

*Try for Sept 4 @ 2:00  
on BRIDGE DESIGN*

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE EDS00-0441-00(043), Oconee County OFFICE Program Delivery  
P.I. No. 122660- DATE 08/05/2014  
SR 24/US 441 FM North of Apalachee River to  
Watkinsville Bypass

FROM *Albert Shelby*  
Albert Shelby, State Program Delivery Engineer

TO Glenn Bowman, Director of Engineering

SUBJECT **Project Team Initiation Process (PTIP)/ Scoping Meeting**

The Office of Program Delivery is requesting a Project Team Initiation Process meeting to discuss the scope, schedule and budget for the above noted project. This project is in batch #3 for advertisement. Any items that GDOT internal offices would like to handle will need to be discussed, so they can be removed from the scope of the advertisement. This project will tie into PI 222560-. Please forward this request to the appropriate Subject Matter Experts for their review and scheduling of the PTIP meeting. **A video conference will be needed for District 1 staff.**

The proposed project will consist of the widening/new construction of SR 24/US 441 North of the Apalachee River to the Watkinsville bypass in Oconee County (PI 122660-). Also included in this widening will be the construction of a new bridge over Greenbrier Creek. The environmental document is anticipated to be included with PI 222560-, due to logical termini. This project is not programmed within the approved TIP, however the Athens MPO has a - PE phase in FY 2015; ROW phase in FY 2019; CST phase in FY 2021- in their draft Long Range Transportation Plan. I have attached the Preconstruction Status Report, Approved Concept Report, Revised Concept, Potential Schedule, Project Financial Report, Traffic Data, and Proposed Batch 3 Scoping.

If there are any questions please contact Eric Wilkinson of this Office at (478)538-8522.

*AVS*  
AVS: BWS: GMB: ERW  
Attachments

*Bayne Smith*  
*Brent Cook*

# Preconstruction Status Report

## PI Number: 222560- SR 24/US 441 FM MADISON BYP TO JUST N OF APALACHEE RIVOCONE

COUNTY: Morgan, Oconee  
 LENGTH (MI): 7.32  
 PROJ INC: ED500-041-00(042)  
 PROJ MGR: Wilkinson, Eric Ryan  
 ACHD INITIALS: BWS  
 OFFICE: Program Delivery  
 CONSULTANT: Proposed Consultant Design (DOT contract)  
 SPONSOR: GDOT

SPC: Not Urban  
 TIP #: 1, 2  
 MODEL YR: 10  
 TYPE WORK: Widening  
 CONCEPT: ADD 4R(MED 4)  
 PROG TYPE: Reconstruction/Rehabilitation  
 BOND PROJ: 36.86

BASELINE LET DAT  
 SCHED LET DATE: None  
 LIGHTING TYPE: None

AMOUNT LET DATE:  
 WHO LETS?  
 LET WITH:  
 GDOT Let

Print Date 8/2/14  
 Page 1

Phase	Approved	Proposed	Cost	Fund	Status	Date Auth
PE	1995	1995	\$250,000.00	EDS	AUTHORIZED	7/7/94
PE	2002	2002	\$247,005.08	CFTS	AUTHORIZED	7/7/94
PE	2002	2002	\$24,345.32	GRVA	AUTHORIZED	7/7/94
PE	2002	2002	\$1,486,560.80	Q20	AUTHORIZED	7/7/94
ROW	2018	2018	\$12,193,771.84	M001	PRECST	
CST	2020	2020	\$50,944,816.33	M001	PRECST	

COST ESTIMATES		STEP AMOUNTS	
Activity	Cost	Activity	Fund
PE	\$2,007,911.00	PE	\$0.00 CFTS
ROW	\$9,807,000.00	PE	\$0.00 EDS
CST	\$39,352,000.00	PE	\$0.00 GRVA
		PE	\$0.00 Q20
		ROW	\$0.00 M001
		CST	\$0.00 M001

BASE START	BASE FINISH	TASKS	ACTUAL START	ACTUAL FINISH	%
		BRIDGE REQUIRED			
		WGTG ON UPDATED HIST SURV - PROBLEM ON (43) - 01-30-09			
		CONTRACT EXPIRED/STOP WORK NOTICE GIVEN/Project on hold			
		EAFONSI [H0A0v0] NoLetDate   Burgeis28Jul14			
		M1494(HB5(84)-WBV(8)DTM;C=MS/D;REFLY 6617/08 FOR STUDY			
		REQ MORGAN DO UTL 4-18-03/REG OCOONEE DO UTL 4-18-03/REVISION LETTER SENT TO MORGAN & OCOONEE 1-8-10.			
		BOND, CONCEPT & PAR TOGETHER, FY01 CONSULTANT CONTRACT FOR DESIGN, COORD W/1222, 105500.			
		222560(X)ID 211-0006-00007-09#1 11-01/82 4-02/83 12-02/84 3-08/85 7-08/85 9-09			
		Widen 2 to 4 lanes - Provide additional capacity - reduce congestion - improve mobility-reduce crash frequency-enhance economic development			
		CAH\$ND CNSLTNT PLNS FR REV#030801\$+			
		SUE - Need 2nd SUB PLANS FROM FM (7/29/2014)			

Programmering:  
 S/TIP:  
 Traffic Op:  
 Utility:

### District Comments

PROGRAM DELIVERY: DGM 12/13/13  
 ROW now proposed for FY 18.  
 Request for Consultant Acquisition Authority 10/2013.  
 07/28/2014; project is in Batch 2 2014

In any document with PI#122660 which was deleted from TIP by Athens MPC. Likely no logical terminal without. PI# 0001222 is for replacement of the existing bridges. Bridges will be advertised in scope of 222560

Pre Parcel CT	75	Total Parcel In ROW System:	Acquired by:	DOT	DSEDS CT:
Under Review		Options Pending:	Acquisition INGR:		
Released:		Condemnations - Pend:	R/W Cert Date:		



ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** EDS-441(43) Oconee County **OFFICE** Preconstruction  
P. I. No. 122660  
*CWH* **DATE** October 10, 1997  
**FROM** C. Wayne Hutto, Assistant Director of Preconstruction  
**TO** SEE DISTRIBUTION

**SUBJECT** PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

**DISTRIBUTION:**

Walker Scott  
Bobby Mustin  
David Studstill (ATTN: Harvey Keepler)  
Jerry Hobbs  
Herman Griffin  
Marta Rosen (ATTN: Michael Henry)  
Marion Waters  
Toni Dunagan  
Paul Liles  
Jim Hitt (Traffic Ops)  
Don Mills  
Hugh Tyner

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF ENVIRONMENT/LOCATION

PROJECT CONCEPT REPORT  
EDS-441(43)  
OCONEE COUNTY  
P.I. NO. 122660

US Route No.: 441

Date of Report: June 10, 1997

State Route No.: 24

RECOMMENDATION FOR APPROVAL

7/10/97  
Date

*[Signature]*  
State Environmental/Location Engineer

\_\_\_\_\_  
Date

\_\_\_\_\_  
State Road & Airport Design Engineer

\_\_\_\_\_  
Date

\_\_\_\_\_  
State Traffic Operations Engineer

\_\_\_\_\_  
Date

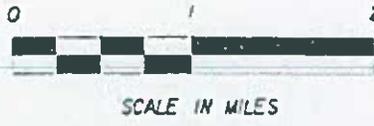
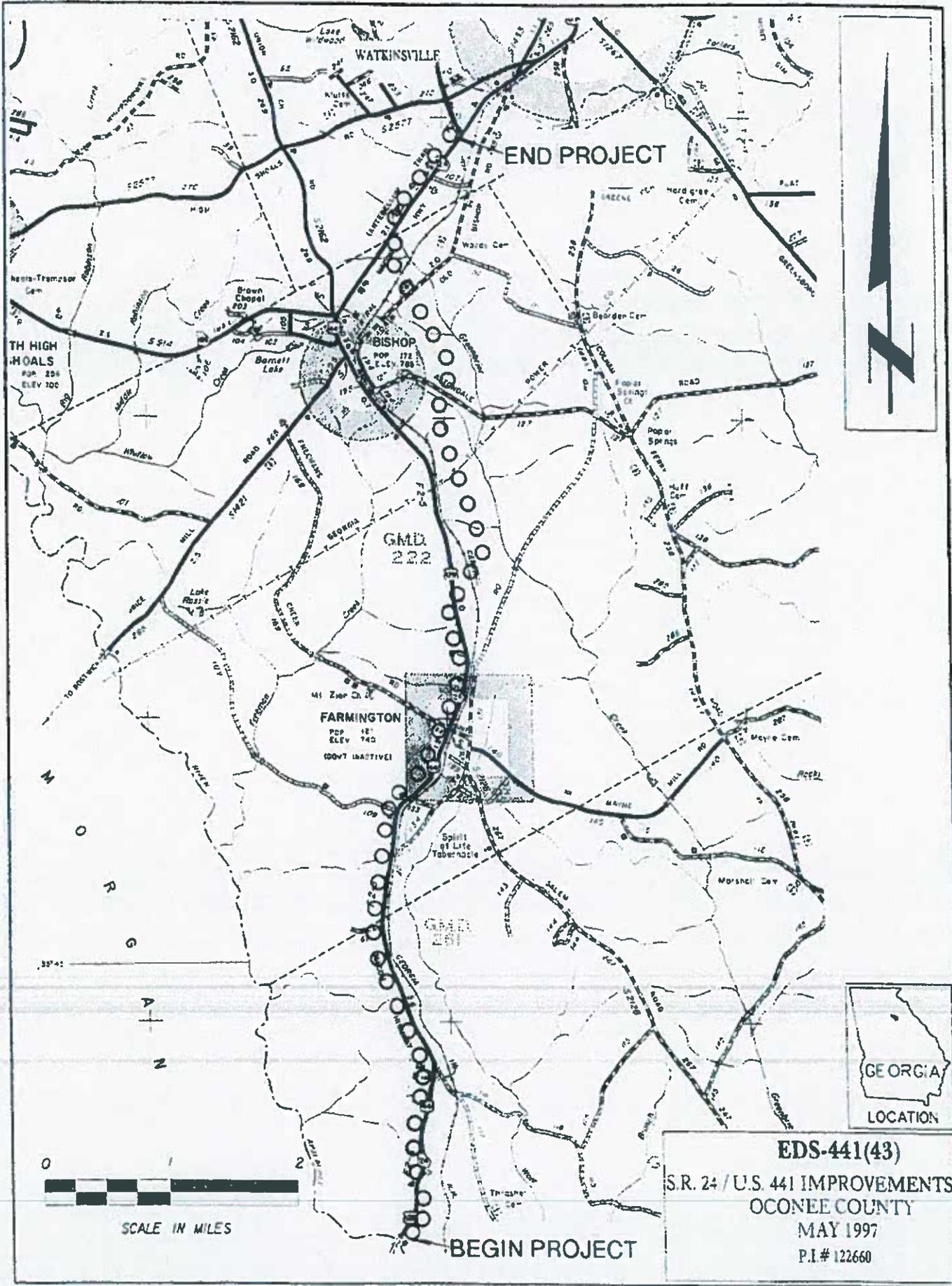
\_\_\_\_\_  
District Engineer/Gainesville

\_\_\_\_\_  
Date

\_\_\_\_\_  
Project Review Engineer

\_\_\_\_\_  
Date

\_\_\_\_\_  
State Bridge & Structural Design Engineer



**EDS-441(43)**  
 S.R. 24 / U.S. 41 IMPROVEMENTS  
 OCONEE COUNTY  
 MAY 1997  
 P.I.# 122660

WATKINSVILLE

END PROJECT

BISHOP  
 POP 172  
 ELEV 788

GMD  
 222

FARMINGTON  
 POP 181  
 ELEV 740  
 (GOVT INACTIVE)

GMD  
 281

TH HIGH  
 HOALS  
 POP 256  
 ELEV 700

M  
 O  
 R  
 G  
 A  
 N

BEGIN PROJECT

**PROJECT CONCEPT REPORT**

**PROJECT NUMBER:** EDS-441-(43) OCONEE COUNTY

**PROJECT LOCATION AND DESCRIPTION**

Project EDS-441(43) is the proposed improvement to the existing US441/SR24. This project proposes to widen the existing roadway from 2 and 3 lanes to 4 lanes with a 44' (13.6 m) grassed median. The project begins just north of Apalachee River (Morgan-Oconee county line) and extends north for 9 miles (14 km) to the Watkinsville BP. At its beginning, the concept widens to the right side of the road. Approximately 0.5 mile (0.8 km) north from the beginning of the project, the alignment shifts to the left, holding the existing pavement to the right, and holds this concept to approximately 0.5 mile (0.8 km) north of Tappan Spur Rd. (CR 116), where the project shifts to hold the existing R/W to the right side, to avoid Southern RR on the right side and two historic boundaries at CR 267 (Salem Rd.). The project keeps this concept to 3100' (0.9 km) north of CR 110 where the alignment shifts to the right side, off of the existing road to a new location to bypass the City of Bishop. The alignment ties back to the existing road widening to the left side, approximately 2960' (0.9 km) south of Watkinsville BP and holds this concept to the end of the project (Watkinsville BP).

TRAFFIC				
SECTION	CURRENT		PROJECTED	
	YEAR	AADT	YEAR	AADT
US 441 improvement	1999	6,700-12,800	2019	9,950-18,950
PDP CLASSIFICATION			FUNCTIONAL CLASSIFICATION	
MAJOR/EXISTING			RURAL ARTERIAL	
NON-CA ( )	CA ( )		EXEMPT ( )	N/A ( x )

**NEED AND PURPOSE**

US441/S.R. 24 is a primary north-south corridor in east Georgia. This proposed project involves the widening and reconstruction of S.R. 24 from just north of Apalachee River in Oconee County, to the southern terminus of the Watkinsville Bypass in Oconee County. The need and purpose of this project is twofold. First, the US441/S.R. 24 Improvements are part of the Governor's Road Improvement Program (GRIP). GRIP was initiated in the 1980's in order to address the importance of stimulating economic growth via an improved transportation network.

The second part of the need and purpose pertains to the highway capacity of S.R. 24. The roadway is reaching capacity and improvements will be required to maintain an acceptable level-of-service. The project will increase the capacity and level-of-service on US441/S.R. 24 by widening it from two lanes to four lanes. The Annual Average Daily Traffic (AADT), within the limits of EDS-441 (43), it will range between 6,700 to 12,800 in 1999. The 20 year (2019) projected volume ranges between 9,950 and 18,950 AADT. The Level of Service (LOS) for this section of S.R. 24 within the project limits was computed to be at "C" in 1994 which indicates that traffic flow may be susceptible to congestion and passing impediments. This road widening project will reduce traffic congestion and driver discomfort.

**EXISTING ROADWAY**

<b>TYPICAL SECTION:</b>	2 and 3 - 3.6 m LANES WITH OPEN DITCH DRAINAGE	<b>RIGHT-OF-WAY WIDTH</b> 24 m
<b>POSTED SPEED</b>	<b>MINIMUM RADIUS OF CURVE</b>	<b>MAX GRADE</b>
90 km/h	436 m	6.39%

**MAJOR STRUCTURES**

<b>FEATURES INTERSECTED/TYPE</b>	<b>LENGTH</b>	<b>WIDTH</b>	<b>PRIORITY RATING</b>	<b>SUFF. RATING</b>
NONE	-	-	-	-

**PROPOSED LENGTH OF PROJECT: 14 km**

**WIDENING EXISTING US 441  
TYPICAL SECTION: 4 LANES RURAL WITH 13.6 m MEDIAN**

DESIGN SPEED	MINIMUM RADIUS OF CURVE		MAX. GRADE	
105 km/h	ALLOWABLE	466 m	ALLOWABLE	4.00%
	PROPOSED	466 m	PROPOSED	4.00%

**NEW LOCATION**

**TYPICAL SECTION: 4 LANES RURAL WITH 13.6 m MEDIAN**

DESIGN SPEED	MINIMUM RADIUS OF CURVE		MAX. GRADE	
105 km/h	ALLOWABLE	466 m	ALLOWABLE	4.00%
	PROPOSED	466 m	PROPOSED	4.00%

**PROPOSED MAJOR STRUCTURES**

FEATURES INTERSECTED/TYPE	LENGTH	WIDTH
TWO PARALLEL BRIDGES OVER SOUTHERN RR SOUTH OF BISHOP BP	54 m	13 m
TWO PARALLEL BRIDGES OVER SOUTHERN RR NORTH OF BISHOP BP	54 m	13 m

**PROPOSED RIGHT-OF-WAY**

RIGHT-OF-WAY WIDTH	PARCELS IMPACTED	DISPLACEMENTS		
76 m	56	RES.: 12	BUS.: 1	M.H.: 6

**COORDINATION**

TYPE OF ACCESS CONTROL:	BY PERMIT.
CONCEPT TEAM MEETING DATE:	JUNE 20, 1996
PERMITS REQUIRED:	C.O.E. 404; APPROX. 2 AC OF WETLANDS AFFECTED.
LEVEL OF PUBLIC INVOLVEMENT:	PUBLIC HEARING
TIME SAVING PROCEDURES APPROPRIATE:	NO
OTHER PROJECTS IN THE AREA:	EDS-441(42)
OTHER MAJOR ENVIRONMENTAL CONCERNS:	NONE

MISCELLANEOUS

TRAFFIC CONTROL DURING CONSTRUCTION: TRAFFIC TO BE MAINTAINED ON EXISTING ROADS.  
 LEVEL OF ENVIRONMENTAL ANALYSIS: EA  
 UNDERGROUND STORAGE TANKS: ONE KNOWN UST RECEIVED ON 6/23/1997.  
 HAZARDOUS WASTE SITES: TWO POSSIBLE HAZARD WASTE RECEIVED ON 6/23/1997.

