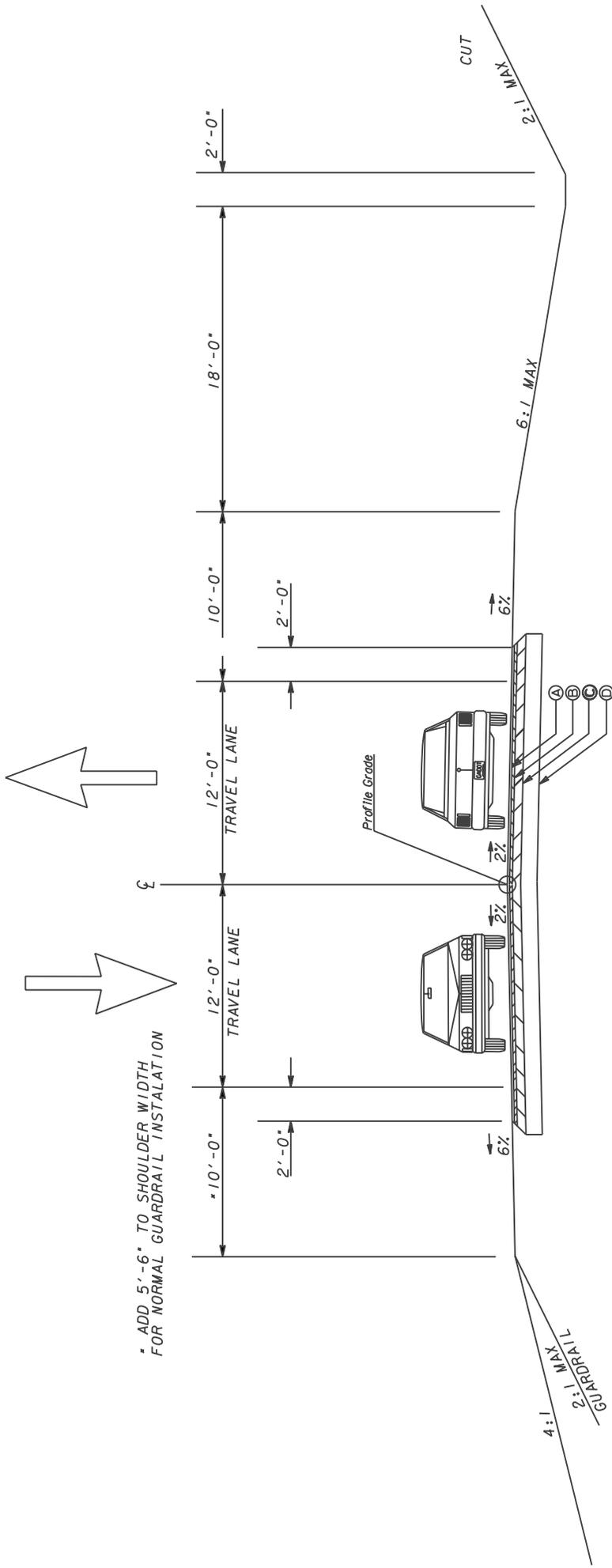
DETOUR PLAN
Alternate 2
SR 230 SOUTHWEST OF BYROMVILLE
CSBRG-0007-00(172) Dooly PI 0007172

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:

DETOUR PLAN

TYPICAL SECTION



APPLIES TO CR 546 LOWER FAYETTEVILLE ROAD

- (A) ASPHALTIC CONCRETE 9.5 mm SUPERPAVE, TYPE 1 (135 LBS/SQ. YD)
- (B) ASPHALTIC CONCRETE 19 mm SUPERPAVE, (220 LBS/SQ. YD)
- (C) ASPHALTIC CONCRETE 25.0 mm SUPERPAVE, (550 LBS/SQ. YD)
- (D) GRADED AGGREGATE BASE, 8.0 INCHES

FILL

Bridge Inventory Data Listing
Georgia Department of Transportation.

