

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE**

FILE P.I. #231730-
STP00-0161-01(016)
GDOT District 2 - Tennille
Jasper County
SR 83 Passing Lanes

OFFICE Design Policy & Support

DATE April 12, 2012

FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED CONCEPT REPORT

Attached is the approved Revised Concept Report for the above subject project.

Attachment

DISTRIBUTION:

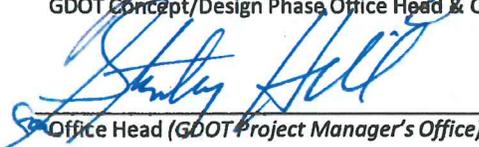
Genetha Rice-Singleton, Program Control Administrator
Bobby Hilliard, State Program Delivery Engineer
Cindy VanDyke, State Transportation Planning Administrator
Angela Robinson, Financial Management Administrator
Glenn Bowman, State Environmental Administrator
Andy Casey, State Roadway Design Engineer
Attn: Sean Bush, Design Group Manager
Kathy Zahul, State Traffic Engineer
Georgene Geary, State Materials & Research Engineer
Lisa Myers, State Project Review Engineer
Jeff Baker, State Utilities Engineer
Ken Thompson, Statewide Location Bureau Chief
Michael Henry, Systems & Classification Branch Chief
Jimmy Smith, District Engineer
Jamie Lindsey, for the District Preconstruction Engineer
Lynn Bean, District Utilities Engineer
Vonda Everett, for the District Environmentalist
Eric Wilkinson, Project Manager
BOARD MEMBER - 8th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
REVISED PROJECT CONCEPT REPORT**

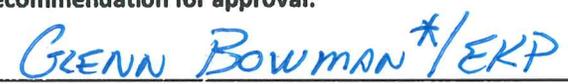
Project Type: <u>Passing Lane</u>	P.I. Number: <u>231730-</u>
GDOT District: <u>District 2 / Tennille</u>	County: <u>Jasper</u>
Federal Route Number: <u>ST1611</u>	State Route Number: <u>83</u>

Site 1 has been deleted due to the presence of relict trillium, a federally protected plant species, within the construction limits. Site 1 has been replaced with a new passing lane, labeled Site 4.

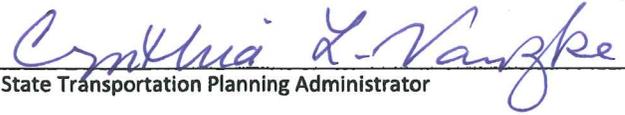
Submitted for approval:

 _____ GDOT Concept/Design Phase Office Head & Office	<u>1/30/12</u> _____ DATE
 _____ Office Head (GDOT Project Manager's Office)	<u>1/31/12</u> _____ DATE
 _____ GDOT Project Manager	<u>1/30/12</u> _____ DATE

Recommendation for approval:

 _____ State Environmental Administrator	<u>2/13/2012</u> _____ DATE
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The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Plan (RTP) and/or the State Transportation Improvement Program (STIP).

 _____ State Transportation Planning Administrator	<u>2-13-12</u> _____ DATE
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** - RECOMMENDATION ON FILE*

PLANNING, APPROVED CONCEPT, & BACKGROUND DATA

Project Justification Statement:

SR 83, in Jasper County is a 2-lane, north-south route functionally classified as a Rural Minor Arterial. The posted speed limits on this roadway range between 25 and 55 MPH. Between the limits of the Ocmulgee River and the City of Shadydale, SR 83 is not included as a designated bike route in the State Bicycle plan. The proposed project originated via a recommendation from the District Two office and was added to the Department's Construction Work Program in 1994 by the SHIP committee. The project is currently identified in GDOT's FY 2012 – 2015 STIP, with right-of-way funds available in fiscal year 2013.

Based upon traffic data information approved by the Office of Planning, the 2010 Average Annual Daily Traffic (AADT), along SR 83 in the area of this project ranges from 1,710 vehicles per day (vpd) to 2,270 vpd. The corresponding 2010 Level of Service for this section of roadway ranges from LOS A to a LOS B. Projected traffic volumes show a corresponding traffic volume range from 4,800 vpd to 5,300 vpd by the design year 2036. The LOS on SR 83 in 2036 (design year) is project to be "C". These LOS ratings are not seen as unacceptable with regards to statewide LOS performance measures. In addition, analysis of the last three years of available crash data in this area show that crash rates for this section of SR 83 were below the statewide average for similar classified facilities.