DESIGN VARIATIONS REQUESTED:

	YES	NO	UNDETERMINED
SUBST HORIZ ALIGNMENT	( )	( X )	( )
SUBST ROADWAY WIDTH	( )	( X )	( )
SUBST SHOULDER WIDTH	( )	( X )	( )
SUBST VERTICAL GRADES	( )	( X )	( )
SUBST CROSS SLOPES	( )	( X )	( )
SUBST STOPPING SIGHT DIST	( )	( X )	( )
SUBST SUPERELEV RATES	( )	( X )	( )
SUBST HORIZONTAL CLEARANCE	( )	( X )	( )
SUBST SPEED DESIGN	( )	( X )	( )
SUBST VERTICAL CLEARANCE	( )	( X )	( )
SUBST BRIDGE WIDTH	( )	( X )	( )
SUBST BR STRUCT CAPACITY	( )	( X )	( )

ALTERNATIVES CONSIDERED: NO BUILD

ESTIMATED COST

CONSTRUCTION:	\$15 870 000	RIGHT-OF-WAY:	\$3 664 000
E & C (10%):	\$1 587 000	ACQUIRED BY:	D.O.T.
INFLATION:	<u>\$1 790 000</u>	UTILITIES:	REQUESTED ON 6/11/97
( 2 yrs at 5% per yr)		ADJUSTED BY:	LGPA TO BE REQUESTED
<b>TOTAL CONST COST:</b>	<b>\$19 247 000</b>		

COMMENTS

1. TOTAL RECONSTRUCTION FOR THIS PROJECT IS 90%.
2. PROJECTS EDS-441(42) AND EDS-441(43) WILL BE WORKED TOGETHER FOR PERMIT AND ENVIRONMENTAL CONSIDERATIONS. THE P.A.R. MEETING WILL BE HELD ON FEBRUARY 1998, AND MAY CAUSES CHANGES TO THE CONCEPT.

ATTACHMENTS: COST ESTIMATE, TYPICAL SECTIONS, TEAM MEETING MINUTES  
 PREPARED BY: ROXANA ENE, L.E. I

**PRELIMINARY COST ESTIMATE**  
**OFFICE OF ENVIRONMENT/LOCATION**

**P.I. NO:** 122660

**DATE:** 03-04-1997

**PROJECT NO:** EDS-441(43)

**PROJECT NAME:** US441/SR24

**COUNTY:** OCONEE

**PROJECT DESCRIPTION:**

US441/SR24 IMPROVEMENTS FROM APALACHEE RIVER TO  
WATKINSVILLE BP

**PROJECT LENGTH:** 9.000 MILES

**SECTION LENGTH:** 4.600 MILES

**TYPICAL SECTION:**

RURAL NEW LOCATION-4-LANES WITH 44' DIV MEDIAN (48' PAV'T) EXISTING ROAD IN VERTICAL RECONSTRUCTION  
PROPOSED R / W = 250 ft

**EXISTING ROADWAY (If Applicable):**

2 AND 3 LANES WITH OPEN DITCH DRAINAGE

**TRAFFIC:**

**INITIAL DESIGN YEAR:** 2001

**DAILY VOLUME (AADT):** 12,800

**FINAL DESIGN YEAR:** 2021

**DAILY VOLUME (AADT):** 18,950

**COMMENTS:**

THE EXISTING ROAD IS IN VERTICAL RECONSTRUCTION

**PREPARED BY:** ROXANA ENE LEI

## PROJECT COSTS

### A. RIGHT - OF - WAY

1. PROPERTY (Land and Easements)	\$	0
2. DISPLACEMENTS	\$	0
3. OTHER COST	\$	0
SUBTOTAL \$		0

### B. REIMBURSABLE UTILITIES

1. RAILROAD	\$	0
2. TRANSMISSION LINES	\$	0
3. SERVICES	\$	0
SUBTOTAL \$		0

### C. MAJOR STRUCTURES

1. WALLS	\$	0
<hr/>		
2. BRIDGE STREAM CROSSING	\$	0
<hr/>		
3. BRIDGE OVER/UNDERPASS	\$	0
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4. BOX CULVERTS	\$	0
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SUBTOTAL \$		0

### D. GRADING AND DRAINAGE

#### 1. EARTHWORK

a. UNCLASSIFIED EXCAVATION SOIL	\$	377,000
260,000 CY @ \$1.45		
b. UNCLASSIFIED EXCAVATION ROCK	\$	104,000
26,000 CY @ \$4.00		
c. BORROW EXCAVATION	\$	0
0 CY @ \$3.00		

#### 2. DRAINAGE

a. MINOR DRAINAGE (including Cross Drain Pipes & Longitudinal System)	\$	378,000
4.600 MILES @ \$82,080		
b. CURB AND GUTTER	\$	0
0 LF @ \$9.27		
SUBTOTAL \$		859,000

## PROJECT COSTS

cont.

### E. BASE AND PAVING

1. GRADED AGGREGATE BASE	\$ 1,301,000
12.00" -- 104,924 T @ \$12.40	
2. ASPHALT PAVING	
a. ASPHALTIC CONCRETE "E"	\$ 450,000
1.50" -- 13,966 T @ \$32.22	
b. ASPHALTIC CONCRETE "B"	\$ 593,000
2.00" -- 18,621 T @ \$31.87	
c. ASPHALTIC CONCRETE BASE	\$ 1,379,000
6.00" -- 44,690 T @ \$30.85	
d. BITUMINOUS TACK COAT	\$ 15,000
17,344 G @ \$0.85	
3. CONCRETE PAVING	\$ 0
4. OTHER PAVING	\$ 374,000
SUBTOTAL	\$ 4,112,000

### F. LUMP ITEMS

1. TRAFFIC CONTROL	\$ 0
2. CLEARING AND GRUBBING	\$ 655,000
139 ACRES @ \$4,700	
3. LANDSCAPING	\$ 235,000
4.600 MILES @ \$51,000	
4. EROSION CONTROL	\$ 221,000
4.600 MILES @ \$48,000	
5. DETOURS (Including Temporary Bridges)	\$ 0
SUBTOTAL	\$ 1,111,000

### G. MISCELLANEOUS

1. SIGNING/STRIPING	\$ 170,000
4.600 MILES @ \$37,000	
2. GUARDRAIL	\$ 0
0 LF @ \$11.46 + 0 Anchors @ \$1,326.82	
3. OTHER	\$ 741,000
4.600 MILES @ \$161.100	
SUBTOTAL	\$ 911,000

H. SPECIAL FEATURES	\$ 0
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**ESTIMATE SUMMARY**

		SECTION COST (per mile)
A. RIGHT-OF-WAY	\$ 0	\$ 0
B. REIMBURSABLE UTILITIES	\$ 0	\$ 0

**CONSTRUCTION COST SUMMARY**

C. MAJOR STRUCTURES	\$ 0	
D. GRADING AND DRAINAGE	\$ 859,000	
E. BASE AND PAVING	\$ 4,112,000	
F. LUMP ITEMS	\$ 1,111,000	
G. MISCELLANEOUS	\$ 911,000	
H. SPECIAL FEATURES	<u>\$ 0</u>	
<b>SUBTOTAL CONSTRUCTION COST</b>	<b>\$ 6,993,000</b>	<b>\$ 1,520,000</b>
E. & C. (10%)	\$ 699,000	
<b>INFLATION 2 yr(s) @ 5% per year</b>	<b><u>\$ 789,000</u></b>	
<b>TOTAL CONSTRUCTION COST</b>	<b>\$ 8,481,000</b>	<b>\$ 1,844,000</b>
<hr/>		
<b>GRAND TOTAL CONSTRUCTION COST</b>	<b>\$ 8,481,000</b>	<b>\$ 1,844,000</b>

RURAL NEW LOCATION-4-LANES WITH 44' DIV MEDIAN (48' PAV'T)

**PRELIMINARY COST ESTIMATE**  
**OFFICE OF ENVIRONMENT/LOCATION**

P.I. NO: 122660

DATE: 03-04-1997

PROJECT NO: EDS-441(43)

PROJECT NAME: US441/SR24 IMPROVEMENTS

COUNTY: OCONEE

**PROJECT DESCRIPTION:**

US441/SR24 IMPROVEMENTS FROM APALACHEE RIVER TO  
WATKINSVILLE BP

PROJECT LENGTH: 9.000 MILES

SECTION LENGTH: 1.200 MILES

**TYPICAL SECTION:**

RURAL WIDENING-2 TO 4 LANES WITH 44' DIV MEDIAN (48' PAV'T)

PROPOSED R / W = 250 ft

**EXISTING ROADWAY (If Applicable):**

2 AND 3 LANES WITH OPEN DITCH DRAINAGE

**TRAFFIC:**

INITIAL DESIGN YEAR: 2001

DAILY VOLUME (AADT): 12,800

FINAL DESIGN YEAR: 2021

DAILY VOLUME (AADT): 18,950

**COMMENTS:**

PREPARED BY: ROXANA ENE LEI

**PROJECT COSTS**

**A. RIGHT - OF - WAY**

1. PROPERTY (Land and Easements)	\$	0
2. DISPLACEMENTS	\$	0
3. OTHER COST	\$	0
<b>SUBTOTAL</b>	<b>\$</b>	<b>0</b>

**B. REIMBURSABLE UTILITIES**

1. RAILROAD	\$	0
2. TRANSMISSION LINES	\$	0
3. SERVICES	\$	0
<b>SUBTOTAL</b>	<b>\$</b>	<b>0</b>

**C. MAJOR STRUCTURES**

1. WALLS	\$	0
<hr/>		
2. BRIDGE STREAM CROSSING	\$	0
<hr/>		
3. BRIDGE OVER/UNDERPASS	\$	0
<hr/>		
4. BOX CULVERTS	\$	0
<hr/>		
<b>SUBTOTAL</b>	<b>\$</b>	<b>0</b>

**D. GRADING AND DRAINAGE**

**1. EARTHWORK**

a. UNCLASSIFIED EXCAVATION SOIL	\$	85,000
48,000 CY @ \$1.78		
<hr/>		
b. UNCLASSIFIED EXCAVATION ROCK	\$	19,000
4,800 CY @ \$4.00		
<hr/>		
c. BORROW EXCAVATION	\$	0
0 CY @ \$3.00		
<hr/>		

**2. DRAINAGE**

a. MINOR DRAINAGE (Including Cross Drain Pipes & Longitudinal System)	\$	48,000
1.200 MILES @ \$39,960		
<hr/>		
b. CURB AND GUTTER	\$	0
0 LF @ \$9.27		
<hr/>		

**SUBTOTAL \$ 152,000**

## PROJECT COSTS

cont.

### E. BASE AND PAVING

<b>1. GRADED AGGREGATE BASE</b>	\$	<u>189,000</u>
12.00" -- 15.206 T @ \$12.40		
<b>2. ASPHALT PAVING</b>		
<b>a. ASPHALTIC CONCRETE "E"</b>	\$	<u>141,000</u>
1.50" -- 4.372 T @ \$32.22		
<b>b. ASPHALTIC CONCRETE "B"</b>	\$	<u>186,000</u>
2.00" -- 5.829 T @ \$31.87		
<b>c. ASPHALTIC CONCRETE BASE</b>	\$	<u>180,000</u>
6.00" -- 5.829 T @ \$30.85		
<b>d. BITUMINOUS TACK COAT</b>	\$	<u>3,000</u>
3.598 G @ \$0.85		
<b>3. CONCRETE PAVING</b>	\$	<u>0</u>
<b>4. OTHER PAVING</b>	\$	<u>70,000</u>
<b>SUBTOTAL</b>	<b>\$</b>	<b><u>769,000</u></b>

### F. LUMP ITEMS

<b>1. TRAFFIC CONTROL</b>	\$	<u>34,000</u>
<b>2. CLEARING AND GRUBBING</b>	\$	<u>171,000</u>
36 ACRES @ \$4,700		
<b>3. LANDSCAPING</b>	\$	<u>22,000</u>
1.200 MILES @ \$18,000		
<b>4. EROSION CONTROL</b>	\$	<u>29,000</u>
1.200 MILES @ \$24,000		
<b>5. DETOURS</b> (Including Temporary Bridges)	\$	<u>0</u>
<b>SUBTOTAL</b>	<b>\$</b>	<b><u>256,000</u></b>

### G. MISCELLANEOUS

<b>1. SIGNING/STRIPING</b>	\$	<u>36,000</u>
1.200 MILES @ \$30,000		
<b>2. GUARDRAIL</b>	\$	<u>0</u>
0 LF @ \$11.46 + 0 Anchors @ \$1,326.82		
<b>3. OTHER</b>	\$	<u>42,000</u>
1.200 MILES @ \$35,100		
<b>SUBTOTAL</b>	<b>\$</b>	<b><u>78,000</u></b>

### H. SPECIAL FEATURES

\$ 0

**ESTIMATE SUMMARY**

		<b>SECTION COST (per mile)</b>
<b>A. RIGHT-OF-WAY</b>	<b>\$ 0</b>	<b>\$ 0</b>
<b>B. REIMBURSABLE UTILITIES</b>	<b>\$ 0</b>	<b>\$ 0</b>

**CONSTRUCTION COST SUMMARY**

<b>C. MAJOR STRUCTURES</b>	<b>\$ 0</b>	
<b>D. GRADING AND DRAINAGE</b>	<b>\$ 152,000</b>	
<b>E. BASE AND PAVING</b>	<b>\$ 769,000</b>	
<b>F. LUMP ITEMS</b>	<b>\$ 256,000</b>	
<b>G. MISCELLANEOUS</b>	<b>\$ 78,000</b>	
<b>H. SPECIAL FEATURES</b>	<b>\$ 0</b>	
<b>SUBTOTAL CONSTRUCTION COST</b>	<b>\$ 1,255,000</b>	<b>\$ 1,046,000</b>
<b>E. &amp; C. (10%)</b>	<b>\$ 126,000</b>	
<b>INFLATION 2 yr(s) @ 5% per year</b>	<b>\$ 142,000</b>	
<b>TOTAL CONSTRUCTION COST</b>	<b>\$ 1,523,000</b>	<b>\$ 1,269,000</b>
<b>GRAND TOTAL CONSTRUCTION COST</b>	<b>\$ 1,523,000</b>	<b>\$ 1,269,000</b>

RURAL WIDENING-2 TO 4 LANES WITH 44' DIV MEDIAN (48' PAV'T)

**PRELIMINARY COST ESTIMATE**  
**OFFICE OF ENVIRONMENT/LOCATION**

**P.I. NO:** 122660

**DATE:** 06-10-1997

**PROJECT NO:** EDS-441(43)

**PROJECT NAME:** US441/SR24

**COUNTY:** OCONEE

**PROJECT DESCRIPTION:**

US441/SR24 IMPROVEMENTS FROM APALACHEE RIVER TO WATKINSVILLE BP

**PROJECT LENGTH:** 9.000 MILES

**SECTION LENGTH:** 3.200 MILES

**TYPICAL SECTION:**

RURAL NEW LOCATION-4-LANES WITH 44' DIV MEDIAN (48' PAV'T)

PROPOSED R / W = 250 ft

**EXISTING ROADWAY (If Applicable):**

2 AND 3 LANES WITH OPEN DITCH DRAINAGE

**TRAFFIC:**

**INITIAL DESIGN YEAR:** 2001

**DAILY VOLUME (AADT):** 12,800

**FINAL DESIGN YEAR:** 2021

**DAILY VOLUME (AADT):** 18,950

**COMMENTS:**

THIS COST ESTIMATES IS FOR BISHOP BP.

**PREPARED BY:** ROXANA ENE LEI

## PROJECT COSTS

### A. RIGHT - OF - WAY

1. PROPERTY (Land and Easements)	\$ _____	0
2. DISPLACEMENTS	\$ _____	0
3. OTHER COST	\$ _____	0
SUBTOTAL	\$ _____	0

### B. REIMBURSABLE UTILITIES

1. RAILROAD	\$ _____	0
2. TRANSMISSION LINES	\$ _____	0
3. SERVICES	\$ _____	0
SUBTOTAL	\$ _____	0

### C. MAJOR STRUCTURES

1. WALLS	\$ _____	0
<hr/>		
2. BRIDGE STREAM CROSSING	\$ _____	0
<hr/>		
3. BRIDGE OVER/UNDERPA TWO BRIDGES OVER SOUTHERN RR (BRIDGES TWICE THE RR)	\$ 1,935,360	
<hr/>		
4. BOX CULVERTS	\$ _____	0
<hr/>		
SUBTOTAL	\$ 1,935,000	

### D. GRADING AND DRAINAGE

#### 1. EARTHWORK

a. UNCLASSIFIED EXCAVATION SOIL 612,400 CY @ \$1.36	\$ 834,000	
<hr/>		
b. UNCLASSIFIED EXCAVATION ROCK 61,240 CY @ \$4.00	\$ 245,000	
<hr/>		
c. BORROW EXCAVATION 0 CY @ \$3.00	\$ 0	
<hr/>		

#### 2. DRAINAGE

a. MINOR DRAINAGE (Including Cross Drain Pipes & Longitudinal System) 3.200 MILES @ \$82,080	\$ 263,000	
<hr/>		
b. CURB AND GUTTER 0 LF @ \$9.27	\$ 0	
<hr/>		

SUBTOTAL \$ 1,342,000

**PROJECT COSTS**

con't.