Structure ID: 093-0022-0

Dooly

SUFF. RATING: 58.63

Location & Geography				Signs & Attachements	
* Structure ID:	093-0022-0	* 104 Highway System:	0	225 Expansion Joint Type:	02
200 Bridge Information:	06	* 26 Functional Classification:	07	242 Deck Drains:	1
* 6A Feature Int:	TURKEY CREEK	* 204 Federal Route Type:	S No. 00533	243 Parapet Location:	0.00
* 6B Critical Bridge:	0	105 Federal Lands Highway:	0	Height:	0.00
* 7A Route Number Carried:	SR00230	* 110 Truck Route:	0	Width:	0.00
* 7B Facility Carried:	SR 230	206 School Bus Route:	1	238 Curb Height:	1.2
* 9 Location:	9.5 MI W OF VIENNA	217 Benchmark Elevation:	0256.20	Curb Material:	1
2 DOT District:	3	218 Datum:	2	239 Handrail:	1 1
207 Year Photo:	2007	* 19 Bypass Length:	08	* 240 Median Barrier Rail:	0
* 91 Inspection Frequency:	24 Date: 7/18/2007	* 20 Toll:	3	241 Bridge Median Height:	0.0
92A Fract Crit Insp Freq:	00 Date: 2/1/1901	* 21 Maintenance:	01	* Bridge Median Width:	0.0
92B Underwater Insp Freq:	60 Date: 6/13/2006	* 22 Owner:	01	230 Guardrail Loc. Dir. Rear:	3
92C Other Spc. Insp Freq:	00 Date: 2/1/1901	* 31 Design Load:	2	Fwr:	3
* 4 Place Code:	00000	37 Historical Significance:	5	Oppo. Dir. Rear:	0
* 5 Inventory Route (O/U):	1	205 Congressional District:	02	Oppo. Fwr:	0
Type:	3	27 Year Constructed:	1963	244 Approach Slab:	3
Designation:	1	106 Year Reconstructed:	0000	224 Retaining Wall:	0
Number:	00230	33 Bridge Median:	0	233 Posted Speed Limit:	55
Direction:	0	34 Skew:	16	236 Warning Sign:	0
* 16 Latitude:	32 - 04.6200 HMMS Prefix: SR	35 Structure Flared:	0	234 Delineator:	1
* 17 Longitude:	83 - 57.4070 HMMS Suffix: 00 MP:0.20	38 Navigation Control:	0	235 Hazzard Boards:	0
98 Border Bridge:	000 % Shared: 00	213 Special Steel Design:	0	237 Utilities - Gas:	00
99 ID Number:	0000000000000000	267 Type of Paint:	4	Water:	00
* 100 STRAHNET:	0	* 42 Type of Service on:	1	Electric:	00
12 Base Highway Network:	1	Type of Service under:	5	Telephone:	22
13A LRS Inventory Route:	931023000	214 Movable Bridge:	0	Sewer:	00
13B Sub Inventory Route:	0	203 Type Bridge:	A O M O	247 Lighting - Street:	0
101 Parallel Structure:	N	259 Pile Encasement:	3	Navigation:	0
* 102 Direction of Traffic:	2	* 43 Structure Type Main:	3 02	Aerial:	0
* 264 Road Inventory Mile Post:	000.18	45 No. Spans Main:	003	* 248 County Continuity No.:	00
* 208 Inspection Area:	08 Initials: JLA	44 Structure Type Appr:	0 00		
Engineer's Initial:	sgm	46 No. Spans Appr:	0000		
		226 Bridge Curve Horz:	0 Vert: 1		
		111 Pier Protection:	0		
		107 Deck Structure Type	1		
* Location I.D. No.:	093-00230D-000.20E	108 Wearing Surface Type:	1		
		Membrane Type:	0		
		Deck Protection:	8		

Structure ID: 093-0022-0

Programming Data		Measurements		Ratings	
201 Project No.:	S-0533 (5)	* 29 ADT:	000650 Year: 2006	65 Inventory Rating Method:	1
202 Plans Available:	4	109 % Trucks:	0	63 Operating Rating Method:	1
249 Prop. Proj. No.:	BRG-0007-00(172)	* 28 Lanes On:	02 Under: 00	66 Inventory Type:	2 Rating: 14
250 Approval Status:	0 0 0 0	210 No. Tracks On:	00 Under: 00	64 Operating Type:	2 Rating: 23
251 P.I. No.:	0007172	* 48 Max. Span Length:	0047	231 Calculated Loads	
252 Contract Date:	2/1/1901	* 49 Structure Length:	141	H-Modified:	21 1
260 Seismic No.:	00000	51 Br. Rwdy. Width:	26.00	HS-Modified:	28 1
75 Type Work:	00 0	52 Deck Width:	32.30	Type 3:	25 1
94 Bridge Imp. Cost:	\$400	* 47 Tot. Horiz. Cl:	26.00	Type 3s2:	34 1
95 Roadway Imp. Cost:	\$50	50 Curb / Sidewalk Width:	2.00 / 2.00	Timber:	29 1
96 Total Imp Cost:	\$450	32 Approach Rdwy. Width:	024	Piggyback:	22 0
76 Imp. Length:	000000	* 229 Shoulder Width:		261 H Inventory Rating:	12
97 Imp. Year:	0000	Rear Lt:	2.0 Type: 2 Rt: 2.0	262 H Operating Rating:	21
114 Future ADT:	000975 Year: 2026	FwrD Lt:	2.0 Type: 2 Rt: 2.0	67 Structural Evaluation:	4
		Pavement Width:		58 Deck Condition:	6
		Rear:	20.0 Type: 2	59 Superstructure Condition:	8
			20.0 Type: 2	* 227 Collision Damage:	0
		Intersection Rear:	1 FwrD: 0	60A Substructure Condition:	7
Hydraulic Data		36 Safety Features Br. Rail:	2	60B Scour Condition:	7
215 Waterway Data		Transition:	2	60C Underwater Condition:	7
Highwater Elev.:	0000.0 Year: 1900	App. G. Rail:	2	71 Waterway Adequacy:	5
Flood Elevation:	0300.1 Freq.: 100	App. Rail End:	2	61 Channel Protection Cond.:	7
Avg. Streambed Elev.:	0000.0	53 Minimum Cl. Over:	99' 99 "	68 Deck Geometry:	5
Drainage Area:	00003	Under:	N 00' 00 "	69 UnderClr. Horz/Vert:	N
Area of Opening:	001110	* 228 Minimum Vertical Cl		72 Appr. Alignment:	6
113 Scour Critical:	U	Act. Odm Dir.:	99 ' 99 "	62 Culvert:	N
216 Water Depth:	05.5 Br. Height: 17.5	Oppo. Dir:	99 ' 99 "		
222 Slope Protection:	1	Posted Odm. Dir:	00 ' 00 "		
221 Spur Dikes Rear:	0 FwrD: 0	Oppo. Dir:	00 ' 00 "	Posting Data	
219 Fender System:	0	55 Lateral Undercl. Rt:	N 0.0	70 Bridge Posting Required:	1
220 Dolphin:	0	56 Lateral Undercl. Lt:	0.0	41 Struct Open, Posted, CL:	P
223 Culvert Cover:	000	* 10 Max Min Vert Cl:	99' 99 " Dir: 0	* 103 Temporary Structure:	0
Type:	0	39 Nav Vert Cl:	000 Horiz: 0000	232 Posted Loads	
No. Barrels:	0	116 Nav Vert Cl Closed:	000	H-Modified:	21
* Width:	0.00 Height: 0.00	245 Deck Thickness Main:	6.50	HS-Modified:	28
* Length:	0 Apron: 0	Deck Thick. Approach:	0.00	Type 3:	25
265 U/W Insp. Area:	0 Diver: RMO	246 Overlay Thickness:	0.00	Type 3s2:	34
		212 Year Last Painted:	Sup: 2000 Sub: 0000	Timber:	29
Location I.D. No.:	093-00230D-000.20E			Piggyback:	00
				253 Notification Date:	2/1/1901
				258 Fed Notify Date:	2/1/1901