However, traffic characteristics indicate that trucks account for up to 30 percent of the total volume between the Ocmulgee River and Shadydale in both the current and design year. This high truck percentage creates difficulty for vehicles to pass even with the presence of passing zones.

Current and future traffic conditions on SR 83 within the proposed project limits support a need to provide passing opportunities to the corridor. Based on this information, the proposed limits accommodate the primary purpose of this project, which is to improve traffic flow conditions on the SR 83 corridor between Ocmulgee River and Shadydale in Jasper County.

Description of the approved concept: *This project proposes to construct two passing lanes (one northbound and one southbound) on SR 83 between the Ocmulgee River and the towns of Monticello and Shady Dale, in Jasper County, Georgia. Passing Lane 1 begins approximately 0.08 miles north of the Monroe County Line and ends approximately 0.78 miles south of FS 1099 / Brown Steward Road for a total distance of approximately 1.47 miles and passing lane 2 begins approximately 0.78 miles north of the intersection of SR 83 and County Road 73 / E.C. Kelly Road and ends at approximately 0.85 miles south of the intersection of SR 83 and County Road 77 / River Road; for a total distance of approximately 1.36 miles. The proposed typical section for each passing lane would consist of three 12 foot travel lanes with 10 foot grassed shoulders. Existing right-of-way for passing lane 1 varies from 120 to 200 feet; for passing lane 2 it is 100 feet.*

PDP Classification: Major Minor
Federal Oversight: Full Oversight Exempt State Funded Other

AADT

Projected Traffic as shown in the approved Concept Report:

Open Year (2009): PL#1, 3000; PL#2 2500 Design Year (2029): PL#1 4750; PL#2 4000

Updated Traffic AADT:

Open Year (2016): PL#2 2900; PL#4 3000 Design Year (2036): PL#2 4800; PL#4 5300

Functional Classification (Mainline): Rural Minor Arterial

VE Study anticipated: No Yes Completed – Date:

PROPOSED REVISIONS

Approved Features:	Proposed Features:
<p><i>Site 1 is a northbound passing lane that begins approximately 0.08 miles north of the Monroe County Line and ends approximately 0.78 miles south of FS 1099 / Brown Steward Road. The proposed typical section consists of three 12-ft. lanes with 10' rural shoulders (4-ft. of which is paved). Site 2 is a southbound passing lane that begins approximately 0.78 miles north of the intersection of SR 83 and County Road 73 / E.C. Kelly Road and ends at approximately 0.85 miles south of the intersection of SR 83 and County Road 77 / River Road. The proposed typical section consists of three 12-ft. lanes with 10' rural shoulders (4-ft. of which is paved.)</i></p>	<p><i>Site 1 is to be deleted from the project and replaced with a new site which will be called site 4. Site 4 is a northbound passing lane that begins approximately at the intersection of SR 83 and County Road 144 / New Hope Church Road and ends approximately 0.35 miles south of the intersection of SR 83 and County Road 133 / Star Road. The proposed typical section consists of three 12-ft. lanes with 8' rural shoulders (2-ft. of which is paved.) Additionally, the typical section for Site 2 will be revised to consists of three 12-ft. lanes with 8' rural shoulders (2-ft. of which is paved.)</i></p>
<p>Reason(s) for change: <i>During the ecological studies it was discovered that there were hundreds of specimens of Relict Trillium, which is a federally-protected plant species. These plants were located on site 1 of this project. The current revision is to replace site 1 with the new site and call it site 4. The shoulders on both Site 2 and 4 have been reduced as a result of GDOT review.</i></p>	

ENVIRONMENTAL

Air Quality:

Is the project located in a PM 2.5 Non-attainment area? No Yes
 Is the project located in an Ozone Non-attainment area? No Yes

Potential environmental impacts of proposed revision: *Environmental impacts have been reduced as a result of this concept revision. On site 1 hundreds of instances of relict trillium, a federally protected species, were discovered. Therefore, site 1 is proposed to be replaced by site 4.*