**E. BASE AND PAVING**

<b>1. GRADED AGGREGATE BASE</b>	\$	<u>905,000</u>
12.00" -- 72,991 T @ \$12.40		
<b>2. ASPHALT PAVING</b>		
<b>a. ASPHALTIC CONCRETE "E"</b>	\$	<u>313,000</u>
1.50" -- 9,715 T @ \$32.22		
<b>b. ASPHALTIC CONCRETE "B"</b>	\$	<u>413,000</u>
2.00" -- 12,954 T @ \$31.87		
<b>c. ASPHALTIC CONCRETE BASE</b>	\$	<u>959,000</u>
6.00" -- 31,089 T @ \$30.85		
<b>d. BITUMINOUS TACK COAT</b>	\$	<u>10,000</u>
12,065 G @ \$0.85		
<b>3. CONCRETE PAVING</b>	\$	<u>0</u>
<b>4. OTHER PAVING</b>	\$	<u>260,000</u>
<b>SUBTOTAL</b>	<b>\$</b>	<b><u>2,860,000</u></b>

**F. LUMP ITEMS**

<b>1. TRAFFIC CONTROL</b>	\$	<u>20,000</u>
<b>2. CLEARING AND GRUBBING</b>	\$	<u>456,000</u>
97 ACRES @ \$4,700		
<b>3. LANDSCAPING</b>	\$	<u>163,000</u>
3.200 MILES @ \$51,000		
<b>4. EROSION CONTROL</b>	\$	<u>154,000</u>
3.200 MILES @ \$48,000		
<b>5. DETOURS</b> (Including Temporary Bridges)	\$	<u>0</u>
<b>SUBTOTAL</b>	<b>\$</b>	<b><u>793,000</u></b>

**G. MISCELLANEOUS**

<b>1. SIGNING/STRIPING</b>	\$	<u>118,000</u>
3.200 MILES @ \$37,000		
<b>2. GUARDRAIL</b>	\$	<u>58,000</u>
3.200 LF @ \$11.46 + 16 Anchors @ \$1,326.82		
<b>3. OTHER</b>	\$	<u>516,000</u>
3.200 MILES @ \$161,100		
<b>SUBTOTAL</b>	<b>\$</b>	<b><u>692,000</u></b>

**H. SPECIAL FEATURES**

\$ 0

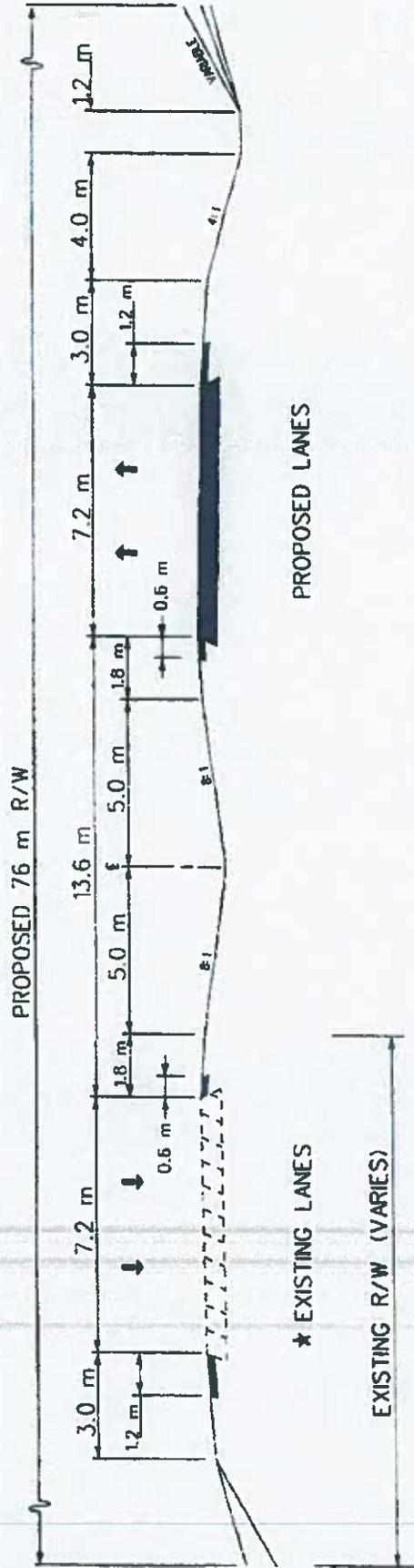
**ESTIMATE SUMMARY**

		SECTION COST (per mile)
A. RIGHT-OF-WAY	\$ 0	\$ 0
B. REIMBURSABLE UTILITIES	\$ 0	\$ 0

**CONSTRUCTION COST SUMMARY**

C. MAJOR STRUCTURES	\$ 1,935,000	
D. GRADING AND DRAINAGE	\$ 1,342,000	
E. BASE AND PAVING	\$ 2,860,000	
F. LUMP ITEMS	\$ 793,000	
G. MISCELLANEOUS	\$ 692,000	
H. SPECIAL FEATURES	\$ 0	
<b>SUBTOTAL CONSTRUCTION COST</b>	<b>\$ 7,622,000</b>	<b>\$ 2,382,000</b>
E. & C. (10%)	\$ 762,000	
<b>INFLATION - 2 yr(s) @ 5% per year</b>	<b>\$ 859,000</b>	
<b>TOTAL CONSTRUCTION COST</b>	<b>\$ 9,243,000</b>	<b>\$ 2,888,000</b>
<b>GRAND TOTAL CONSTRUCTION COST</b>	<b>\$ 9,243,000</b>	<b>\$ 2,888,000</b>

RURAL NEW LOCATION-4-LANES WITH 44' DIV MEDIAN (48' PAV'T)

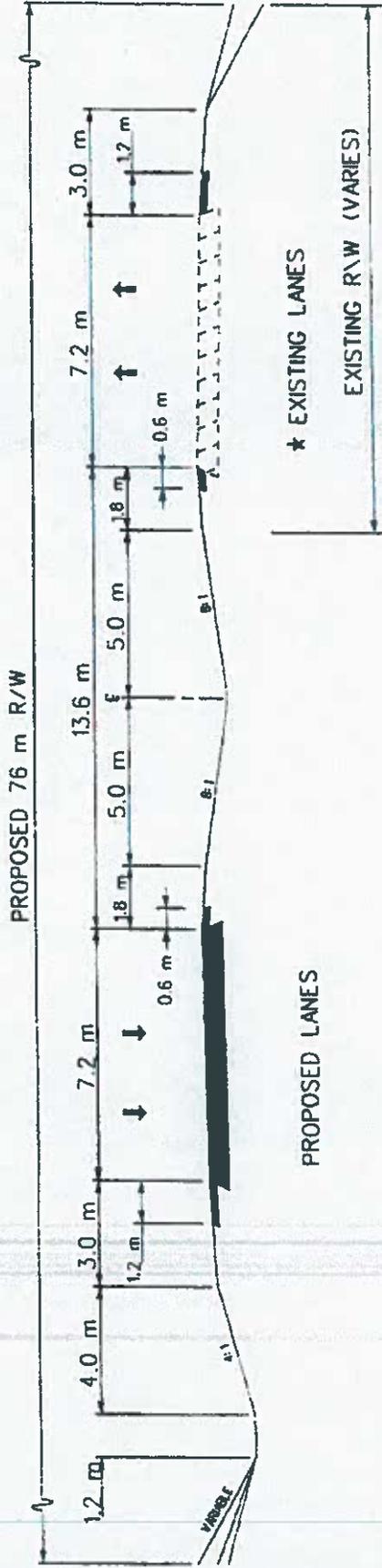


**TYPICAL CROSS SECTION  
IMPROVEMENTS TO U.S. 441  
EDS-441(43) OCONEE COUNTY**

**FROM THE BEGINNING OF PROJECT TO 0.8 km NORTH OF APALACHEE RIVER**

**NOT TO SCALE**

**NOTE: \* EXISTING PAVEMENT WILL BE REMOVED IF VERTICAL RECONSTRUCTION REQ'D.**

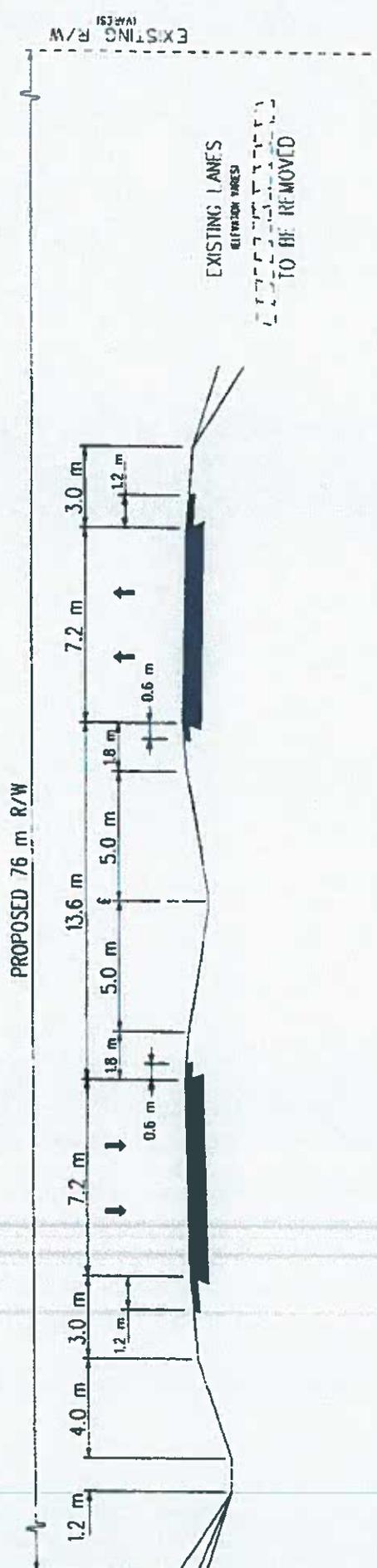


**TYPICAL CROSS SECTION  
IMPROVEMENTS TO U.S. 441  
EDS-441(43) OCONEE COUNTY**

**FROM 0.8 km NORTH OF APALACHEE RIVER TO 0.8 km NORTH OF TAPPAN SPUR RD.(CR116)  
FROM 0.9 km SOUTH OF WATKINSVILLE BYPASS TO THE END OF THE PROJECT**

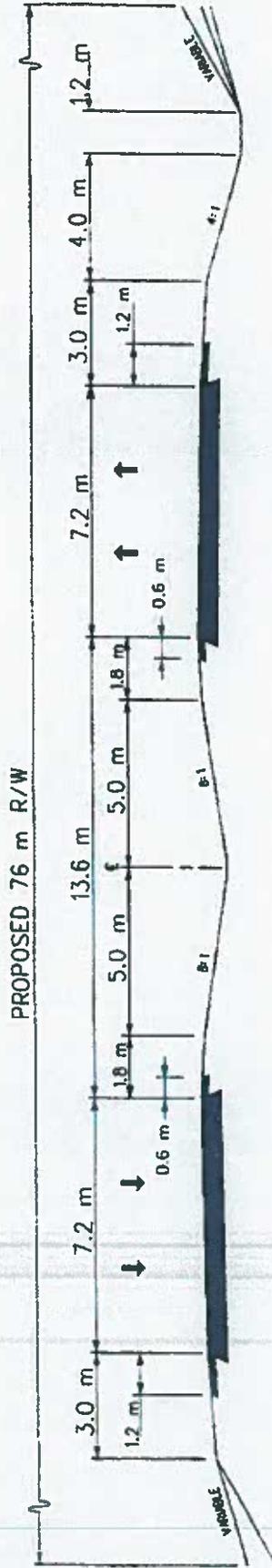
**NOT TO SCALE**

**NOTE: \* EXISTING PAVEMENT WILL BE REMOVED IF VERTICAL RECONSTRUCTION REQ'D.**



**TYPICAL CROSS SECTION**  
**IMPROVEMENTS TO U.S. 441**  
**EDS-441(43) OCONEE COUNTY**  
**FROM 0.8 km NORTH OF TAPPAN SPUR RD.(CR116)**  
**TO 0.9 km NORTH OF OLD FARMINGTON RD.(CR110)**

NOT TO SCALE



**TYPICAL CROSS SECTION  
IMPROVEMENTS TO U.S. 441  
EDS-441(43) OCONEE COUNTY**

**FROM 0.9 km NORTH OF OLD FARMINGTON RD.(CR110)  
TO 0.9 km SOUTH OF WATKINSVILLE BYPASS**

**NOT TO SCALE**

JAYNE, DAVID, JERRY  
JK

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
INTERDEPARTMENTAL CORRESPONDENCE

**FILE** EDS-441(40,45,44,42,43) Baldwin, Putnam, OFFICE Environment/Location  
Morgan, & Oconee County  
P.I. Numbers 222470, 222580, 222570,  
222560, & 122660

**DATE** June 24, 1996

**FROM** Roxana Ene, TE I, Location Engineer  
**TO** Distribution Below  
**SUBJECT** CONCEPT TEAM MEETING MINUTES - US441\SR24 Improvements

On Thursday, June 20, 1996, at 1:30 p.m., a Concept Team Meeting for the proposed US441\SR24 improvement projects in Baldwin, Putnam, Morgan, and Oconee Counties was held in the conference room at the Office of Environment/Location. Representing Georgia Power was Charles L. Chapman. Wendell Dawson and Peter Mallory represented Oconee Co. In attendance from the City of Bishop was Mayor Nedra Johnson. State Representative Frank E. Stancil was also in attendance. Mike Reynolds, Kevin Hosey, Robert Reid and Willie L. Webb from the Office of Road Design were present. Pat Astin-Hand represented the Office of Right-of-Way. The Office of Planning was represented by Cindy VanDyke. Reba P. Scott from the Office of Programming was present. Representing Traffic Operations was Ken Estes. Terry Allgood represented the Walton EMC. In attendance from AT&T were Steve Puckett, Gary Jenkins and Damien Wilson. From NEGRDC were Jennifer Fire, Ruth Lessh and Adriane Wood from the MGRDC. District 1 was represented by Laland Owens and District 2 by David Griffith, Phillip Scarborough and Deborah Pennington. Warren Beverly, Gerald Welsh, Roxana Ene, Ken Thompson and Terry Dentmon of the Office of Environment/Location also attended.

The meeting was opened by Gerry Welsh of Location. He gave a brief description of the projects, explaining that the meeting was being held to discuss improvements to US441\SR24. The concepts were then described in detail by Roxana Ene.

Project EDS-441(40) is the proposed improvement to the existing US441\SR24. This project proposes to widen the existing roadway from 2 lanes to 4 with a 44 feet grassed median. The project begins in Baldwin Co. and extends north 10.4 miles to US129(SR44). At its beginning, the project extends the existing 5 ln.section to just north off the first bridge, where the concept begins transitioning to the 44' median. The concept would hold the existing pavement left, widening the right side of the existing road. Approx. 1 mile north of Cay road (CR245) the proposed alignment changes to the left side of the road to avoid a cemetery on the right side. Approx. 2200' north of Twin Bridges Road (CR72) the proposed alignment changes to the right side to avoid two historic boundaries. The proposed alignment changes to the left side of the road 4000' north of CR246 (Woodland Acres Rd.) to avoid impacting an historic boundary on the right side. Approx. 1200 ft. south of Crest View Rd. (CR247) the proposed alignment shifts left on new location bridges the RR avoids an historic boundary on the left side.

the existing road on the right side 1500' south of US129(SR44). The project ends at the Eatonton Bypass.

Design speed is 65MPH (100kph), proposed ROW is 250' (80m). Access control would be by permit. Less than 1 ac. of possible wetlands would be impacted. Seven houses, 2 commercial structures and 5 mobile homes would be displaced.

Project EDS-441(45) is the proposed improvement to the existing US441/SR24. This project proposes to widen the existing roadway from 2 lanes to 4 with a 44 feet grassed median. The project begins at Reids Road in Putnam County and extends north 8.87 miles to the county line. At its beginning, the project holds the existing pavement left, widening the right side of the road. Approx. 1 mile north of CR177 the concept begins to hold the existing R/W left to avoid an historic boundary on the left and 1400' north of Bethel Circle Road (CR148) the proposed alignment changes to the left side of the road to avoid an historic boundary (just north of Harmony Dr. on the right side of the road) and to minimize displacements. Just north of this historic boundary the concept shifts to the east side because of another historic boundary on the left side of the existing road and to avoid a cemetery on the same side. The project ends at the Putnam/Morgan County line, where the next section (44) begins.

Design speed is 65MPH (100kph), the proposed R/W is 250' (80m) for 44 ft. median. Access control would be by permit. Less than 1 acre of possible wetlands would be impacted. Thirty houses, 7 mobile homes and 3 commercial structures would be displaced.

Project EDS-441(44) is the proposed improvement to the existing US441/SR24. This project proposes to widen the existing roadway from 2 lanes to 4 with a 44 feet grassed median. A 20 foot raised median would be used in some sections. The project begins at Putnam - Morgan County line and extends north 8.6 miles to Industrial Park Road (CR225). At its beginning, the project holds the existing pavement west, widening the east side to avoid a historic boundary on left. Approximately 1000' south from CR204(Hilltop Rd.) alignment changes on the left side to minimize displacements and to avoid "Tucker family graves," an old historic monument. Approx. 2200' south of Pierce Dairy Road (CR121) the concept begins transitioning to a 20' raised median and ties into the existing 5 lane section. The project ends at Industrial Park Road (CR225).

Design speed is 65MPH (100kph), the proposed R/W is 250' (80m) for 44 foot median and 150' (46m) for the 20' raised median section. Access control would be by permit. No wetlands are impacted. Six houses, 1 commercial structure and 2 mobile homes would be displaced.

Project EDS-441(42) is the proposed improvements to the existing US441/SR24. This project proposes to widen the existing roadway from 2 lanes to 4 with a 44 feet grassed median. The project begins at the Madison Bypass and extends north approx. 7.72 miles to just north of the Apalachee River (Morgan-Occonee county line). The concept begins with a 20' raised median and approx. 800' north, the project starts transitioning in a 44' grassed median and holds the left existing R/W to avoid four historic boundaries on the left side of the existing road. Just north of the four historic boundaries the concept holds the left existing pavement widening to the right side. The alignment shifts to the left side 2300' south of CR174 (V.F.W. Lane) and shifts back to the right side 1500' north of CR174 to minimize displacements. The concept would hold the right side to a point 1500' south of CR170 (Apalachee Rd.) where it would shift approximately 600' left

to avoid two historic boundaries and the Southern Railway. Approx. 1000' south of CR177 (Sidwell Road.), the project goes back to widen the right side of the existing road and this alignment to the end of the project just past the Apalachee River.

