

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. M003370, Gilmer County **OFFICE** Preconstruction
PEERP-M003-00(370)
Wall Repair and Stabilization at SR 282
And Cartecay River **DATE** January 25, 2006

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

TO SEE DISTRIBUTION

SUBJECT **APPROVED PROJECT CONCEPT REPORT**

Attached for your files is the approval for subject project.

MBP/cj

Attachment

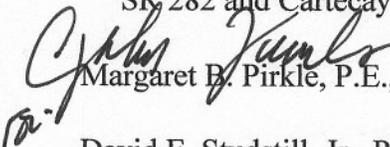
DISTRIBUTION:

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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. M003370, Gilmer County **OFFICE** Preconstruction
 PEERP-M003-00(370)
 Wall Repair and Stabilization at
 SR, 282 and Cartecay River **DATE** January 18, 2006

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

TO  David E. Studstill, Jr., P.E., Chief Engineer

SUBJECT PROJECT CONCEPT REPORT

This project consists of repair and stabilization of the existing wall on the west side of SR 282 between SR 282 and the Cartecay River in Ellijay. Existing SR 282 within the project limits consist of four, 12' lanes with a 12' flush median and curb and gutter on 80' of existing right-of-way. The construction proposes to stabilize the wall slope repair or wall repair for an approximate length of 200' and a variable width.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; a public hearing open house is not required; time saving procedures are appropriate. T & E involvement; will coordinate with USFWS.

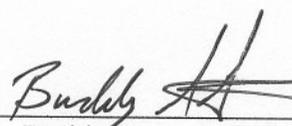
The estimated costs for this project are:

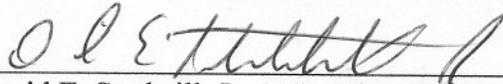
	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C and inflation)	\$548,000	\$548,000	Lump	2006
Right-of-Way	\$ 7,000	\$ 7,000		
Utilities	-0-	-0-		

I recommend this project concept be approved.

MBP:JDQ/cj

Attachment

CONCUR 
Buddy Gratton, P.E., Director of Preconstruction

APPROVE 
David E. Studstill, Jr., P.E., Chief Engineer

NOTICE OF LOCATION AND DESIGN APPROVAL

PEERP-M003-00(370)

P. I. M003370

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 this project.

The date of location approval is *JANUARY 25, 2006*

This project is a maintenance project on SR282 at the Cartecay River in Ellijay in Gilmer County. This project will consist of repair and stabilization of the Existing Wall on the West side of SR282 between SR282 and the Cartecay River. This is situated in District 11, Section 81, Land Losses 84 and 97, Gilmer County.

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

Lou Chastain, Area Engineer
258 Maddox Drive
Ellijay, Georgia 30540
706-635-5551

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:

Curtis DeWayne Comer
Preconstruction Office
500 Joe Frank Harris Parkway
Cartersville, Georgia 30120
770-387-3619

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, and may be referred to:

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**DISTRICT 6
PROJECT CONCEPT REPORT**

**PEERP-M003-00(370)
GILMER COUNTY
P.I. M003370**

Federal Route Number:
State Route: SR282

Recommendation for approval:

DATE _____
Project Manager

DATE _____
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 11.28 _____
State Environmental/Location Engineer

DATE _____
State Traffic Safety & Design Engineer

DATE _____
Project Review Engineer

DATE _____
State Bridge and Structural Design Engineer

DATE _____
State Materials and Research Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**DISTRICT 6
PROJECT CONCEPT REPORT**

**PEERP-M003-00(370)
GILMER COUNTY
P.I. M003370**

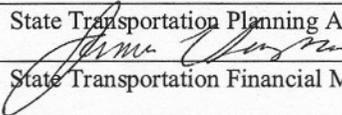
Federal Route Number:
State Route: SR282

Recommendation for approval:

DATE _____
Project Manager

DATE _____
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 <u>11-29-05</u>	 State Transportation Financial Management Administrator
DATE _____	State Environmental/Location Engineer
DATE _____	State Traffic Safety & Design Engineer
DATE _____	Project Review Engineer
DATE _____	State Bridge and Structural Design Engineer
DATE _____	State Materials and Research Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**DISTRICT 6
PROJECT CONCEPT REPORT**

**PEERP-M003-00(370)
GILMER COUNTY
P.I. M003370**

Federal Route Number:
State Route: SR282

Recommendation for approval:

DATE _____
_____ Project Manager

DATE _____
_____ District Engineer

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DATE _____
_____ State Transportation Planning Administrator