Have proposed revisions been reviewed by environmental staff? No Yes
Environmental responsibilities (Studies/Documents/Permits): *GDOT/ Consultant*

PROJECT COST & ADDITIONAL INFORMATION

Updated Cost Estimate		Date of Estimate
Base Construction Cost:	\$ 2,525,604.82	03.08.2012
Engineering and Inspection:	\$ 126,280.24	03.08.2012
Liquid AC Adjustment:	\$ 240,701.86	03.08.2012
<u>Total Construction Cost:</u>	<u>\$ 2,892,586.92</u>	<u>03.08.2012</u>
Right-of-Way:	\$ 404,000.00	08.03.2011
Utilities (reimbursable costs):	\$ 0.00	01.30.2012
Environmental Mitigation:	\$ 85,410.00	01.23.2012
TOTAL PROJECT COST:	\$3,381,996.92	03.08.2012

Recommendation: *This office recommends that this revision to the Project Concept Report be approved for implementation.*

Attachments:

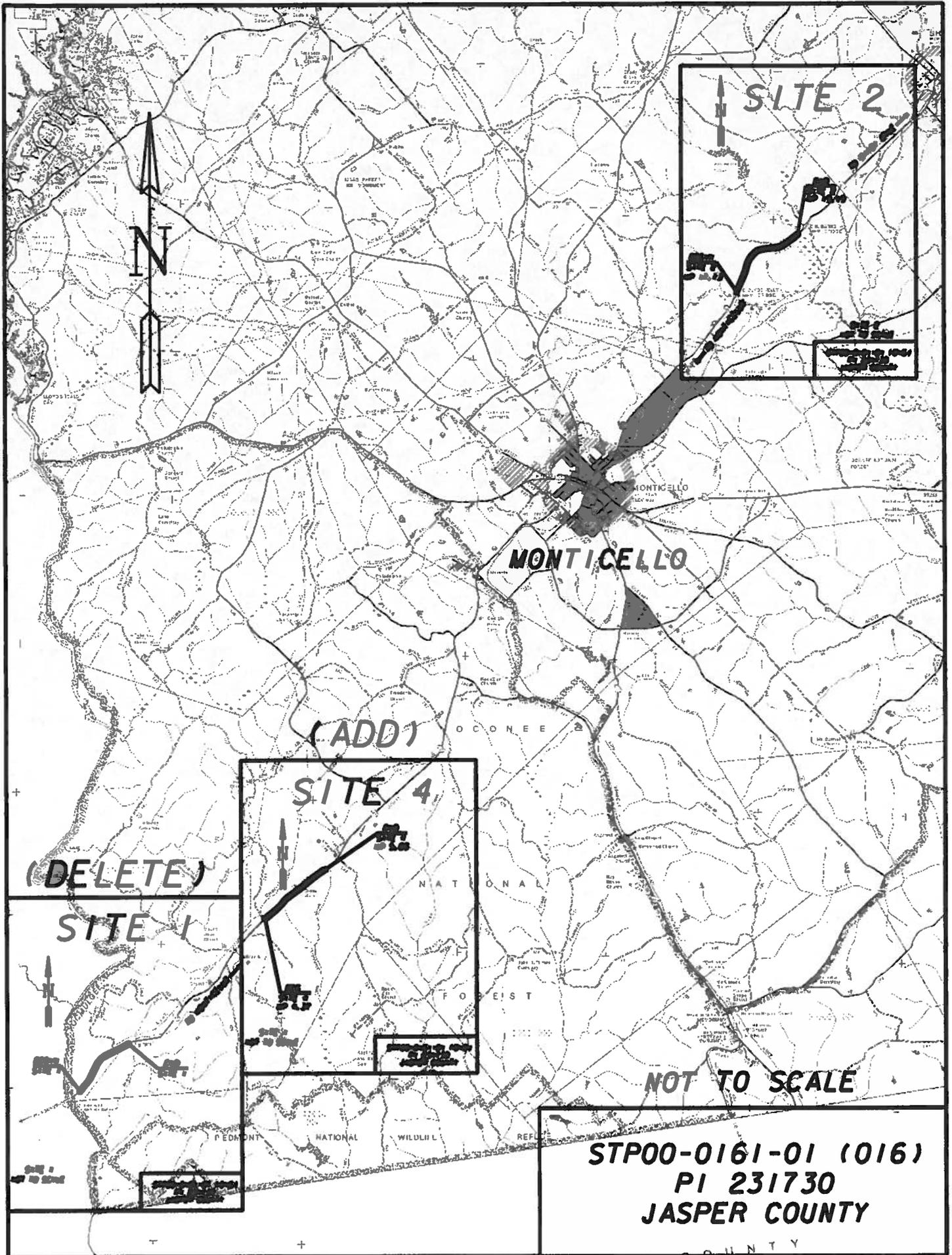
1. Sketch map
2. Cost Estimates
 - a. Construction
 - b. Liquid AC Adjustment
 - c. Right of Way
 - d. Utilities
3. Updated Traffic
4. Typical Section