Design speed is 65MPH (100kph). The proposed R/W is 250' (80m) for 44 ft. median and 150' for 20' raised median. Access control would be by permit. Approx. 15.72 ac. of possible wetlands would be impacted. Nine houses, 1 commercial structure and 2 barns would be displaced.

Project EDS-441(43) is the proposed improvement to the existing US441/SR24. This project proposes to widen the existing roadway from 2 lanes to 4 with a 44 feet grassed median. The project begins just north of Apalachee River (Morgan/Oconee County line) and extends north for 9.47 miles. At its beginning, the concept would widen the east side of the road. Approx. 2500' north of the beginning of the project the alignment would shift left and hold this alignment to approx. 2000' north of CR116 (Tappan Spur Rd.) where the concept would change to hold the right side of the existing R/W to avoid the RR and historic boundaries at CR267 (Salem Rd.). Approx. 1700' north of CR110 (Old Farmington Rd.) the alignment would shift right to avoid an historic boundary on the left. The alignment would shift left 500' north of the historic boundary. Approximately 1300' south of CR127 (Astondale Rd.) the concept would shift 500' left to minimize impacts with the City of Bishop and the Southern Railway. Approx. 1500' north of CR265 (Price Mill Rd.) the alignment would go back to widen the existing road on the left and hold this alignment to the end of the project. (approx. 2000' north off CR107 - Thomas Farm Rd.)

Design speed is 65MPH (100kph). The proposed R/W is 250' (80m) for 44 ft. median. Access control would be by permit. Less than 1 ac. of possible wetlands would be impacted. Ten houses, 2 commercial structures and 4 trailers would be displaced.

After review and description of the concepts, those in attendance were asked for their questions and comments.

#### COMMENTS:

##### Local Officials

Chairman of Oconee Co. asked about the schedule for these projects and if there is any priority. Answered that the schedule is late 1999, depending of the funding, and there is no priority. The Chairman also mentioned an additional commercial site north of Bishop not shown on the photography, expensive to relocate.

The Mayor of Bishop asked to consider another alternative to bypass Bishop on the southeast side, where the railroad is abandoned. She also mentioned that the City of Bishop is historic as of 196 and she shown a map.

State Representative Stancil said that strongly supports the mayor and citizens of Bishop and the alternative they have requested. He does not feel the RR is usable. He also wanted the number of displacements for Bishop. Told him they are about twenty on the alignment as proposed. He asked about a through movement to the Madison BP. Told that would be handled by a different project, perhaps. Decision might depend upon traffic flow. We would discuss with management. Programming added that if it was decided that another project for this is needed, it should be put in the concept report.

## EAB

Not in attendance.

## Road Design

Asked about the 5 lane section at the beginning of EDS-441(40) and how far it would be taken: Discussion between Tenille District and road design revealed five lane section extends further than Location was aware (past the second bridge). It was decided that it would be better to begin the 44' median after the second bridge which has already been widened to 5 lanes.

Asked how many wet lands are on EDS-441(44). Told that on this unit there is no impact with wetlands. Road design asked if all upits are on bike route. Answered yes. They also asked about an historic boundary at Rock Eagle 4H camp. Location will look into this. RDC asked to check with historic preservation about the area at Rock Eagle.

## AT&T

No conflicts, but heavy presence in Bishop

## Traffic Operations

Asked how many bypasses we were connecting to. Answered that we would be connecting to three bypasses. They also asked if we had pulled back far enough to make grades work at intersection near Rock Eagle? Answered yes.

## District Offices

No comment.

## Federal Resource Agencies

Not in attendance.

## Engineering Services

Not in attendance.

## Georgia Power

They are heavily impacted on EDS-441(42) & (43). Asked if state would allow placement of relocated facilities on R\W. Road design felt that that would be the case.

## Materials and Research

Not in attendance.

## Maintenance

Not in attendance.

## Planning

Provided need and purpose statement. Explained GRIP and EDS.

## Programming

Commented that the high number of displacements called for a re-estimation of R\W costs. We said that the 250' of R\W we show to the public is "the worse case" and a R\W estimate will be requested as soon as we have a "firm" alignment.

**Railroad**

Not in attendance.

**Office of Utilities**

Not in attendance.

**Schedule**

Both projects scheduled to let to construction in late 1999.

**Conclusions**

Locals are enthusiastic about the projects and they asked do not let "Bishop situation" hold up projects.

RRE/re

Distribution: Wayne Hutto  
Ronald Collins/Attn: Warren Bailey  
Herman Griffin/Attn: Terry Rogers  
Jim Kennerly  
Toni Dunagan  
Marion Waters  
Bobby Mustin  
Dudley Ellis  
David Meshberger  
Larry Seabrook  
Bascombe Hughes  
Harvey Keepler  
Hugh Tyner/Gainesville District  
Charles Norris/Tenille District  
Luke Cousins

Department of Transportation  
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: EDS-441(43)/Oconee County  
P.I. No.: 122660

Office: Traffic Operations  
Atlanta, Georgia  
Date: July 31, 1997

RECEIVED  
PRECONSTRUCTION

From: *MGW PMA*  
M.G. Waters, III, P.E., State Traffic Operations Engineer  
To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review

We have reviewed the concept report on the above project for the U.S. 441/S.R. 24 widening. This project begins just north of the Apalachee River (Morgan-Oconee county line) and extends in a northerly direction 14 km(9 miles) to the Watkinsville Bypass. The existing typical is a two and three lane roadway, with a posted speed limit of 55mph. The proposed roadway will be of a four lane rural typical design with a 13.6 m(44ft.) grassed median. There will also be two parallel bridges constructed over Southern RR. south of the Bishop Bypass, as a part of this project. This roadway also has a bike route designation. We believe this concept will improve safety and operational capacity along this section of roadway.

We recommend the clear zone distance be checked for compliance at the 105 km/hr(65mph) design speed, especially for the ditch sections.

We request that two four inch conduit with innerduct, be installed within the limits of this project as part of this project. The conduit would be used for the future interconnection of the Advanced Transportation Management System components in this area. Our Traffic Operations Design Office can provide details and cost estimates for inclusion in the project.

With the recommended statements, we find this report satisfactory for approval.

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

RECEIVED  
JUL 31 1997  
PRECONSTRUCTION

**FILE** EDS-441(43) Oconee County  
P.I. No. 122660

**OFFICE** Atlanta, GA

**DATE** July 30, 1997

**FROM** *JAK* James A. Kennerly, State Road & Airport Design Engineer ~~MA~~

**TO** C. Wayne Hutto, Assistant Preconstruction Engineer

**SUBJECT** Review of Project Concept Report

This office has reviewed the Project Concept Report for the above project and approves subject to the following comments:

1. Project designation should be "S/F" (state funded) rather than N/A (see PDP page 8).
2. The new location section bypassing Bishop should be limited access in keeping with Department policy of buying access rights along new location roadways.
3. The typical sections should indicate the existing pavement crowned in the center, with overlay and leveling wiping out that crown since 90% of the project is being reconstructed. The typicals show the existing pavement with no crown.
4. No layouts were provided, so this review is on the report only, not the alignment or layout.

A signed cover sheet is provided for your use. If there are any questions, please contact Kevin Hosey at (404)657-9192.

*KDit*  
JAK:KDH  
Attachment

cc: David Studstill  
Hugh Tyner



DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF ENVIRONMENT/LOCATION

PROJECT CONCEPT REPORT  
EDS-441(43)  
OCONEE COUNTY  
P.I. NO. 122660

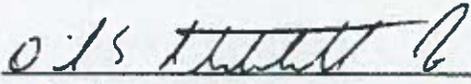
US Route No.: 441

Date of Report: June 10, 1997

State Route No.: 24

RECOMMENDATION FOR APPROVAL

7/10/97  
Date

  
State Environmental/Location Engineer

7/30/97  
Date

  
State Road & Airport Design Engineer

\_\_\_\_\_  
Date

\_\_\_\_\_  
State Traffic Operations Engineer

\_\_\_\_\_  
Date

\_\_\_\_\_  
District Engineer/Gainesville

\_\_\_\_\_  
Date

\_\_\_\_\_  
Project Review Engineer

\_\_\_\_\_  
Date

\_\_\_\_\_  
State Bridge & Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

RECEIVED  
SEP 10 1997  
PRECONSTRUCTION

**FILE** EDS 441 (43) Oconee County **OFFICE** Gainesville, GA  
P. I. NO. 122660 **DATE** September 2, 1997

**FROM**  Hugh L. Tyner, P. E., District Engineer

**TO** Wayne Hutto, Assistant Preconstruction Engineer

**SUBJECT** Concept Report

The above subject document dated June 10, 1997 has been reviewed and additional comments are:

1. Recommend right turn lanes at all cross overs.

A signed cover sheet is provided for your use. If there are any questions please contact Tony R. Bradley at (770) 532-5580.

HLT/LLO/TRB/dmr

Attachment

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF ENVIRONMENT/LOCATION

PROJECT CONCEPT REPORT  
EDS-441(43)  
OCONEE COUNTY  
P.I. NO. 122660

US Route No.: 441

Date of Report: June 10, 1997

State Route No.: 24

RECOMMENDATION FOR APPROVAL

7/10/97  
Date

*[Signature]*  
State Environmental/Location Engineer

\_\_\_\_\_  
Date

\_\_\_\_\_  
State Road & Airport Design Engineer

\_\_\_\_\_  
Date

\_\_\_\_\_  
State Traffic Operations Engineer

9-02-97  
Date

*[Signature]*  
District Engineer/Galnesville

\_\_\_\_\_  
Date

\_\_\_\_\_  
Project Review Engineer

\_\_\_\_\_  
Date

\_\_\_\_\_  
State Bridge & Structural Design Engineer

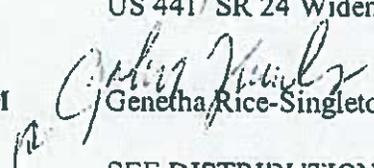


ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 122660, Oconee County **OFFICE** Preconstruction  
EDS-441(43)  
US 441/ SR 24 Widening **DATE** July 17, 2007

**FROM**  Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO** SEE DISTRIBUTION

**SUBJECT APPROVED REVISED 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  
Angela Alexander  
Russell McMurry  
Robert Mahoney  
BOARD MEMBER

Existing right-of-way along US 441/SR 24 varies between 80 feet & 250 feet. The proposed right-of-way would be 250 feet for the length of the project. The speed design would be 65 mph, and access would be by permit. The project length would be approximately 9.0 miles.

**PDP Classification:** Major/Construction on existing roadway.

Full Oversight ( )                      Exempt (X)                      SF ( )                      Other ( )

**Functional Classification:** Rural Principal Arterial

**U. S. Route Number(s):** 441 & 129

**State Route Number(s):** 24

**Traffic (AADT) as shown in the approved concept:**

Current Traffic		Design Traffic	
Year: 2001	ADT: 7,150-11,200	Year: 2021	ADT: 12,150-19,050

**Proposed Features to be revised:**

**Project Alignment:** The approved concept alignment for a portion of the project is proposed to be revised in order to avoid and minimize environmental and social impacts.

**Revised feature(s) to be approved:**

**Project Alignment:**

1. In order to avoid impacts to a roadside cemetery, the concept alignment is proposed to be revised from west side widening, holding existing pavement to west side widening, holding existing east side right-of-way from approximately 0.8 miles south of CR 116/Tappan Spur Road north to CR 116/Tappan Spur Road.
2. In order to reduce displacements and minimize impacts to a business, as well as improve horizontal geometry, the concept alignment is proposed to be revised from CR 116 Tappan Spur Road to CR 167/Leachmon Road. The approved west side widening, holding east side existing right-of-way would be revised to an alignment that would begin at CR 116/Tappan Spur Road with west side widening, holding east side existing right-of-way and transition to east side widening, holding existing west side right-of-way. The proposed revision would then immediately transition back to west side widening, holding east side existing right-of-way just south of CR 167/Leachmon Road.

3. In order to minimize impacts to resources eligible for the National Register of Historic Places, and minimize impacts to numerous eligible archeological resources, as well as streams and wetlands., the approved concept alignment is proposed to be revised from CR 109/Branch Road to just south of the projects' ending terminus at the beginning of the 4 lane typical section of the Watkinsville Bypass. At CR 109/Branch Road, the approved concept alignment of west side widening, holding east side existing right-of-way is proposed to be revised to new location west of Farmington in order to avoid impacting the Farmington Historic District as well as three eligible historic resources along CR169/Freeman Creek Road. The proposed revision would intersect CR 169/Freeman Creek Road approximately 1300 feet west of the existing US 441/CR 169 intersection, and would then proceed northeast, crossing existing US 441 at grade just north of the CR 110/Old Farmington Road access.

The approved concept would grade separate the closed Norfolk-Southern Rail line. This grade separation crossing is proposed to be revised to an at-grade crossing south of the approved location to minimize impacts to a recently expanded boundary for The Branch Farm, an eligible historic resource. The concept alignment is then proposed to be revised to transition to west side widening, holding the existing east side right-of-way of CR 110/Old Farmington Road for approximately 2600 feet to minimize impacts to the same Branch Farm resource boundary and Greenbrier Creek. The proposed revised alignment would then proceed northward on new location and parallel Greenbrier Creek to minimize impacts to eligible archeological resources, and would intersect CR 127/Astondale Road just east of Greenbrier Creek.

The proposed alignment revision would then continue northward onto new location and intersect CR 265/Old Bishop Road approximately 300 feet west of CR 111/Hardigree Bell Road to minimize impacts to wetlands and eligible archeological resources, and to avoid impacts to an eligible historic resource. The proposed alignment revision would then cross the privately owned Athens Line railroad at existing grade to minimize impacts to wetlands and streams, and would then transition back to existing US 441 as west side widening holding existing lanes just south of CR 107/Thomas Farm Road. The project would then proceed north as described in the approved concept description to the end of the project. The project length would be approximately 9.4 miles.

**Updated traffic data (AADT):**

Current Traffic		Design Traffic	
Year: <u>2008</u>	AADT: <u>11,350 - 12,400</u>	Year: <u>2028</u>	AADT: <u>20,400-22,200</u>

**Programmed/Schedule:**

PE: FY 2002 - 2003 R/W: LR Construction: LR

**Revised Cost Estimates:**

Construction cost including E&C:	\$ 45,308,000.00
Right-of-way:	\$ -9,928,200.00
Utilities:	\$ 441,000.00
<b>Total:</b>	<b>\$ 55,677,200.00</b>

*10/11/07 11:51 AM*

**NOTE:** The above costs do not include any inflation costs.

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

**Recommendation:** It is recommended that the proposed revisions to this concept be approved for implementation.

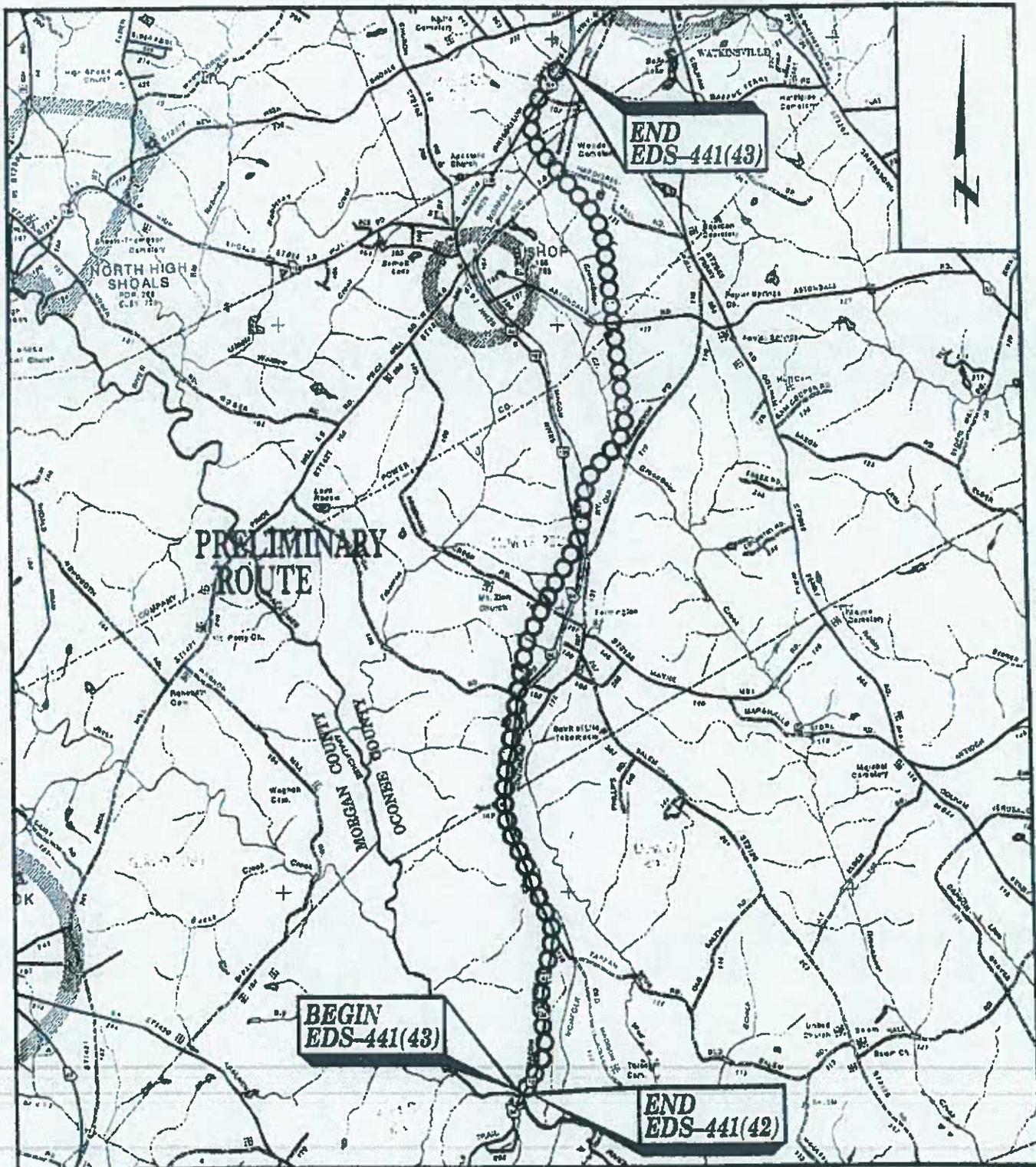
HDK/EKP

**Attachments:**

- Sketch Map
- Typical Sections
- Cost Estimates

Concur: \_\_\_\_\_  
Director of Preconstruction

Approve: \_\_\_\_\_  
Chief Engineer



SCALE IN MILES



LOCATION

**PROJECT LOCATION MAP**

EDS-441(43)

S.R. 24/U.S. 441 IMPROVEMENTS  
OCONEE COUNTY

P.I.# 122660

SOURCE: GENERAL HIGHWAY MAP MORGAN CO. GEORGIA  
PREPARED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION, 1962



# CONCEPT COST ESTIMATE

Office of Environment/Location

June 18, 2007 1:26 PM

County(s)

PI Number  Project Number

Project Name  Project Length  Miles

### Project Description

From just north of the Oconee River north as widening to CR 109/Branch Road. From CR 109/Branch Road north onto new location, bypassing Farmington and Bishop to just north of CR 107/Thomas Farm Road on to existing US 441.