DATE _____
_____ State Transportation Financial Management Administrator

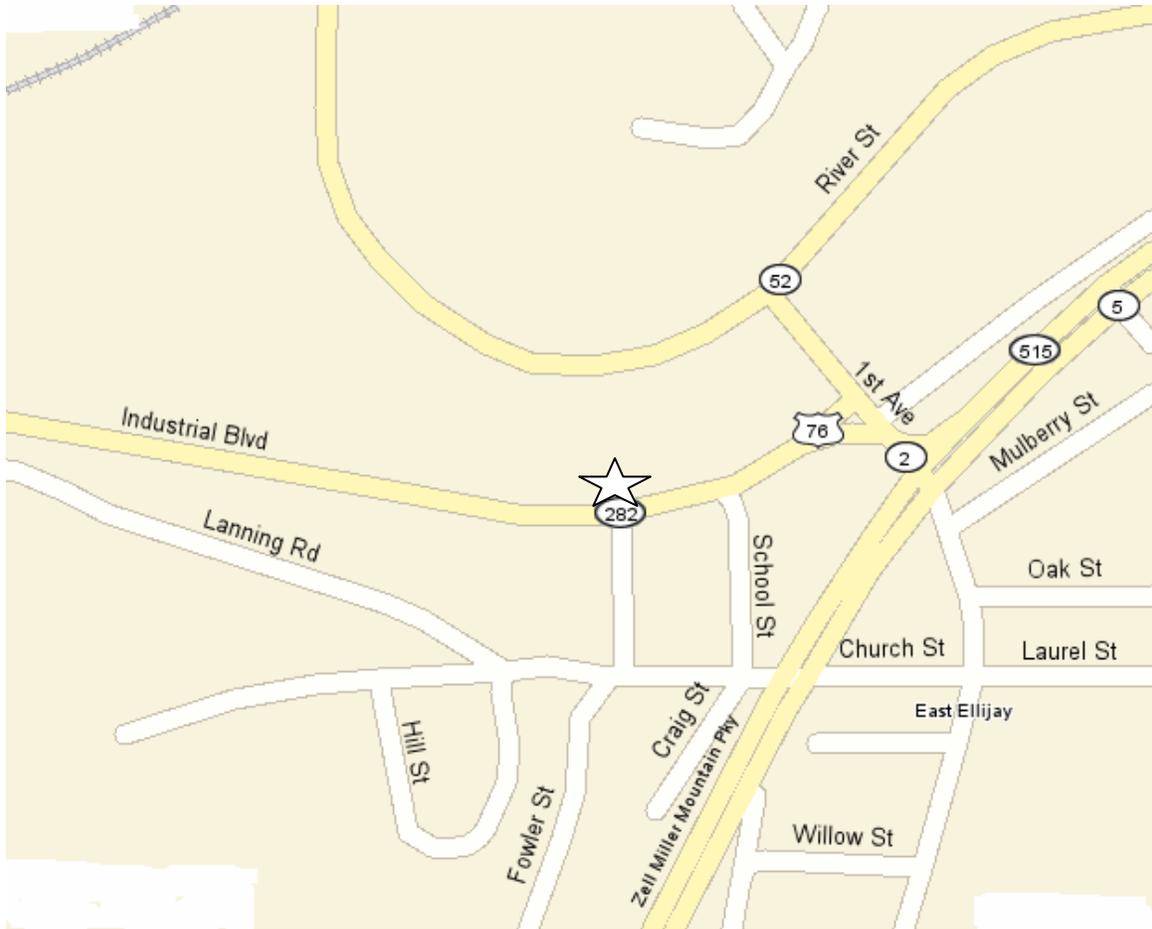
DATE _____
_____ State Environmental/Location Engineer

DATE _____
_____ State Traffic Safety & Design Engineer

DATE _____
_____ Project Review Engineer

DATE _____
_____ State Bridge and Structural Design Engineer

DATE _____
_____ State Materials and Research Engineer



SITE 16
SR282 at CARTECAY RIVER
IN ELLIJAY
GILMER COUNTY
0.15 Mi. SW on SR282
From intersection
With First Ave.

Project Number: PEERP-M003-00(370)
P. I. Number: M003370
County: GILMER

Need and Purpose: This project is to stabilize a wall between SR282 and Cartecay River in Ellijay in Gilmer County. The repair and stabilize of the wall will be to correct the failure of the wall and soils under and around the wall and roadway. This wall is in close proximity to the Cartecay River.

Description of the proposed project: This project is a maintenance project on SR282 at the Cartecay River in Ellijay in Gilmer County at M.P. 12.85. This project will consist of repair and stabilization of the Existing Wall on the West side of SR282 between SR282 and the Cartecay River. The intent is to stabilize the wall with slope repair or wall repair for an approximate length of 200 feet and with a variable width.