APPROVALS

Concur: 
Director of Engineering

Approve: 
Chief Engineer

4-11-12
Date



SITE 2

MONTICELLO

(ADD)

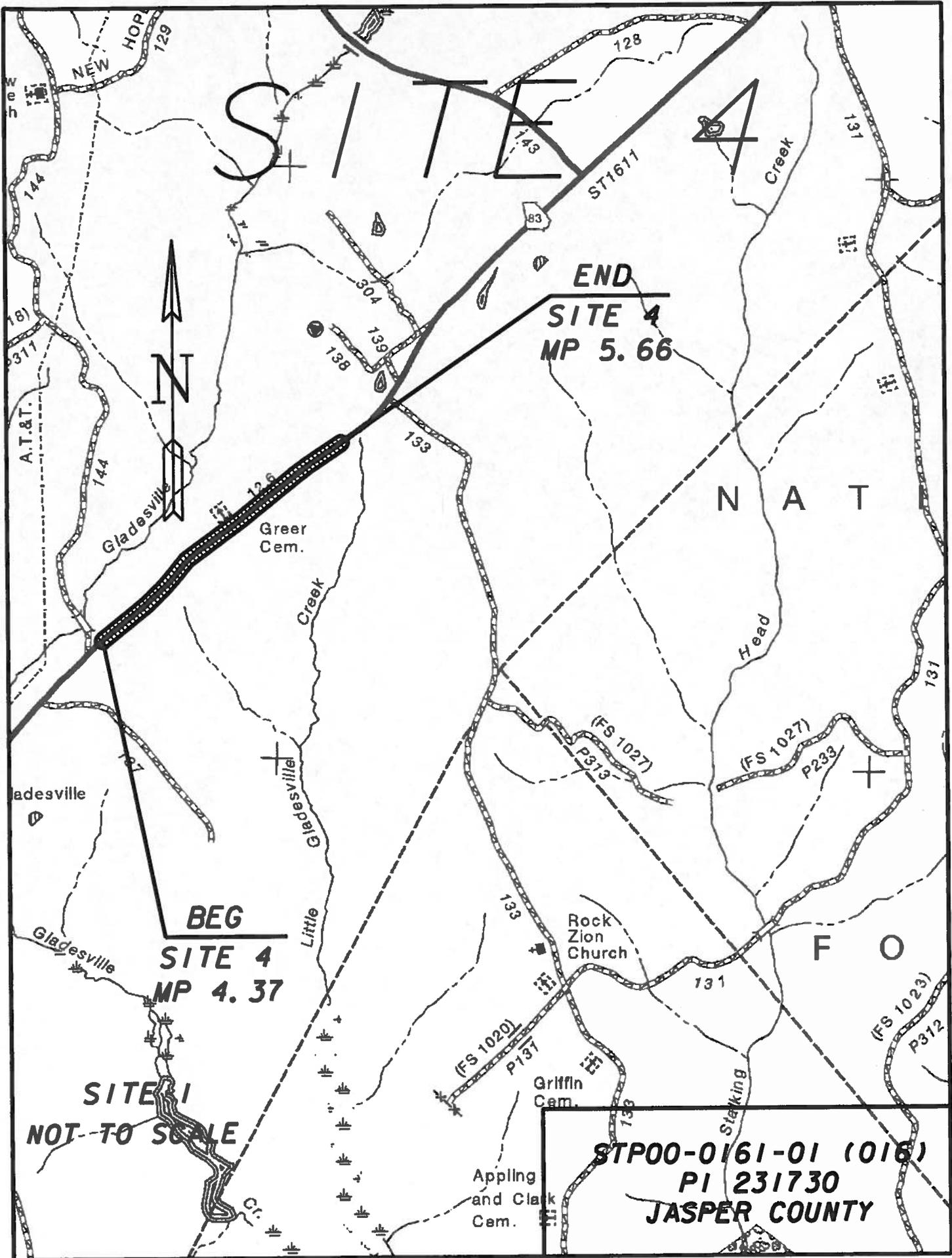
SITE 4

(DELETE)