### Existing Roadway

### Comments

### TRAFFIC:

Current Design Year  Daily Volume (AADT)

Future Design Year  Daily Volume (AADT)

Concept Estimate

Feasibility Estimate

### Typical Section(s) Used in Estimate

### Typical Section Length

<input type="text" value="Rural Widening: 2 To 4-Lanes with 44 ft Divided Median"/>	<input type="text" value="3.50"/> Miles
<input type="text" value="Rural New Location: 4-Lanes with 44 ft Divided Median"/>	<input type="text" value="5.50"/> Miles
<input type="text" value="Rural Widening: 2 To 4-Lanes with 44 ft Divided Median"/>	<input type="text" value="5.50"/> Miles
<input type="text"/>	<input type="text"/> Miles
<input type="text"/>	<input type="text"/> Miles
<input type="text"/>	<input type="text"/> Miles

Prepared By

**MAJOR STRUCTURES**

*Note! All distances are in feet*

**Bridges: Stream Crossings & Grade Separations**

NO	LOCATION	QTY	CROSSING TYPE	WIDTH	LENGTH	UNIT COST	TOTAL
1	Greenbrier Creek on new location	2	Stream-New	41.30	120.0	80.00	793,000
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

**Bridge Culverts**

NO	LOCATION	TYPE / W x H / FILL	LENGTH	UNIT COST	TOTAL
1					
2					
3					
4					
5					
6					
7					
8					

**Walls**

NO	LOCATION	TYPE	HEIGHT	LENGTH	UNIT COST	TOTAL
1						
2						
3						
4						
5						
6						

**MAJOR STRUCTURES SUBTOTAL** \$ 793,000

**Typical Section**

Rural Widening: 2 To 4-Lanes with 44 ft Divided Median

Typical Section Length  Miles

Right-of-Way Width  Feet

**GRADING AND DRAINAGE**

- 1. EARTHWORK
  - a. Unclassified Excavation Soil
  - b. Unclassified Excavation Rock
  - c. Borrow Excavation
- 2. MINOR DRAINAGE

QUANTITY	UNIT COST	TOTAL
77,710 CY	7.36	572,000
8,600 CY	15.00	129,000
3.50 MI	100,927	353,000
<b>GRADING AND DRAINAGE SUBTOTAL</b>		<b>\$1,054,000</b>

**BASE AND PAVING**

- 1. GRADED AGGREGATE BASE
- 2. ASPHALT PAVING
  - a. Asph Conc 9.5 mm Superpave
  - b. Asph Conc 19 mm Superpave
  - c. Asph Conc 25 mm Superpave
  - d. Bituminous Tack Coat
- 3. CONCRETE PAVING
  - a. Curb and Gutter
  - b. Miscellaneous
- 4. OTHER PAVING

THICKNESS and SPREAD RATE	QUANTITY	UNIT COST	TOTAL
10"	44,693 TN	24.69	1,103,000
1 1/2" (165 LB/SY)	10,539 TN	85.00	896,000
3" (330 LB/SY)	13,742 TN	90.00	1,237,000
4" (440 LB/SY)	16,032 TN	80.00	1,283,000
	10,723 GL	2.30	25,000
		LF	
	3.50 MI	28,410	99,000
			464,000
<b>BASE AND PAVING SUBTOTAL</b>			<b>\$5,107,000</b>

**LUMP ITEMS**

- 1. TRAFFIC CONTROL
- 2. CLEARING AND GRUBBING
- 3. EROSION CONTROL
- 4. SIGNING & MARKING
- 5. MISCELLANEOUS

QUANTITY	UNIT COST	TOTAL
3.50 MI	88,000	308,000
106.06 AC	25,000	2,652,000
3.50 MI	139,527	488,000
3.50 MI	17,594	62,000
3.50 MI	110,500	387,000
<b>LUMP ITEM SUBTOTAL</b>		<b>\$3,897,000</b>

**MISCELLANEOUS PROJECT ITEMS**

- 1. GUARDRAIL
- 2. GUARDRAIL ANCHORS
- 3. DETOURS
- 4. SPECIAL FEATURES

QUANTITY	UNIT COST	TOTAL
4,790 LF	19.95	96,000
20 EA	691.40	14,000
	MI	300,000
<b>MISCELLANEOUS SUBTOTAL</b>		<b>\$110,000</b>

**Typical Section**

Rural New Location: 4-Lanes with 44 ft Divided Median

Typical Section Length  Miles

Right-of-Way Width  Feet

**GRADING AND DRAINAGE**

**1. EARTHWORK**

- a. Unclassified Excavation Soil
- b. Unclassified Excavation Rock
- c. Borrow Excavation

QUANTITY	UNIT COST	TOTAL
1,124,900 CY	7.36	8,279,000
125,000 CY	15.00	1,875,000
	CY	
5.50 MI	100,927	555,100

**2. MINOR DRAINAGE**

**GRADING AND DRAINAGE SUBTOTAL \$10,709,000**

**BASE AND PAVING**

- 1. GRADED AGGREGATE BASE**
- 2. ASPHALT PAVING**
  - a. Asph Conc 9.5 mm Superpave
  - b. Asph Conc 19 mm Superpave
  - c. Asph Conc 25 mm Superpave
  - d. Bituminous Tack Coat
- 3. CONCRETE PAVING**
  - a. Curb and Gutter
  - b. Miscellaneous
- 4. OTHER PAVING**

THICKNESS and SPREAD RATE	QUANTITY	UNIT COST	TOTAL
10"	119,046 TN	24.69	2,939,000
1 1/2" (165 LB/SY)	17,303 TN	85.00	1,471,000
3" (330 LB/SY)	34,913 TN	90.00	3,142,000
4" (440 LB/SY)	43,063 TN	80.00	3,445,000
	25,344 GL	2.30	58,000
	5.50 MI	42,000	231,000

**BASE AND PAVING SUBTOTAL \$12,415,000**

**LUMP ITEMS**

- 1. TRAFFIC CONTROL**
- 2. CLEARING AND GRUBBING**
- 3. EROSION CONTROL**
- 4. SIGNING & MARKING**
- 5. MISCELLANEOUS**

QUANTITY	UNIT COST	TOTAL
5.50 MI	41,000	226,000
166.67 AC	25,000	4,167,000
5.50 MI	177,002	974,000
5.50 MI	19,321	106,000
5.50 MI	96,000	528,000

**LUMP ITEM SUBTOTAL \$6,001,000**

**Typical Section**

Rural Widening: 2 To 4-Lanes with 44 ft Divided Median

Typical Section Length  Miles

Right-of-Way Width  Feet

**GRADING AND DRAINAGE**

**1. EARTHWORK**

- a. Unclassified Excavation Soil
- b. Unclassified Excavation Rock
- c. Borrow Excavation

QUANTITY	UNIT COST	TOTAL
2,400 CY	7.36	18,000
270 CY	15.00	4,000
0.40 MI	100,927	40,000
<b>GRADING AND DRAINAGE SUBTOTAL</b>		<b>\$62,000</b>

**2. MINOR DRAINAGE**

**BASE AND PAVING**

**1. GRADED AGGREGATE BASE**

**2. ASPHALT PAVING**

- a. Asph Conc 9.5 mm Superpave
- b. Asph Conc 19 mm Superpave
- c. Asph Conc 25 mm Superpave
- d. Bituminous Tack Coat

THICKNESS and SPREAD RATE	QUANTITY	UNIT COST	TOTAL
10"	5,181 TN	24.69	128,000
1 1/2" (165 LB/SY)	1,258 TN	85.00	107,000
3" (330 LB/SY)	1,599 TN	90.00	144,000
4" (440 LB/SY)	1,857 TN	80.00	149,000
	1,254 GL	2.30	3,000
	0.40 MI	28,410	11,000
<b>BASE AND PAVING SUBTOTAL</b>			<b>\$596,000</b>

**3. CONCRETE PAVING**

- a. Curb and Gutter
- b. Miscellaneous

**4. OTHER PAVING**

**LUMP ITEMS**

- 1. TRAFFIC CONTROL
- 2. CLEARING AND GRUBBING
- 3. EROSION CONTROL
- 4. SIGNING & MARKING
- 5. MISCELLANEOUS

QUANTITY	UNIT COST	TOTAL
0.40 MI	88,000	35,000
12.12 AC	25,000	303,000
0.40 MI	139,527	56,000
0.40 MI	17,594	7,000
0.40 MI	110,500	44,000
<b>LUMP ITEM SUBTOTAL</b>		<b>\$445,000</b>



Activity Name	Activity ID	Planned Duration	Remaining Duration	Total Float	BL Project Start	BL Project Finish	Late Finish	Owner	Step Count	Notebook Topics
122660-SR 24/US 441 FMN OF APALACHEE R...		1,762.0d	1,762.0d	0.0d	30-Aug-13	28-Sep-20			83	
Project Summary	00000	1,762.0d	1,762.0d	0.0d	30-Aug-13	28-Sep-20				
Project Initialization		420.0d	420.0d	0.0d	30-Aug-13	11-May-15				
PE Funding Authorization	00100	0.0d	0.0d	0.0d	30-Aug-13	30-Aug-13	PROGRAMMING			
Project Justification	00500	10.0d	10.0d	10.0d	16-Oct-14	29-Oct-14	PLANNING			
Request and Receive Traffic Data Volumes	19212	120.0d	120.0d	10.0d	30-Oct-14	24-Apr-15	PROGRAM DELIVERY			
Procurement		140.0d	140.0d	0.0d	16-Oct-14	11-May-15				
Procurement Requisition Form Submitted by ...	19217	0.0d	0.0d	0.0d	16-Oct-14	16-Oct-14	PROGRAM DELIVERY			
Consultant Acquisition (request through notifi...	19222	140.0d	140.0d	0.0d	16-Oct-14	11-May-15	PROGRAM DELIVERY			
Notice to Proceed (NTP) for Consultant Cont...	19229	0.0d	0.0d	0.0d	11-May-15	11-May-15	PROGRAM DELIVERY			
Concept Development		421.0d	421.0d	0.0d	12-May-15	20-Jan-17			4	
Concept Development Summary	00200	421.0d	421.0d	0.0d	12-May-15	20-Jan-17				
Initial Concept Meeting	00750	1.0d	1.0d	4.0d	27-May-15	27-May-15	PROGRAM DELIVERY			
Concept Meeting	02600	1.0d	1.0d	0.0d	24-Oct-16	24-Oct-16	PROGRAM DELIVERY			
PM Reviews Concept Report	02722	10.0d	10.0d	0.0d	25-Oct-16	07-Nov-16				
PM Submit Concept Report	02800	0.0d	0.0d	0.0d	08-Nov-16	08-Nov-16	PROGRAM DELIVERY			
Concept Report Review and Comments	02900	47.0d	47.0d	0.0d	08-Nov-16	20-Jan-17	DESIGN POLICY & S...			
Management Concept Approval Complete	03000	0.0d	0.0d	0.0d	20-Jan-17	20-Jan-17	DESIGN POLICY & S...			
Local and Consultant Design for Concept		205.0d	205.0d	158.0d	12-May-15	08-Mar-16				
Define Project Concept	00300	120.0d	120.0d	0.0d	12-May-15	30-Oct-15	ROADWAY DESIGN			
Receive Environmental Resource Boundaries (...)	02439	0.0d	0.0d	0.0d	01-Mar-16	01-Mar-16	PROGRAM DELIVERY			
Review Local/Consultant Draft Concept for C...	02450	5.0d	5.0d	158.0d	02-Mar-16	08-Mar-16	PROGRAM DELIVERY			
PAR Activities		163.0d	163.0d	0.0d	02-Mar-16	21-Oct-16			4	
PAR Summary	01700	163.0d	163.0d	0.0d	02-Mar-16	21-Oct-16				
Initial PAR Layout	01712	5.0d	5.0d	0.0d	02-Mar-16	08-Mar-16	ROADWAY DESIGN			
Pre-Concept Meeting for PAR	01800	1.0d	1.0d	0.0d	09-Mar-16	09-Mar-16	ROADWAY DESIGN			
1st Concept Layout Revisions for PAR	01900	5.0d	5.0d	0.0d	10-Mar-16	16-Mar-16	ROADWAY DESIGN			
Practical Alternative Report Development (wi...	02000	85.0d	85.0d	0.0d	17-Mar-16	18-Jul-16	ROADWAY DESIGN		4	
Site Meeting with Resource Agencies for PAR	02100	2.0d	2.0d	0.0d	19-Jul-16	20-Jul-16	ROADWAY DESIGN			
PAR Revisions	02200	60.0d	60.0d	0.0d	21-Jul-16	14-Oct-16	ROADWAY DESIGN			
2nd Concept Layout Revisions for PAR	02300	5.0d	5.0d	0.0d	17-Oct-16	21-Oct-16	ROADWAY DESIGN			

Activity Name	Activity ID	Planned Duration	Remaining Duration	Total Float	BL Project Start	BL Project Finish	Late Finish	Owner	Step Count	Notebook Topics	2014
<b>VE Study</b>		<b>134.0d</b>	<b>134.0d</b>	<b>199.0d</b>	<b>24-Jun-15</b>	<b>08-Jan-16</b>					
◆ PM Request VE Study	07950	0.0d	0.0d	199.0d	24-Jun-15	24-Jun-15	PROGRAM DELIVERY				
VE Study Summary	08000	134.0d	134.0d	199.0d	24-Jun-15	08-Jan-16					
VE Study Request (OES)	08100	5.0d	5.0d	199.0d	24-Jun-15	30-Jun-15	ENGINEERING SERVI...				
VE Study Preparation	08200	60.0d	60.0d	199.0d	01-Jul-15	24-Sep-15	ENGINEERING SERVI...				
VE Study	08300	4.0d	4.0d	199.0d	25-Sep-15	30-Sep-15	ENGINEERING SERVI...				
VE Report Preparation	08400	10.0d	10.0d	199.0d	01-Oct-15	15-Oct-15	ENGINEERING SERVI...				
VE Report Presentation to Implementation Team	08500	30.0d	30.0d	199.0d	16-Oct-15	01-Dec-15	ENGINEERING SERVI...				
Implementation Team Recommendations Appro...	08600	25.0d	25.0d	199.0d	02-Dec-15	08-Jan-16	ENGINEERING SERVI...				
<b>Database Preparation</b>		<b>336.0d</b>	<b>336.0d</b>	<b>215.0d</b>	<b>30-Oct-14</b>	<b>09-Mar-16</b>					
Database Summary	20000	336.0d	336.0d	215.0d	30-Oct-14	09-Mar-16					
◆ Start Database Preparation	20050	0.0d	0.0d	215.0d	30-Oct-14	30-Oct-14	DESIGN POLICY & S...				
◆ Database Complete	20650	0.0d	0.0d	215.0d	09-Mar-16	09-Mar-16	DESIGN POLICY & S...				
<b>Mapping</b>		<b>145.0d</b>	<b>145.0d</b>	<b>215.0d</b>	<b>30-Oct-14</b>	<b>02-Jun-15</b>					
Mapping Photography	20100	5.0d	5.0d	215.0d	30-Oct-14	05-Nov-14	DESIGN POLICY & S...				
Control Surveys	20200	60.0d	60.0d	215.0d	06-Nov-14	06-Feb-15	DESIGN POLICY & S...				
Mapping	20300	80.0d	80.0d	215.0d	09-Feb-15	02-Jun-15	DESIGN POLICY & S...				
<b>Field Surveys</b>		<b>191.0d</b>	<b>191.0d</b>	<b>215.0d</b>	<b>03-Jun-15</b>	<b>09-Mar-16</b>					
Pre-Survey Field Meeting	20400	1.0d	1.0d	215.0d	03-Jun-15	03-Jun-15	DISTRICT OFFICE				
Field Survey Summary	20450	191.0d	191.0d	215.0d	03-Jun-15	09-Mar-16					
Field Surveys	20500	120.0d	120.0d	215.0d	04-Jun-15	24-Nov-15	DISTRICT OFFICE				
SDE Process Work	20600	60.0d	60.0d	215.0d	25-Nov-15	24-Feb-16	DISTRICT OFFICE				
Review Local/Consultant Field Surveys	20625	10.0d	10.0d	215.0d	25-Feb-16	09-Mar-16	DESIGN POLICY & S...				
<b>UST and Hazardous Waste</b>		<b>95.0d</b>	<b>95.0d</b>	<b>677.0d</b>	<b>23-Jan-17</b>	<b>06-Jun-17</b>					
UST and HW Summary	27800	95.0d	95.0d	677.0d	23-Jan-17	06-Jun-17					
Request/Receive UST/Hazardous Waste Report	27900	95.0d	95.0d	285.0d	23-Jan-17	06-Jun-17	PROGRAM DELIVERY				
<b>Underground Storage Tanks</b>		<b>95.0d</b>	<b>95.0d</b>	<b>677.0d</b>	<b>23-Jan-17</b>	<b>06-Jun-17</b>					
UST Summary	28000	95.0d	95.0d	677.0d	23-Jan-17	06-Jun-17					
District UST Field Investigation	28100	5.0d	5.0d	677.0d	23-Jan-17	27-Jan-17	MATERIALS OFFICE				
Environmental UST Report	28250	90.0d	90.0d	677.0d	30-Jan-17	06-Jun-17	MATERIALS OFFICE				
<b>Hazardous Waste</b>		<b>95.0d</b>	<b>95.0d</b>	<b>677.0d</b>	<b>23-Jan-17</b>	<b>06-Jun-17</b>					