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: Minor Arterial

U. S. Route Number(s): 76 **State Route Number(s):** SR282

Traffic (AADT): N/A

Existing design features:

- Typical Section: Four 12 foot lanes and 12 flush median with curb and gutter. Eight foot shoulders. A wall on the North West side of roadway to support and separate roadway from the Cartecay River.
- Posted speed 35 mph Minimum radius for curve: tangent section
- Maximum super-elevation rate for curve: no super elevation
- Maximum grade: 2 %
- Width of right of way: 80 ft.
- Major structures: support and separating Wall between roadway and river

Project Number: : PEERP-M003-00(370)
 P. I. Number: : M003370
 County: : GILMER

Proposed Design Features:

- Proposed typical section(s): same as existing design features.
- Proposed Design Speed Mainline 35 mph
- Proposed Maximum grade Mainline 2 % Maximum grade allowable 7 %.
- Proposed Maximum grade Side Street N/A % Maximum grade allowable N/A %.
- Proposed Maximum grade driveway N/A %
- Proposed Minimum radius for curve no curve Minimum radius allowable 314
- Proposed Maximum super-elevation rate for curve: no super elevation
- Proposed Maximum degree of curve no curve. Maximum degree allowable 18.
- Right of way
 - Width No extra R/W required.
 - Easements: Temporary (), Permanent (), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (), Other ().
 - Number of parcels: 0 Number of displacements:
 - Business: None
 - Residences: None
 - Mobile homes: None
 - Other: None
- Structures:
 - Bridges: None
 - Retaining walls: Existing Wall Maintenance
- Major intersections and interchanges. None
- Traffic control during construction: Staged
- Design Exceptions to controlling criteria anticipated:

	<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)

- Design Variances; None
- Environmental concerns: Section 404 and Water Quality. Endangered Species.

Project Concept Report page 5

Project Number:

P. I. Number: : M003370

County: : GILMER

- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - Categorical exclusion (X),

- Utility involvements: None

Project responsibilities:

- | | |
|--------------------------------|---------------------|
| ○ Design, | GDOT |
| ○ Right of Way Acquisition, | GDOT |
| ○ Relocation of Utilities, | GDOT (No Utilities) |
| ○ Letting to contract, | GDOT |
| ○ Supervision of construction, | GDOT |
| ○ Providing material pits, | Contractor |
| ○ Providing detours. | Contractor |

Coordination

- Concept meeting date and brief summary.
- FEMA, USCG, and/or TVA:
- Other projects in the area: None
- Other coordination to date: None
- FHWA
- Notes from concept team meeting

Scheduling – Responsible Parties’ Estimate

- Time to complete the environmental process: 9 Months.
- Time to complete preliminary construction plans: 6 Months.
- Time to complete right of way plans: 1.5 Months.
- Time to complete the Section 404 Permit: 6 Months.
- Time to complete final construction plans: 1 Months.
- Time to complete to purchase right of way: 2 Months.

Project Concept Report page 6

Project Number: : PEERP-M003-00(370

P. I. Number: : M003370

County: : GILMER

Other alternates considered: None

Comments: None

Attachments:

1. Cost Estimates:
 - a. Construction including E&C,
 - b. Right of Way: Easement Cost
2. Sketch location map,
3. Typical sections: N/A
4. Minutes of Concept Team Meeting:
5. Location and Design Notice

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

Right of Way Cost Estimate

PEERP-M003-00(370)

PI No. M003370

Existing R/W= 80 Ft.

Required Easement = 40 X 380 Ft.

Approximately 0.35 acres required Easement

Easement = \$20,000 per acre

0.35x\$20,000.00

Total Easement cost = \$7,000

PRELIMINARY COST ESTIMATE

DATE: 9/6/2005
PROJECT: PEERP-M003-00(370)
P.I. NO: M003370
COUNTY: GILMER

PROJECT DESCRIPTION: SITE 16 SLIDE PROJECT SR282 AT CARTECAY RIVER IN ELLIJAY GILMER COUNTY.

TRAFFIC:	Existing: _____	Design: _____	
	PROGRAMMING	CONCEPT	DURING
()	PROCESS	DEVELOPMENT	PROJECT
	(X)		DEVELOPMENT
A	RIGHT OF WAY		
	1 PROPERTY (Land and Easements)		\$ 7,000
	2 DISPLACEMENTS		_____
	3 OTHER COSTS		_____
		SUBTOTAL	\$ 7,000
B	REIMBURSABLE UTILITIES	no involvement	
	1 RAILROAD		_____
	2 TRANSMISSION LINES		_____
	3 SERVICES		_____
		SUBTOTAL	\$ -
C	MAJOR STRUCTURES		
	1 WALLS (MICROPILE)		\$ 250,000
	2 BRIDGE STREAM CROSSINGS		_____
	3 BRIDGE OVER/UNDERPASS		_____
	4 BOX CULVERTS		_____
		SUBTOTAL	\$ 250,000