CONCEPT TEAM MEETING MINUTES

CSBRG-0007-00(172) – Dooly County

P.I. 0007172

SR 230 @ TURKEY CREEK 9.5 MI WEST OF VIENNA

The concept team meeting for Georgia DOT project above was held at 2:00 P.M. on Monday, January 7th, 2008 with Bill Rountree, P.E., District 3 Design Engineer officiating. Team members present were:

Bill Rountree	GDOT, District 3 Design Engineer (706-646-6990), bill.rountree@dot.state.ga.us
Debra Pruitt	GDOT, District 3 Environmentalist (706-646-6984), debra.pruitt@dot.state.ga.us
Kerry Gore	GDOT, District 3 District Utility Engineer (706-646-6692), kerry.gore@dot.state.ga.us
David Millen	GDOT, District 3 Preconstruction Engineer (706-646-6987), david.millen@dot.state.ga.us
Jack Reed	GDOT, District 3 Design Squad Leader (706-646-6991), jack.reed@dot.state.ga.us
Brink Stokes	GDOT, District 3 Area Engineer (478-988-7151), brink.stokes@dot.state.ga.us
Tom Queen	GDOT, District 3 Planning and Programming (706-646-6982), tom.queen@dot.state.ga.us

The following constitutes the minutes for the concept team meeting. The minutes are a summary in nature and do not attempt to document every item discussed nor statement made. Should your recollection differ from what is contained herein or you wish to add something, please contact Bill Rountree at 706-646-6990, or via e-mail at bill.rountree@dot.state.ga.us.

- I. The meeting began at approximately 2:00 P.M.
- II. Each member was provided with a concept report draft, meeting agenda and a current TPRO project schedule. A layout of the concept design and proposed offsite detour were displayed as visual aides. It was requested that comments or questions be withheld until after a review of the concept report draft. It was further requested that comments be written on the back of the meeting agenda and turned in to Jack Reed at the end of the meeting.
- III. Bill Rountree began by giving a project description using a video of the project and the project layout.
- IV. Additionally, Bill Rountree led the group through the draft concept report. The project is in the S.T.I.P.
- V. Following the draft concept report review, comments and questions were requested from members present. Such comments have been listed below and are categorized by department.
 - a. Planning: No comments
 - b. Office of Financial Management: Not present but commented by email
Ruksana Az-zahir stated:
 - PE 2007 (AUTHORIZED)
 - RW LR
 - CST LR

➤ NOTIFICATION LETTER SENT TO DOOLY 06-16-06

- c. Environmental: No comments
 - d. Utilities: No comments
 - a. Right of Way: Not present
 - e. Traffic Operations: Not present
 - f. Construction: No additional comments
 - g. Maintenance: Not present
 - h. Location: Not present
 - i. County: Not present
 - j. Preconstruction: David Millen does not want this bridge constructed at the same time as PI. NO. 0007173 Dooly. He also wants to make sure new GDOT Bridge Design Standards are incorporated into the design of bridge.
- VI. The overall consensus of the members of the design team was to proceed with project as proposed.
- VII. The meeting was adjourned at approximately 3:00 P.M.