Activity Name	Activity ID	Planned Duration	Remaining Duration	Total Float	BL Project Start	BL Project Finish	Late Finish	Owner	Step Count	Notebook Topics	2014
HW Summary	29000	95.0d	95.0d	677.0d	23-Jan-17	06-Jun-17					
District HW Field Investigation	29100	5.0d	5.0d	677.0d	23-Jan-17	27-Jan-17	MATERIALS OFFICE				
Environmental HW Report	29250	90.0d	90.0d	677.0d	30-Jan-17	06-Jun-17	MATERIALS OFFICE				
<b>Soil Survey</b>		<b>185.0d</b>	<b>185.0d</b>	<b>471.0d</b>	<b>02-May-17</b>	<b>30-Jan-18</b>					
Soil Survey Summary	80100	185.0d	185.0d	471.0d	02-May-17	30-Jan-18					
◆ Request Soil Survey/Ex Pymt Eval	80200	0.0d	0.0d	471.0d	02-May-17	02-May-17	PROGRAM DELIVERY				
Soil Survey Report Preparation	80600	180.0d	180.0d	471.0d	09-May-17	30-Jan-18	MATERIALS OFFICE				
Review Local/Consultant Soil Survey	80650	40.0d	40.0d	471.0d	30-Nov-17	30-Jan-18	MATERIALS OFFICE				
<b>Preliminary Plans Phase</b>		<b>411.0d</b>	<b>411.0d</b>	<b>0.0d</b>	<b>23-Jan-17</b>	<b>11-Sep-18</b>					
Preliminary Plans Phase Summary	20700	411.0d	411.0d	0.0d	23-Jan-17	11-Sep-18					
Request/Receive Utilities First Submission/SUE ...	20900	60.0d	60.0d	290.0d	06-Feb-17	01-May-17	PROGRAM DELIVERY				
Request/Receive Preliminary Lighting Plans	20940	20.0d	20.0d	270.0d	02-May-17	30-May-17	PROGRAM DELIVERY				
<b>Local and Consultant Design Activites for P...</b>		<b>220.0d</b>	<b>220.0d</b>	<b>140.0d</b>	<b>23-Jan-17</b>	<b>06-Dec-17</b>					
Preliminary Roadway Plans (consultant design)	20800	140.0d	140.0d	0.0d	23-Jan-17	09-Aug-17	PROGRAM DELIVERY				
Request/Receive Constructability Review	21550	20.0d	20.0d	270.0d	02-May-17	30-May-17	PROGRAM DELIVERY				
◆ Submit Preliminary Plans to GDOT Offices (c...	23697	0.0d	0.0d	0.0d	20-Mar-17	20-Mar-17	PROGRAM DELIVERY				
Review Local/Consultant Preliminary Plans	24500	20.0d	20.0d	200.0d	10-Aug-17	07-Sep-17	PROGRAM DELIVERY				
◆ Preliminary Plans Complete	25000	0.0d	0.0d	140.0d	06-Dec-17	06-Dec-17	PROGRAM DELIVERY				
Pavement Design Preparation, Review and Ap...	81600	23.0d	23.0d	337.0d	23-Jan-17	22-Feb-17	MATERIALS OFFICE				
<b>Preliminary Bridge Design</b>		<b>150.0d</b>	<b>150.0d</b>	<b>140.0d</b>	<b>02-May-17</b>	<b>06-Dec-17</b>					
Preliminary Bridge Design Summary	22000	150.0d	150.0d	140.0d	02-May-17	06-Dec-17					
Request Preliminary Bridge Layout	22100	0.0d	0.0d	140.0d	02-May-17	02-May-17	PROGRAM DELIVERY				
Bridge Hydraulic Study and Layout Develop...	22300	120.0d	120.0d	140.0d	02-May-17	20-Oct-17	BRIDGE DESIGN				
Review Local/Consultant Preliminary Bridge P...	22350	30.0d	30.0d	140.0d	23-Oct-17	06-Dec-17	BRIDGE DESIGN				
◆ Bridge Layout Complete	22400	0.0d	0.0d	140.0d	06-Dec-17	06-Dec-17	BRIDGE DESIGN				
<b>PFPR</b>		<b>51.0d</b>	<b>51.0d</b>	<b>0.0d</b>	<b>29-Jun-18</b>	<b>11-Sep-18</b>					
◆ PM Request PFPR	39500	0.0d	0.0d	0.0d	29-Jun-18	29-Jun-18	PROGRAM DELIVERY				
PFPR Summary	40000	51.0d	51.0d	0.0d	29-Jun-18	11-Sep-18					
PFPR Request (OES)	40100	20.0d	20.0d	0.0d	29-Jun-18	27-Jul-18	ENGINEERING SERVI...				
PFPR Inspection	40200	1.0d	1.0d	0.0d	30-Jul-18	30-Jul-18	ENGINEERING SERVI...				
PFPR Report Preparation	40300	5.0d	5.0d	0.0d	31-Jul-18	06-Aug-18	ENGINEERING SERVI...				

Activity Name	Activity ID	Planned Duration	Remaining Duration	Total Float	BL Project Start	BL Project Finish	Late Finish	Owner	Step Count	Notebook Topics	2014
PFPR Report Approval and Distribution	40400	0.0d	0.0d	0.0d	07-Aug-18	07-Aug-18	ENGINEERING SERVL...				
PM Submits PFPR Responses to OES	40450	20.0d	20.0d	0.0d	07-Aug-18	04-Sep-18	PROGRAM DELIVERY				
Verify PFPR Responses	40500	5.0d	5.0d	0.0d	05-Sep-18	11-Sep-18	ENGINEERING SERVL...				
PM Distributes PFPR Responses	40550	0.0d	0.0d	0.0d	11-Sep-18	11-Sep-18	PROGRAM DELIVERY				
<b>BFIReport</b>		<b>185.0d</b>	<b>185.0d</b>	<b>156.0d</b>	<b>07-Dec-17</b>	<b>31-Aug-18</b>					
BFI Report Summary	80700	185.0d	185.0d	156.0d	07-Dec-17	31-Aug-18					
Request BFI	80800	0.0d	0.0d	156.0d	07-Dec-17	07-Dec-17	PROGRAM DELIVERY				
BFI Report Preparation	81200	180.0d	180.0d	156.0d	14-Dec-17	31-Aug-18	MATERIALS OFFICE				
Review Local/Consultant BFI	81250	40.0d	40.0d	156.0d	09-Jul-18	31-Aug-18	MATERIALS OFFICE				
<b>Environmental</b>		<b>1,267.0d</b>	<b>1,267.0d</b>	<b>0.0d</b>	<b>03-Jun-15</b>	<b>02-Jul-20</b>				<b>79</b>	
Environmental Document Approval Summary (...)	10000	967.0d	967.0d	0.0d	03-Jun-15	19-Apr-19					
Environmental Approval Complete	18100	0.0d	0.0d	0.0d	19-Apr-19	19-Apr-19	ENVIRONMENTAL S...				
<b>PIOH</b>		<b>120.0d</b>	<b>120.0d</b>	<b>441.0d</b>	<b>23-Jan-17</b>	<b>12-Jul-17</b>				<b>6</b>	
PIOH Summary	09000	120.0d	120.0d	441.0d	23-Jan-17	12-Jul-17					
Request Public Information Open House (PIO...)	09025	0.0d	0.0d	441.0d	23-Jan-17	23-Jan-17	PROGRAM DELIVERY				
Environmental Preparation for PIOH (with ste...	09032	70.0d	70.0d	441.0d	23-Jan-17	01-May-17	ENVIRONMENTAL S...			3	
Property Research for PIOH	09050	5.0d	5.0d	481.0d	23-Jan-17	27-Jan-17	RIGHT OF WAY				
Public Information Open House Advertisemen...	09100	60.0d	60.0d	441.0d	20-Mar-17	13-Jun-17	DISTRICT OFFICE			3	
Public Information Open House Held	09300	0.0d	0.0d	441.0d	14-Jun-17	14-Jun-17	ENVIRONMENTAL S...				
Respond to PIOH Comments	09312	20.0d	20.0d	441.0d	14-Jun-17	12-Jul-17	ENVIRONMENTAL S...				
<b>Environmental Resource Identification</b>		<b>185.0d</b>	<b>185.0d</b>	<b>0.0d</b>	<b>03-Jun-15</b>	<b>01-Mar-16</b>				<b>21</b>	
Environmental Resource Identification Summary	11411	185.0d	185.0d	0.0d	03-Jun-15	01-Mar-16					
Receive Environmental Study Area Layout / S...	11412	5.0d	5.0d	0.0d	03-Jun-15	09-Jun-15	ENVIRONMENTAL S...				
Environmental Resource Identification Compl...	11499	0.0d	0.0d	0.0d	01-Mar-16	01-Mar-16	ENVIRONMENTAL S...				
<b>Ecological Survey</b>		<b>180.0d</b>	<b>180.0d</b>	<b>0.0d</b>	<b>10-Jun-15</b>	<b>01-Mar-16</b>				<b>6</b>	
Conduct Ecology Survey (with steps)	11413	120.0d	120.0d	0.0d	10-Jun-15	02-Dec-15	ENVIRONMENTAL S...			6	
Conduct Ecology Survey for Seasonal Species	11414	60.0d	60.0d	0.0d	10-Jun-15	02-Sep-15	ENVIRONMENTAL S...				
Conduct Ecology Survey for 2nd Seasonal S...	11424	60.0d	60.0d	0.0d	03-Sep-15	02-Dec-15	ENVIRONMENTAL S...				
Conduct Ecology Survey for 3rd Seasonal S...	11434	60.0d	60.0d	0.0d	03-Dec-15	01-Mar-16	ENVIRONMENTAL S...				
<b>History Survey</b>		<b>120.0d</b>	<b>120.0d</b>	<b>60.0d</b>	<b>10-Jun-15</b>	<b>02-Dec-15</b>				<b>7</b>	
Conduct History Survey (with steps)	11453	120.0d	120.0d	60.0d	10-Jun-15	02-Dec-15	ENVIRONMENTAL S...			7	

Activity Name	Activity ID	Planned Duration	Remaining Duration	Total Float	BL Project Start	BL Project Finish	Late Finish	Owner	Step Count	Notebook Topics	2014
[-]  Archaeological Survey		<b>120.0d</b>	<b>120.0d</b>	<b>60.0d</b>	<b>10-Jun-15</b>	<b>02-Dec-15</b>			<b>8</b>		
[-]  Conduct Archaeological Survey (with steps)	11463	120.0d	120.0d	60.0d	10-Jun-15	02-Dec-15	ENVIRONMENTAL S...		8		
[-] <b>Receive Local/Consultant Environmental ...</b>		<b>0.0d</b>	<b>0.0d</b>	<b>0.0d</b>	<b>02-Oct-15</b>	<b>02-Oct-15</b>					
◆ <b>Receive Local/Consultant Ecology Survey</b>	11447	0.0d	0.0d	0.0d	02-Oct-15	02-Oct-15	ENVIRONMENTAL S...				
◆ <b>Receive Local/Consultant History Survey</b>	11457	0.0d	0.0d	0.0d	02-Oct-15	02-Oct-15	ENVIRONMENTAL S...				
◆ <b>Receive Local/Consultant Archaeology Survey</b>	11467	0.0d	0.0d	0.0d	02-Oct-15	02-Oct-15	ENVIRONMENTAL S...				
[-] <b>Technical Studies</b>		<b>210.0d</b>	<b>210.0d</b>	<b>0.0d</b>	<b>20-Mar-17</b>	<b>23-Jan-18</b>			<b>21</b>		
<b>Technical Studies Summary</b>	13411	210.0d	210.0d	0.0d	20-Mar-17	23-Jan-18					
◆ <b>Receive Preliminary Plans to Begin Technical ...</b>	13417	0.0d	0.0d	0.0d	20-Mar-17	20-Mar-17	ENVIRONMENTAL S...				
◆ <b>Environmental Technical Studies Complete</b>	13499	0.0d	0.0d	0.0d	23-Jan-18	23-Jan-18	ENVIRONMENTAL S...				
[-] <b>Cultural Resource Assessment of Effects (...)</b>		<b>210.0d</b>	<b>210.0d</b>	<b>0.0d</b>	<b>20-Mar-17</b>	<b>23-Jan-18</b>			<b>6</b>		
<b>Conduct Section 106 Consultation (with ste...</b>	13473	210.0d	210.0d	0.0d	20-Mar-17	23-Jan-18	ENVIRONMENTAL S...		6		
[-] <b>Air Quality Analysis</b>		<b>210.0d</b>	<b>210.0d</b>	<b>0.0d</b>	<b>20-Mar-17</b>	<b>23-Jan-18</b>			<b>5</b>		
<b>Conduct Air Quality Analysis (with steps)</b>	13493	210.0d	210.0d	0.0d	20-Mar-17	23-Jan-18	ENVIRONMENTAL S...		5		
[-] <b>Agency Consultation for Ecology</b>		<b>210.0d</b>	<b>210.0d</b>	<b>0.0d</b>	<b>20-Mar-17</b>	<b>23-Jan-18</b>			<b>4</b>		
<b>Conduct Agency Consultation for Ecology (...)</b>	13413	210.0d	210.0d	0.0d	20-Mar-17	23-Jan-18	ENVIRONMENTAL S...		4		
[-] <b>Noise Analysis</b>		<b>210.0d</b>	<b>210.0d</b>	<b>0.0d</b>	<b>20-Mar-17</b>	<b>23-Jan-18</b>			<b>6</b>		
<b>Conduct Noise Analysis (with steps)</b>	13483	210.0d	210.0d	0.0d	20-Mar-17	23-Jan-18	ENVIRONMENTAL S...		6		
[-] <b>Receive Local/Consultant Technical Studies</b>		<b>0.0d</b>	<b>0.0d</b>	<b>0.0d</b>	<b>21-Nov-17</b>	<b>21-Nov-17</b>					
◆ <b>Receive Local/Consultant Agency Consultat...</b>	13467	0.0d	0.0d	0.0d	21-Nov-17	21-Nov-17	ENVIRONMENTAL S...				
◆ <b>Receive Local/Consultant Assessment of Eff...</b>	13477	0.0d	0.0d	0.0d	21-Nov-17	21-Nov-17	ENVIRONMENTAL S...				
◆ <b>Receive Local/Consultant Noise Analysis</b>	13487	0.0d	0.0d	0.0d	21-Nov-17	21-Nov-17	ENVIRONMENTAL S...				
◆ <b>Receive Local/Consultant Air Quality Analy...</b>	13497	0.0d	0.0d	0.0d	21-Nov-17	21-Nov-17	ENVIRONMENTAL S...				
[-] <b>NEPA Document</b>		<b>331.0d</b>	<b>331.0d</b>	<b>0.0d</b>	<b>21-Dec-17</b>	<b>19-Apr-19</b>			<b>7</b>		
<b>NEPA Document Summary</b>	14311	331.0d	331.0d	0.0d	21-Dec-17	19-Apr-19					
[-] <b>Draft EA</b>		<b>120.0d</b>	<b>120.0d</b>	<b>0.0d</b>	<b>21-Dec-17</b>	<b>14-Jun-18</b>			<b>4</b>		
<b>Complete Draft EA and Review (with steps)</b>	14323	60.0d	60.0d	0.0d	21-Dec-17	20-Mar-18	ENVIRONMENTAL S...		3		
◆ <b>Submit Draft EA</b>	14327	0.0d	0.0d	0.0d	21-Mar-18	21-Mar-18	ENVIRONMENTAL S...				
<b>FHWA Review of Draft EA &amp; Approval to ...</b>	14333	60.0d	60.0d	0.0d	21-Mar-18	14-Jun-18	ENVIRONMENTAL S...		1		
[-] <b>Receive Local/Consultant NEPA Docume...</b>		<b>0.0d</b>	<b>0.0d</b>	<b>0.0d</b>	<b>24-Jan-18</b>	<b>24-Jan-18</b>					
◆ <b>Receive Local/Consultant Draft EA/FONSI</b>	14337	0.0d	0.0d	0.0d	24-Jan-18	24-Jan-18	ENVIRONMENTAL S...				