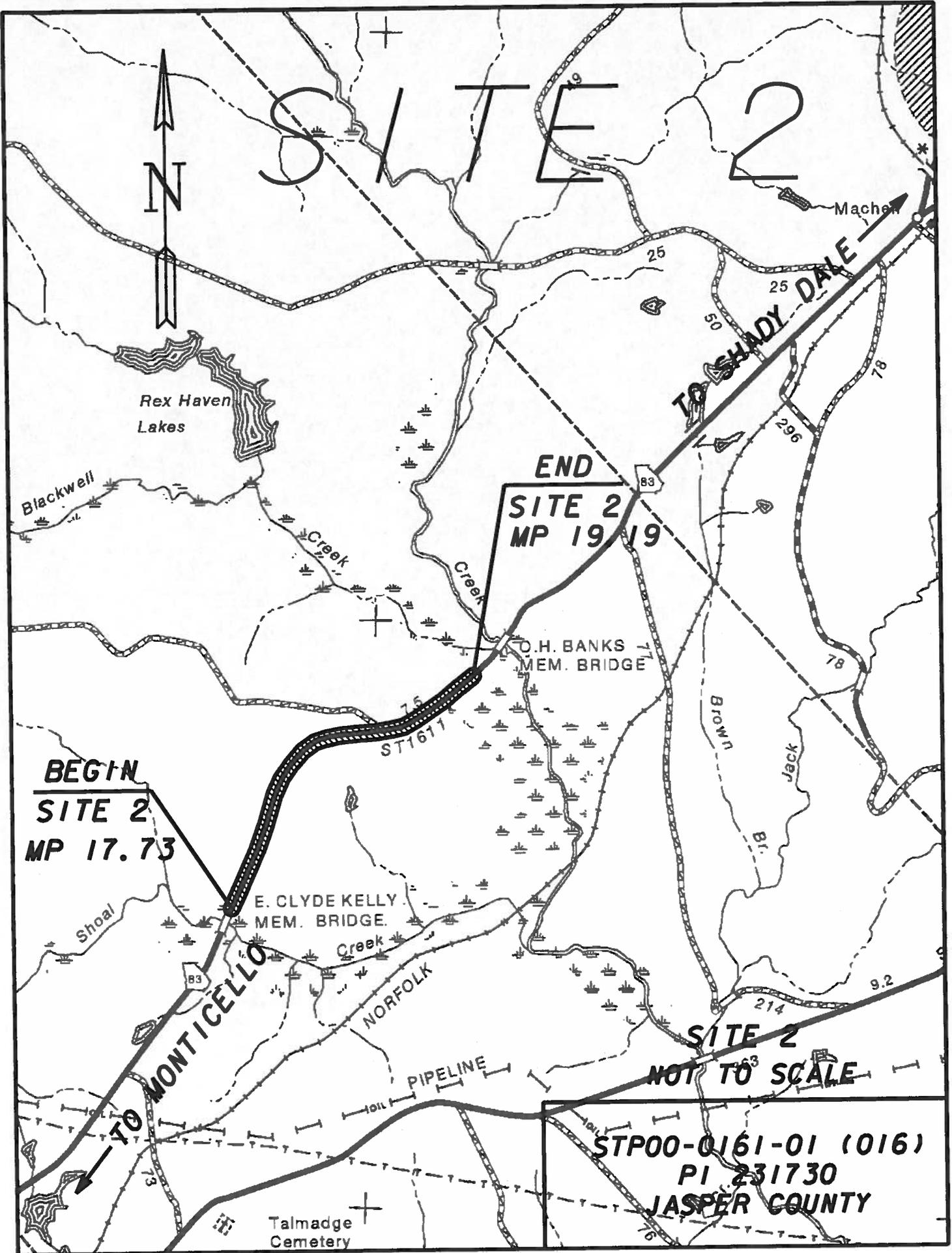
SITE 1

NOT TO SCALE

**STP00-0161-01 (016)
PI 231730
JASPER COUNTY**



STP00-0161-01 (016)
PI 231730
JASPER COUNTY



SITE 2



**BEGIN
SITE 2
MP 17.73**

**END
SITE 2
MP 19.19**

**SITE 2
NOT TO SCALE**

**STP00-0161-01 (016)
PI 231730
JASPER COUNTY**

Rex Haven
Lakes

Blackwell
Creek

Creek

Creek

O.H. BANKS
MEM. BRIDGE

E. CLYDE KELLY
MEM. BRIDGE

Shoal

TO MONTICELLO

NORFOLK

PIPELINE

Brown
Creek

Jack
Creek

Machee

Talmadge
Cemetery

83

83

78

78

296

50

25

25

75

ST1611

9.2

214

163

NOT TO SCALE

DETAILED COST ESTIMATE



Job: 231730MCJ

JOB NUMBER: 231730MCJ

FED/STATE PROJECT NUMBER STP00-0161-01(016)

SPEC YEAR: 01

DESCRIPTION: PASSING LANES ON SR 83

ITEMS FOR JOB 231730MCJ

10 - ROADWAY

Item Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1 000	LS	\$50,000.00	TRAFFIC CONTROL - STP00-0161-01(016)	\$50,000.00
0010	210-0100	1 000	LS	\$612,821.00	GRADING COMPLETE - STP00-0161-01(016)	\$612,821.00
0055	310-1101	18523.000	TN	\$18.36	GR AGGR BASE CRS, INCL MATL	\$340,046.16
0100	318-3000	380 000	TN	\$20.28	AGGR SURF CRS	\$7,705.75
0030	402-1812	1400 000	TN	\$72.94	RECYL AC LEVELING INC BM&HL	\$102,119.61