D	GRADING AND DRAINAGE	
	1 EARTHWORK	
	2 DRAINAGE	\$ 15,000
	a. Cross drain pipes (exc. Box Culverts)	
	b. Curb and Gutter	\$ 8,000
	c. Longitudinal System (incl. Catch Basins)	
	SUBTOTAL	\$ 23,000
E	BASE AND PAVING	
	1 AGGREGATE BASE	\$ 24,000
	2 ASPHALT PAVING	\$ 67,400
	3 CONCRETE PAVING	
	4 OTHER	
	SUBTOTAL	\$ 91,400
F	LUMP ITEMS	
	1 TRAFFIC CONTROL (TEMP SIGNAL)	\$ 60,000
	2 CLEARING AND GRUBBING	
	3 LANDSCAPING	\$ 10,000
	4 EROSION CONTROL	\$ 35,000
	5 DETOURS (Incl. Temp. Bridges)	
	SUBTOTAL	\$ 105,000
G	MISCELLANEOUS	
	1 LIGHTING	
	2 SIGNING & STRIPING	\$ 5,000
	3 GUARDRAIL	
	4 OTHER (ROW Markers)	
	SUBTOTAL	\$ 5,000
H	SPECIAL FEATURES	SUBTOTAL

ESTIMATE SUMMARY

CONSTRUCTION COST SUMMARY

A	MAJOR STRUCTURES	\$	250,000
B	GRADING AND DRAINAGE	\$	23,000
C	BASE AND PAVING	\$	91,400
D	LUMP ITEMS	\$	105,000
E	MISCELLANEOUS	\$	5,000
F	SPECIAL FEATURES	\$	-
	SUBTOTAL	\$	474,400
	 E & C (10%)	 \$	 47,440
	INFLATION (5% PER YEAR)	\$	26,092
	TOTAL CONSTRUCTION COST	\$	547,932

ROW & UTILITIES COST SUMMARY

G	RIGHT OF WAY	\$	7,000
H	REIMBURSABLE UTILITIES	\$	-
	SUBTOTAL	\$	7,000
	 GRAND TOTAL COST	 \$	 554,932

11-4-2005

CONCEPT TEAM MEETING NOTES

PEERP-M003-00(370)

PI No. M003370

**Wall Repair and Stabilization at SR282 at the Cartecay River
In the City of Ellijay
Gilmer County**

General Comments:

Utility:	No utilities on wall side should be no conflicts.
Environmental:	Section 404 and Endangered Species. Possible use of Toe Protection to seal bottom of wall was mentioned.
Construction:	Very concerned about any use of Grout that seepage may occur in the River.
Preconstruction:	Concerned about method and type of repair and stabilization of wall.
Traffic OPS	Will require closing one maybe two lanes. Staging.

PEERP-M003-00 (370) GILMER COUNTY
0003370

Concept Team Meeting November 4, 2005

Name	Office	Phone	E-MAIL
David Moore	GPOT - RESURS	770-387-3622	David.Moore@DOT.STATE.GA.US
Lisa Crawford	GPOT - Environmental	770-387-3681	Lisa.Crawford@DOT.STATE.GA.US
Harold Conley	GPOT - Location	770-387-3621	Harold.Conley@DOT.STATE.GA.US
Chris Capala	GPOT - DEC	404-699-4309	christophes.capala@DOT.STATE.GA.US
PETE PATAVINA	USFWS	706-613-9493 x234	Pete.Patavina@fws.gov
LOU CHASTAIN	AREA 2 ELLIJAY	706 635-5551	LOU.CHASTAIN@DOT.STATE.GA.US
Steve Sanders	Traffic Ops	770 387-3634	Steve.Sanders@DOT.STATE.GA.US
STEPHEN T. MALINAK	DE DESIGN	770 387-3626	
CALE DURRANCE	MAINT.	404 635-8727	

NOTICE OF LOCATION AND DESIGN APPROVAL

PEERP-M003-00(370)

P. I. M003370

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Lou Chastain, Area Engineer
258 Maddox Drive
Ellijay, Georgia 30540
706-635-5551

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Curtis DeWayne Comer
Preconstruction Office
500 Joe Frank Harris Parkway
Cartersville, Georgia 30120
770-387-3619

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, and may be referred to:

SCORING RESULTS AS PER TOPPS 2440-2

Project Number:		County:		PI No.:	
Report Date:		Concept By:			
		DOT Office:			
<input type="checkbox"/> CONCEPT					
		Consultant:			
Project Type: Choose One From Each Column		<input type="checkbox"/> Major <input type="checkbox"/> Minor	<input type="checkbox"/> Urban <input type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input type="checkbox"/> Bridge <input type="checkbox"/> Building <input type="checkbox"/> Interchange <input type="checkbox"/> Intersection <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation					
Judgement					
Environmental					
Right of Way					
Utility					
Constructability					
Schedule					