Activity Name	Activity ID	Planned Duration	Remaining Duration	Total Float	BL Project Start	BL Project Finish	Late Finish	Owner	Step Count	Notebook Topics	2014
<b>CE or Final EA</b>		<b>150.0d</b>	<b>150.0d</b>	<b>0.0d</b>	<b>12-Sep-18</b>	<b>19-Apr-19</b>			<b>3</b>		
Prepare CE or Revised EA/FONSI and Revi...	14423	90.0d	90.0d	0.0d	12-Sep-18	25-Jan-19	ENVIRONMENTAL S...		2		
◆ Submit CE or Revised EA/FONSI to FHWA	14427	0.0d	0.0d	0.0d	28-Jan-19	28-Jan-19	ENVIRONMENTAL S...				
FHWA Review and Approval of the CE or ...	14433	60.0d	60.0d	0.0d	28-Jan-19	19-Apr-19	ENVIRONMENTAL S...		1		
<b>Receive Local/Consultant NEPA Docume...</b>		<b>0.0d</b>	<b>0.0d</b>	<b>0.0d</b>	<b>27-Nov-18</b>	<b>27-Nov-18</b>					
◆ Receive Local/Consultant CE or Revised E...	14437	0.0d	0.0d	0.0d	27-Nov-18	27-Nov-18	ENVIRONMENTAL S...				
<b>Public Hearing Open House (PHOH)</b>		<b>50.0d</b>	<b>50.0d</b>	<b>161.0d</b>	<b>15-Jun-18</b>	<b>24-Aug-18</b>			<b>5</b>		
Prepare For and Conduct PHOH (with steps)	14343	30.0d	30.0d	31.0d	15-Jun-18	27-Jul-18	ENVIRONMENTAL S...		5		
◆ Public Hearing Held	14347	0.0d	0.0d	31.0d	30-Jul-18	30-Jul-18	ENVIRONMENTAL S...				
Respond to PHOH Comments	14352	20.0d	20.0d	161.0d	30-Jul-18	24-Aug-18	ENVIRONMENTAL S...				
<b>Environmental Certification for ROW Autho...</b>		<b>10.0d</b>	<b>10.0d</b>	<b>81.0d</b>	<b>22-Apr-19</b>	<b>06-May-19</b>					
Receive Revised Plans & Change Form (if cha...	18112	5.0d	5.0d	81.0d	22-Apr-19	29-Apr-19	ENVIRONMENTAL S...				
Environmental Certification for ROW Authori...	70300	5.0d	5.0d	81.0d	30-Apr-19	06-May-19	ENVIRONMENTAL S...				
<b>Permits</b>		<b>145.0d</b>	<b>145.0d</b>	<b>0.0d</b>	<b>28-Nov-19</b>	<b>25-Jun-20</b>			<b>11</b>		
OES Receives and Reviews Plans for Applicat...	88222	10.0d	10.0d	0.0d	28-Nov-19	11-Dec-19	ENVIRONMENTAL S...				
404 and Buffer Variance (BV) Permits LOE	88231	135.0d	135.0d	0.0d	12-Dec-19	25-Jun-20	ENVIRONMENTAL S...				
<b>404 Permit</b>		<b>115.0d</b>	<b>115.0d</b>	<b>0.0d</b>	<b>12-Dec-19</b>	<b>28-May-20</b>			<b>7</b>		
Complete 404 Permit (with steps) add 15d i...	88233	115.0d	115.0d	0.0d	12-Dec-19	28-May-20	ENVIRONMENTAL S...		7		
404 Individual Permit - JPN Activities (only...	88234	40.0d	40.0d	0.0d	07-Jan-20	03-Mar-20	ENVIRONMENTAL S...				
<b>Vegetative Buffer Variance (BV)</b>		<b>120.0d</b>	<b>120.0d</b>	<b>0.0d</b>	<b>07-Jan-20</b>	<b>25-Jun-20</b>			<b>4</b>		
Prepare Buffer Variance (with steps)	88253	120.0d	120.0d	0.0d	07-Jan-20	25-Jun-20	ENVIRONMENTAL S...		4		
<b>Environmental Certification for CST Autho...</b>		<b>130.0d</b>	<b>130.0d</b>	<b>0.0d</b>	<b>30-Dec-19</b>	<b>02-Jul-20</b>			<b>8</b>		
Receive FFPR Plans & Change Form (if neede...	18712	20.0d	20.0d	0.0d	30-Dec-19	28-Jan-20	ENVIRONMENTAL S...				
Environmental Certification for Let Complete	95200	10.0d	10.0d	0.0d	19-Jun-20	02-Jul-20	ENVIRONMENTAL S...				
<b>Update Environmental Studies for CST Au...</b>		<b>40.0d</b>	<b>40.0d</b>	<b>0.0d</b>	<b>29-Jan-20</b>	<b>24-Mar-20</b>			<b>6</b>		
Update Ecology Studies	18814	40.0d	40.0d	0.0d	29-Jan-20	24-Mar-20	ENVIRONMENTAL S...				
Update History Studies	18854	40.0d	40.0d	0.0d	29-Jan-20	24-Mar-20	ENVIRONMENTAL S...				
Update Archaeology Studies	18864	40.0d	40.0d	0.0d	29-Jan-20	24-Mar-20	ENVIRONMENTAL S...				
Update Noise Assessments and Public Outr...	18884	40.0d	40.0d	0.0d	29-Jan-20	24-Mar-20	ENVIRONMENTAL S...		6		
Update Air Quality Analysis	18894	40.0d	40.0d	0.0d	29-Jan-20	24-Mar-20	ENVIRONMENTAL S...				
<b>Environmental Reevaluation</b>		<b>60.0d</b>	<b>60.0d</b>	<b>0.0d</b>	<b>25-Mar-20</b>	<b>18-Jun-20</b>			<b>2</b>		

Activity Name	Activity ID	Planned Duration	Remaining Duration	Total Float	BL Project Start	BL Project Finish	Late Finish	Owner	Step Count	Notebook Topics	2014
Complete Environmental Reevaluation for C...	18723	40.0d	40.0d	0.0d	25-Mar-20	20-May-20	ENVIRONMENTAL S...		2		
◆ Submit Environmental Reevaluation to FH...	18727	0.0d	0.0d	0.0d	21-May-20	21-May-20	ENVIRONMENTAL S...				
▢ FHWA Approval of Environmental Reevalu...	18732	20.0d	20.0d	0.0d	21-May-20	18-Jun-20	ENVIRONMENTAL S...				
[-] Location and Design		215.0d	215.0d	141.0d	19-Sep-18	31-Jul-19					
▢ Location and Design Summary	60000	215.0d	215.0d	141.0d	19-Sep-18	31-Jul-19					
▢ PM Submit L & D Report	60050	1.0d	1.0d	225.0d	19-Sep-18	19-Sep-18	PROGRAM DELIVERY				
▢ L & D Approval	60100	10.0d	10.0d	81.0d	22-Apr-19	06-May-19	DESIGN POLICY & S...				
▢ L & D Approval Advertisement	60500	60.0d	60.0d	141.0d	07-May-19	31-Jul-19	DISTRICT OFFICE				
[-] ROW Plans		155.0d	155.0d	81.0d	19-Sep-18	06-May-19					
▢ ROW Plans Summary	50000	155.0d	155.0d	81.0d	19-Sep-18	06-May-19					
▢ ROW Plans Preparation	50100	15.0d	15.0d	181.0d	19-Sep-18	10-Oct-18	ROADWAY DESIGN				
▢ Submit Right of Way Plans	50300	0.0d	0.0d	181.0d	11-Oct-18	11-Oct-18	PROGRAM DELIVERY				
▢ ROW Plans Final Approval	50400	40.0d	40.0d	81.0d	11-Mar-19	06-May-19	RIGHT OF WAY				
[-] ROW Acquisition		240.0d	240.0d	81.0d	18-Mar-19	03-Mar-20					
▢ ROW Acquisition Summary	70000	240.0d	240.0d	81.0d	18-Mar-19	03-Mar-20					
▢ ROW Estimate for Authorization	70200	30.0d	30.0d	106.0d	18-Mar-19	29-Apr-19	RIGHT OF WAY				
◆ ROW Authorization	70400	0.0d	0.0d	81.0d	04-Jun-19	04-Jun-19	PROGRAMMING				
▢ Appraisal and Review	71000	70.0d	70.0d	81.0d	05-Jun-19	12-Sep-19	RIGHT OF WAY				
▢ Stake ROW	72000	30.0d	30.0d	81.0d	13-Sep-19	25-Oct-19	DISTRICT OFFICE				
▢ ROW Negotiations	73000	85.0d	85.0d	81.0d	28-Oct-19	03-Mar-20	RIGHT OF WAY				
[-] Final Design Phase		211.0d	211.0d	39.0d	22-Apr-19	26-Feb-20					
▢ Final Design Phase Summary	81300	211.0d	211.0d	39.0d	22-Apr-19	26-Feb-20					
▢ Complete/Submit Environmental Change Form	81312	10.0d	10.0d	140.0d	22-Apr-19	06-May-19	PROGRAM DELIVERY				
◆ Submit Plans to Environmental for Permit Appli...	81397	0.0d	0.0d	0.0d	28-Nov-19	28-Nov-19	PROGRAM DELIVERY				
▢ Request/Receive Utilities Second Submission	82000	60.0d	60.0d	50.0d	19-Jun-19	12-Sep-19	PROGRAM DELIVERY				
▢ Wall Plans Preparation	82500	40.0d	40.0d	72.0d	17-Jun-19	12-Aug-19	BRIDGE DESIGN				
▢ Request/Receive Final Lighting Plans	82700	20.0d	20.0d	92.0d	17-Jun-19	15-Jul-19	PROGRAM DELIVERY				
[-] Local and Consultant Design Activities for F...		170.0d	170.0d	0.0d	22-Apr-19	27-Dec-19					
▢ Final Construction Plans	81400	100.0d	100.0d	0.0d	22-Apr-19	12-Sep-19	PROGRAM DELIVERY				
▢ Review Local/Consultant Final Plans	86500	20.0d	20.0d	0.0d	28-Nov-19	27-Dec-19	PROGRAM DELIVERY				
◆ Final Construction Plans Complete	87000	0.0d	0.0d	0.0d	27-Dec-19	27-Dec-19	PROGRAM DELIVERY				

Activity Name	Activity ID	Planned Duration	Remaining Duration	Total Float	BL Project Start	BL Project Finish	Late Finish	Owner	Step Count	Notebook Topics	2014
<b>- Final Bridge Design</b>		<b>150.0d</b>	<b>150.0d</b>	<b>0.0d</b>	<b>22-Apr-19</b>	<b>27-Nov-19</b>					
Final Bridge Design Summary	82300	150.0d	150.0d	0.0d	22-Apr-19	27-Nov-19					
Final Bridge Plans Preparation	82400	120.0d	120.0d	0.0d	22-Apr-19	10-Oct-19	BRIDGE DESIGN				
Review Local/Consultant Final Bridge Plans	82430	30.0d	30.0d	0.0d	11-Oct-19	27-Nov-19	BRIDGE DESIGN				
<b>- FFPR</b>		<b>41.0d</b>	<b>41.0d</b>	<b>39.0d</b>	<b>30-Dec-19</b>	<b>26-Feb-20</b>					
PM Request FFPR	89500	0.0d	0.0d	0.0d	30-Dec-19	30-Dec-19	PROGRAM DELIVERY				
FFPR Summary	90000	41.0d	41.0d	39.0d	30-Dec-19	26-Feb-20	ENGINEERING SERVI...				
FFPR Request (OES)	90100	20.0d	20.0d	39.0d	30-Dec-19	28-Jan-20	ENGINEERING SERVI...				
FFPR Inspection	90200	1.0d	1.0d	39.0d	29-Jan-20	29-Jan-20	ENGINEERING SERVI...				
FFPR Report Preparation	90300	5.0d	5.0d	39.0d	30-Jan-20	05-Feb-20	ENGINEERING SERVI...				
FFPR Report Approval and Distribution	90350	0.0d	0.0d	39.0d	06-Feb-20	06-Feb-20	ENGINEERING SERVI...				
PM Submits FFPR Responses to OES	90375	10.0d	10.0d	39.0d	06-Feb-20	19-Feb-20	PROGRAM DELIVERY				
Verify FFPR Responses (OES)	90400	5.0d	5.0d	39.0d	20-Feb-20	26-Feb-20	ENGINEERING SERVI...				
PM Distributes FFPR Responses	90450	0.0d	0.0d	39.0d	26-Feb-20	26-Feb-20	PROGRAM DELIVERY				
<b>- Final Submittals</b>		<b>145.0d</b>	<b>145.0d</b>	<b>0.0d</b>	<b>04-Mar-20</b>	<b>28-Sep-20</b>					
Submit Corrected FFPR Plans	90500	0.0d	0.0d	39.0d	18-Mar-20	18-Mar-20	PROGRAM DELIVERY				
Final Submittals Summary	95000	145.0d	145.0d	0.0d	04-Mar-20	28-Sep-20					
Submit Final Plans	95100	0.0d	0.0d	0.0d	13-Jul-20	13-Jul-20	PROGRAM DELIVERY				
Utility Agreements Preparation and Certification	95300	30.0d	30.0d	44.0d	19-Mar-20	30-Apr-20	UTILITIES				
G.O. ROW Certification	95400	4.0d	4.0d	81.0d	04-Mar-20	09-Mar-20	RIGHT OF WAY				
Construction Authorization	95500	0.0d	0.0d	0.0d	31-Jul-20	31-Jul-20	PROGRAMMING				
Project Advertisement	95600	20.0d	20.0d	0.0d	03-Aug-20	28-Aug-20	CONSTRUCTION BL...				
Utilities Notice to Proceed	95700	0.0d	0.0d	104.0d	30-Apr-20	30-Apr-20	UTILITIES				
Let Contract	95800	0.0d	0.0d	0.0d	28-Sep-20	28-Sep-20	CONSTRUCTION BL...				

**Georgia Department of Transportation**  
**Project Financial Report (PFR)**

**Project: 122660-**

Description: SR 24/JUS 441 FM N OF APALACHEE RIVER TO WATKINSVILLE BP  
 Project Manager Name: Wilkinson, Eric Ryan  
 Office: Program Delivery  
 Counties: Oconee

**Engineer Estimates**

Activity	Original	Current	Change	% Change	Original Cost Est Date	Current Cost Est Date
ROW	\$13,900,000.00	\$13,900,000.01	\$0.01	0.00 %	06/18/2013	06/18/2013
<b>TOTALS</b>	<b>\$13,900,000.00</b>	<b>\$13,900,000.01</b>	<b>\$0.01</b>	<b>0.00 %</b>		

**Programmed Funds**

Activity	Fund Code	Activity Status	Approved Program Date	Federal Funding	AC Funding	State Funding	Local Funding	Total Funding
PE	0AC	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PE	6049	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	\$521.24	\$0.00	\$521.24
PE	L050	AUTHORIZED	1995, 2002, 2002	(\$109,721.32)	\$0.00	(\$27,430.32)	\$0.00	(\$137,151.64)
PE	M001	PRECST	NONE	\$800,000.00	\$0.00	\$200,000.00	\$0.00	\$1,000,000.00
PE	42100	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	(\$17,897.90)	\$0.00	(\$17,897.90)
PE	41494	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	(\$31,658.11)	\$0.00	(\$31,658.11)
PE	41496	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	(\$5,373.16)	\$0.00	(\$5,373.16)
PE	E00	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	(\$268.82)	\$0.00	(\$268.82)
PE	E02	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	\$0.01	\$0.00	\$0.01
PE	L030	AUTHORIZED	1995, 2002, 2002	(\$39,818.24)	\$0.00	(\$9,954.56)	\$0.00	(\$49,772.80)
PE	41533	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	(\$54,222.06)	\$0.00	(\$54,222.06)
PE	60470	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	(\$75,983.01)	\$0.00	(\$75,983.01)
PE	6048	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	(\$542.35)	\$0.00	(\$542.35)
PE	TAC	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PE	41565	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PE	60501	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PE	E93	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	\$16,897.74	\$0.00	\$16,897.74
PE	E94	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	(\$200,000.00)	\$0.00	(\$200,000.00)
PE	41472	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	(\$110,982.11)	\$0.00	(\$110,982.11)