0400	402-3102	4882 000	TN	\$67.39	REC AC 9.5 MM SP,TP11, BL 1 INCL BM & HL	\$329,002.37
0045	402-3121	3618 000	TN	\$69.60	RECYL AC 25MM SP,GP1/2,BM&HL	\$251,826.58
0040	402-3190	2858 000	TN	\$69.43	RECYL AC 19 MM SP,GP 1 OR 2, INC BM&HL	\$198,421.25
0050	413-1000	3602 000	GL	\$2.76	BITUM TACK COAT	\$9,833.56
0060	446-1100	14218.000	LF	\$3.51	PVMT REF FAB STRIPS, TP2, 18 INCH WIDTH	\$49,940.87
0145	456-2015	6 000	GLM	\$1,211.35	INDENT RUMB STRIPS - GRND-IN-PL (SKIP)	\$7,268.10
0155	550-1240	722.000	LF	\$41.42	STM DR PIPE 24",H 1-10	\$29,908.60
0165	550-2180	480.000	LF	\$24.48	SIDE DR PIPE 18",H 1-10	\$11,748.88
0185	550-3418	30.000	EA	\$494.17	SAFETY END SECTION 18",SD,4 1	\$14,825.21
0135	634-1200	106 000	EA	\$115.00	RIGHT OF WAY MARKERS	\$12,190.00
0015	641-1200	1526 000	LF	\$16.80	GUARDRAIL, TP W	\$25,635.79
0020	641-5001	8.000	EA	\$729.61	GUARDRAIL ANCHORAGE, TP 1	\$5,836.85
0025	641-5012	8 000	EA	\$1,926.77	GUARDRAIL ANCHORAGE, TP 12	\$15,414.16
0085	643-0010	3327 000	LF	\$5.40	FIELD FENCE WOVEN WIRE	\$17,956.08
0085	643-8001	1 000	EA	\$1,204.07	GATE, GALV METAL- STA 89+42.23	\$1,204.07
0140	643-8200	605.000	LF	\$2.26	BARRIER FENCE (ORANGE), 4 FT	\$1,367.24
SUBTOTAL FOR ROADWAY:						\$2,096,171.94