Georgia Department of Transportation

**Project Financial Report (PFR)**

**Programmed Funds**

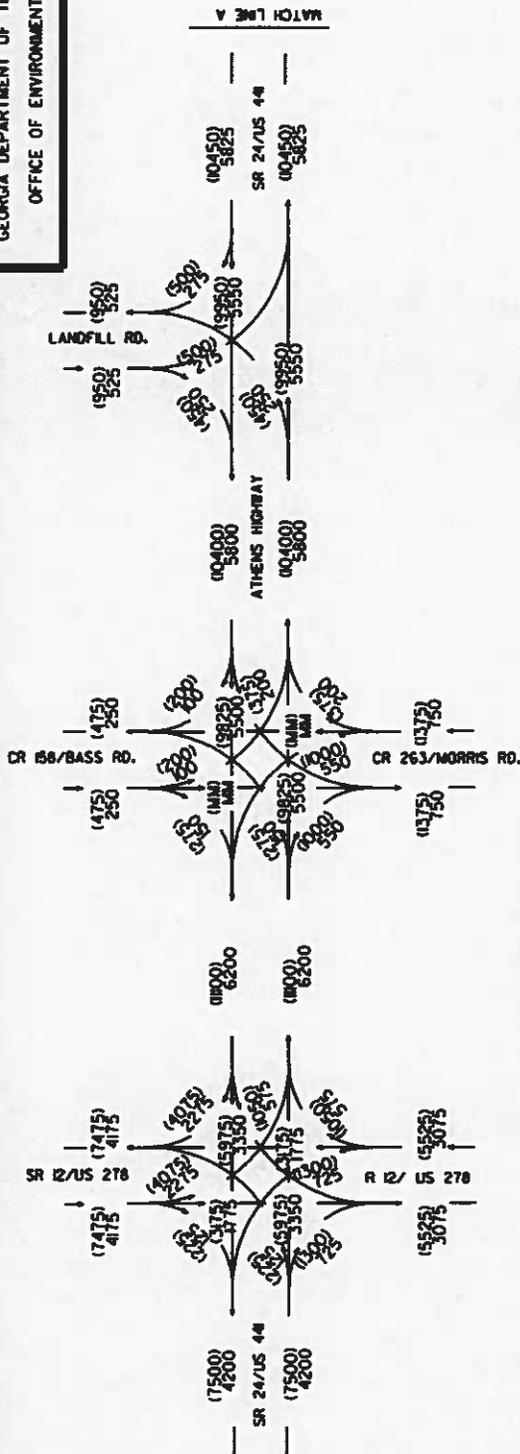
Activity	Fund Code	Activity Status	Approved Program Date	Federal Funding	AC Funding	State Funding	Local Funding	Total Funding
PE	AAJ	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	\$178,143.64	\$0.00	\$178,143.64
PE	E98	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	\$4,706.20	\$0.00	\$4,706.20
PE	41517	AUTHORIZED	1995, 2002, 2002	\$0.00	\$0.00	(\$268.82)	\$0.00	(\$268.82)
		PE Subtotal		\$650,460.44	\$0.00	(\$134,312.39)	\$0.00	\$516,148.05
CST	M001	PRECST	2020	\$42,468,434.60	\$0.00	\$10,617,108.65	\$0.00	\$53,085,543.25
		CST Subtotal		\$42,468,434.60	\$0.00	\$10,617,108.65	\$0.00	\$53,085,543.25
ROW	M001	PRECST	2018	\$12,522,926.11	\$0.00	\$3,130,731.53	\$0.00	\$15,653,657.64
		ROW Subtotal		\$12,522,926.11	\$0.00	\$3,130,731.53	\$0.00	\$15,653,657.64
		<b>TOTALS</b>		<b>\$55,641,821.15</b>	<b>\$0.00</b>	<b>\$13,613,527.79</b>	<b>\$0.00</b>	<b>\$69,255,348.94</b>

**Project Accounting**

Project Number	CONTINGENCY	Amount	CONTRACT			INHOUSE / OVERHEAD / GENERAL FUNDS**			
			Unearned	Allocated	Allotment Balance	Unearned	Allocated	Allotment Balance	
PEEDS044100043		\$0.00	\$0.00	\$79,599.59	(\$15,749.69)	\$415,761.32	\$440.08	\$330,307.05	\$85,014.19
<b>TOTALS</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$79,599.59</b>	<b>(\$15,749.69)</b>	<b>\$415,761.32</b>	<b>\$440.08</b>	<b>\$330,307.05</b>	<b>\$85,014.19</b>

**Project Accounting Summary**

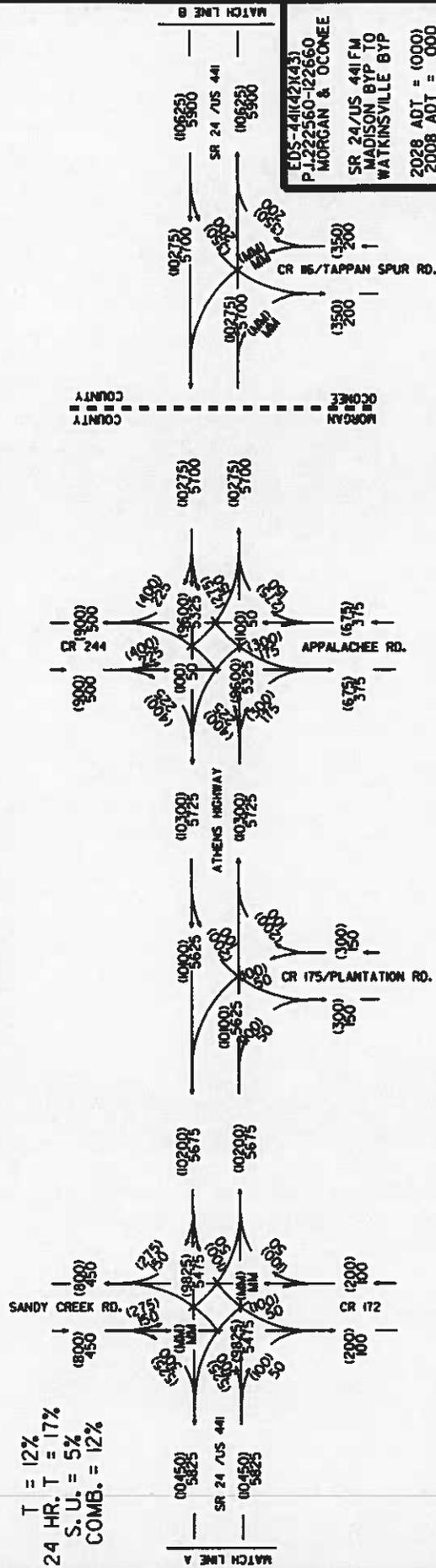
Project Number	Unearned	Allocated	Earned	Allotment Balance	% Earned	Last Activity Date
PEEDS044100043	\$440.08	\$495,360.91	\$425,656.33	\$69,264.50	85.92 %	7/31/2014
<b>TOTALS</b>	<b>\$440.08</b>	<b>\$495,360.91</b>	<b>\$425,656.33</b>	<b>\$69,264.50</b>	<b>85.93 %</b>	



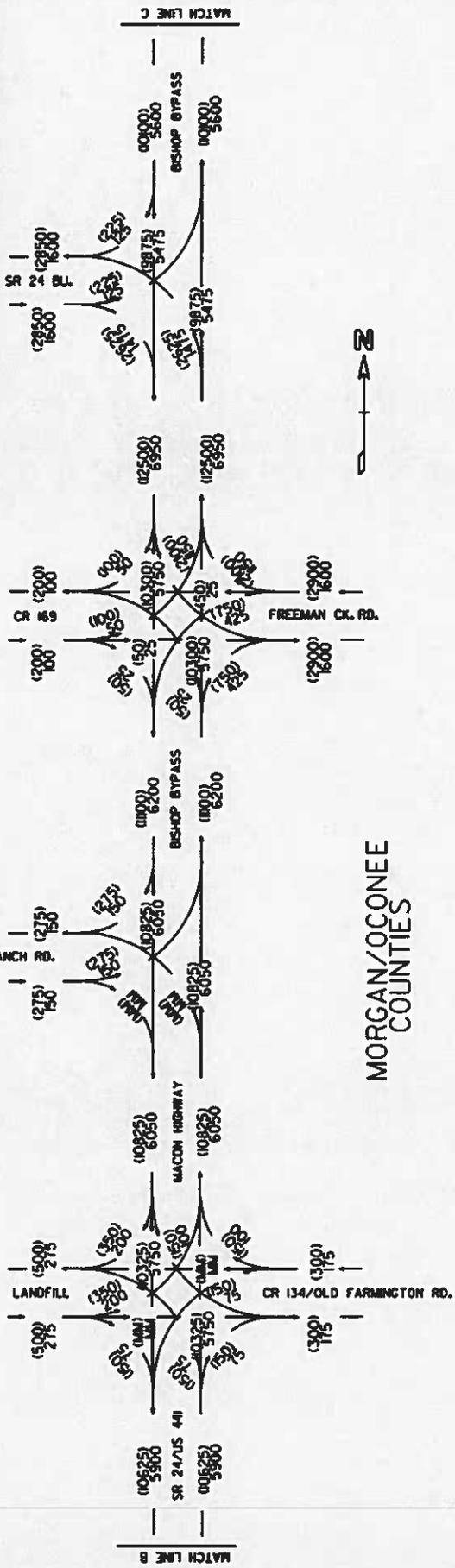
MORGAN/OCCONEE  
COUNTIES



T = 12%  
24 HR. T = 17%  
S. U. = 5%  
COMB. = 12%



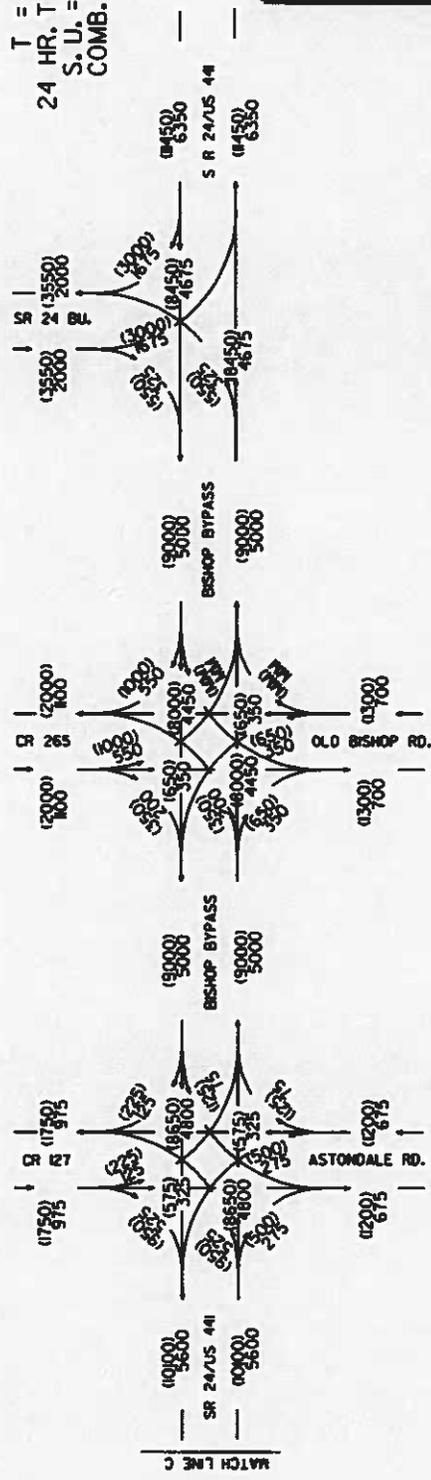
EDS-441421431  
P.J.222560-122660  
MORGAN & OCONEE  
SR 24/US 44 FM  
MADISON BYP TO  
WATKINSVILLE BTP  
2008 ADT = (000)  
T.M.  
04/03



MORGAN/OCONEE  
COUNTIES



T = 13%  
24 HR. T = 15%  
S. U. = 6%  
COMB. = 9%



EDS-44(42)(43)  
P.L.222560-122660  
MORGAN & OCONEE  
SR 24/US 44/FM  
MADISON BYP TO  
WATKINSVILLE BYP  
2028 ADT = 1000  
2008 ADT = 000  
T.M.  
C.R.S.





EXHIBIT I-1

Project/Contract 1

1. Project Numbers: EDS00-0441-00(043)
2. PI Numbers:122660-
3. County(ies):, Oconee
4. Description: Widening of SR 24/ US 441 FM N Of Apalachee Rliver to Watkinsville Bypass
5. Required Area Classes:

Prime Consultants are defined as the firm submitting the Statement of Qualifications and the firm with whom GDOT will contract. The Team is defined as the Prime Consultant and their subconsultants, who are considered team members. The Prime Consultant must be prequalified in the Area Classes identified below in Section 5.A. The Prime Consultant or subconsultant team members must be prequalified in the Area Classes identified below in Section 5.B. Respondents should submit a summary form (example provided in Exhibit IV) which details the required area classes for the Prime Consultant and all subconsultants or joint-venture of consultants on the team listed in the Statement of Qualifications. The area classes listed on the summary form must meet all required area classes or the team will be disqualified. The Prequalification Expiration Date must be current by the deadline stated for this RFQ.

A. The Prime Consultant **MUST** be prequalified by GDOT in the area classes listed below:

**DELETE THE AREA CLASSES THAT ARE NOT APPLICABLE TO THE SPECIFIC SOLICITATION.**

Number	Area Class
3.01	Two-Lane or Multi-lane Rural Roadway Design
3.02	Two-Lane or Multi-lane urban Roadway Design

B. The Team (either the Prime Consultant and/or one or more of their subconsultant team members) **MUST** be prequalified by GDOT in the area classes listed below:

**DELETE THE AREA CLASSES THAT ARE NOT APPLICABLE TO THE SPECIFIC SOLICITATION. IF THE PRIME IS PREQUALIFIED, DO NOT SHOW THE SUB AS NEEDING TO BE.**

Number	Area Class
1.07	Attitude, Opinion, and Community Value Studies (Public Involvement)
1.09	Location Studies
1.10	Traffic Analysis
3.06	Traffic Operations Studies
3.07	Traffic Operations Design
3.10	Utility Coordination
3.12	Hydraulic and Hydrological Studies (Roadway)
3.13	Facilities for Bicycles and Pedestrians
3.16	Value Engineering (VE)
4.01	Minor Bridge Design
4.04	Hydraulic and Hydrological Studies (Bridges)
4.05	Bridge Inspection
5.01	Land Surveying
5.02	Engineering Surveying
5.03	Geodetic Surveying
5.08	Overhead/Subsurface Utility Engineering (SUE)

6.01(a)	Soil Survey Studies
6.02	Bridge Foundation Studies
6.05	Hazardous Waste Site Assessment Studies
9.01	Erosion, Sedimentation, and Pollution Control Plan

6. Scope:

The Proposed project will consist of the widening/new construction of SR 24/US 441 North of the Apalachee River to the Watkinsville bypass in Oconee County (PI 122660-). Also included in this widening will be the construction of a new bridge over Greenbrier Creek. The scope of work includes concept validation and revising, coordination for obtaining the environmental document, preliminary construction plans, bridge plans, right of way plans, and final construction plans in accordance with the GDOT plan presentation guide. The Environmental Document will be completed by the consultant for PI 222560- and coordination with plans and needed information will be required. This coordination is key to the success of these projects and strategies should be discussed in submittals. Also for this project a citizen advisory committee will be anticipated for this project and meetings will be required.

- PI# 222560 - SR 24/US 441 from Madison Bypass to just north of the Apalachee River
- PI# 122660 - SR 24/US 441 from north of the Apalachee River to the Watkinsville bypass

All phases of the project should proceed using the guidance established in the Plan Development Process (PDP). All required engineering studies are considered part of the scope of services.

A) Concept Development:

- 1) Validate current Concept Report
- 2) Revise Concept Report if necessary

B) Environmental Document:

- 1) Close Coordination with the Project Team on PI 222560- on all aspects

C) Database Preparation

- 1) Field Surveys (using the guidance provided in the GDOT Survey Manual).
- 2) DTM/Topo for all obscure areas within the projects survey limits
- 3) Drainage structure locations and invert elevations
- 4) Property Resolution should be performed for each parcel within the survey limits
- 5) All information should be submitted in the Inroads/Microstation V 8i format

D) Preliminary Design:

- 1) BFI Report.
- 2) Pavement Evaluation/UST & Monitoring Wells/Soil Survey
- 3) Bridge Hydraulic Study
- 4) Preliminary Bridge Layouts
- 5) Complete Preliminary Roadway Plans, including but not limited to:
  - i) Preliminary Bridge Plans
  - ii) Preliminary Signing and Marking Plans
  - iii) Preliminary Signal Plans
  - iv) Preliminary Communication Plans
  - v) Preliminary Staging Plans
- 6) Pavement Type Selection
- 7) Constructability Meeting participation.
- 8) Cost Estimation (CES) with annual updates.
- 9) Quality Assurance/Quality Control Reviews.
- 10) Location and Design Report.

11) PFPR participation, report, and responses (all plans sets and other information requested by Engineering Services).

E) Right-of-Way Plans:

- 1) Coordinate field review of right of way plans and staking.
- 2) Revise plans and deliver final right-of-way plans.
- 3) Right of Way revisions during acquisition.

F) Final Design:

- 1) Final PS&E Package.
- 2) FFPR participation, report, and responses (all plans sets and other information requested by Engineering Services).
- 3) Transportation Management Plan (TMP) Report.
- 4) Final Bridge Plans
- 5) Quality Assurance/Quality Control Reviews.
- 6) CES Final cost estimate.
- 7) Amendments & Revisions.
- 8) Final Design Data Book.

G) Construction:

- 1) Review Shop Drawings.
- 2) Revisions
- 3) Earthwork Coordination

H) Quality Assurance/Quality Control Reviews for all deliverables

I) Attendance in and meeting minutes of monthly meetings to discuss progress and/or issues (additional meetings may be required to resolve major project issues)

J) Prepare, reproduce, and distribute Preliminary Field Plan Review (PFPR) and Final Field Plan Review (FFPR) Package, address/respond to comments, and make plan changes.

K) Prepare, reproduce, and distribute preliminary and final bridge and roadway plans and all supporting disciplines (signing and marking, erosion control, R/W, Utilities, etc.) as well as all special provisions, all design files, and supporting documentation.

7. Available information:

A) Concept Report

- 1) Approved Concept Report
  - i) 222560-
  - ii) 122660-
- 2) Revised Concept Report
  - i) 122660-
- 3) Concept Layouts

B) All previous completed Environmental Studies

C) Database Preparation:

- 1) Mapping
- 2) Survey Control Package

8. An accelerated schedule is required. The following milestone dates are proposed:

- A) Preliminary Engineering (PE) Notice to Proceed – 01/15/2015
- B) Preliminary Field Plan Review (PFPR) Inspection – 08/18/2016
- C) Right-of- Way (ROW) Plans approved – 05/27/2017
- D) Final Field Plan Review (FFPR) Inspection – 04/15/2018
- E) Final Plans for Letting – 08/15/2019
- F) Let Contract – 11/15/2019

9. Related Key Resources: **THESE ARE THE RESUMES TO BE PROVIDED IN STEP 1**

- A. Roadway Design Lead
- B. Bridge Design Lead