20 - TEMP EROSION CONTROL

Item Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0275	163-0232	19 000	AC	\$600.00	TEMPORARY GRASSING	\$11,400.00
0265	163-0300	4 000	EA	\$1,200.00	CONSTRUCTION EXIT	\$4,800.00
0250	163-0520	565 000	LF	\$15.00	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$8,475.00
0240	163-0529	4208 000	LF	\$3.01	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$12,671.05
0225	165-0010	2500 000	LF	\$0.75	MAINT OF TEMP SILT FENCE, TP A	\$1,875.00
0230	165-0030	1800 000	LF	\$1.00	MAINT OF TEMP SILT FENCE, TP C	\$1,800.00
0245	165-0071	2104 000	LF	\$1.00	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$2,104.00
0270	165-0101	4 000	EA	\$700.00	MAINT OF CONST EXIT	\$2,800.00
0255	167-1000	2 000	EA	\$500.00	WATER QUALITY MONITORING AND SAMPLING	\$1,000.00
0260	167-1500	18 000	MO	\$500.00	WATER QUALITY INSPECTIONS	\$9,000.00
0215	171-0010	5000.000	LF	\$1.50	TEMPORARY SILT FENCE, TYPE A	\$7,500.00
0220	171-0030	3600 000	LF	\$3.00	TEMPORARY SILT FENCE, TYPE C	\$10,800.00
0380	636-1020	221 000	SF	\$17.00	HWY SGN,TP1MAT,REFL SH TP3	\$3,757.00
0280	700-8000	17 000	TN	\$450.00	FERTILIZER MIXED GRADE	\$7,650.00
SUBTOTAL FOR TEMP EROSION CONTROL:						\$86,632.06

30 - EROSION CONTROL

Item Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0335	163-0240	540 000	TN	\$250.00	MULCH	\$135,000.00
0290	603-2181	885 000	SY	\$40.66	STN DUMPED RIP RAP, TP 3, 18"	\$35,986.76
0295	603-7000	885 000	SY	\$4.10	PLASTIC FILTER FABRIC	\$3,629.71
0310	700-6910	37 000	AC	\$1,000.00	PERMANENT GRASSING	\$37,000.00
0315	700-7000	56 000	TN	\$65.00	AGRICULTURAL LIME	\$3,640.00
0325	700-8000	30 000	TN	\$450.00	FERTILIZER MIXED GRADE	\$13,500.00
0330	700-8100	935 000	LB	\$2.30	FERTILIZER NITROGEN CONTENT	\$2,150.50
0300	710-9000	18530 000	SY	\$3.31	PERM SOIL REINFORCING MAT	\$61,276.86
0305	716-2000	24400.000	SY	\$1.24	EROSION CONTROL MATS, SLOPES	\$30,256.00
SUBTOTAL FOR EROSION CONTROL:						\$322,439.83

DETAILED COST ESTIMATE



Job: 231730MCJ

40 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0385	636-1033	28.000	SF	\$22.00	HWY SIGNS, TP1MAT,REFL SH TP 9	\$616.00
0390	636-2070	520.000	LF	\$8.00	GALV STEEL POSTS, TP 7	\$4,160.00
0350	652-5451	28910.000	LF	\$0.25	SOLID TRAF STRIPE, 5 IN, WHITE	\$7,227.50
0340	652-5452	29982.000	LF	\$0.25	SOLID TRAF STRIPE, 5 IN, YELLO	\$7,495.50
0345	652-6502	5280.000	GLF	\$0.25	SKIP TRAF STRIPE, 5 IN, YELLOW	\$1,320.00
0365	654-1001	364.000	EA	\$3.00	RAISED PVMT MARKERS TP 1	\$1,092.00
0375	654-1003	180.000	EA	\$2.50	RAISED PVMT MARKERS TP 3	\$450.00
SUBTOTAL FOR SIGNING AND MARKING:						\$22,361.00

TOTALS FOR JOB 231730MCJ

ITEMS COST:	\$2,625,604.82
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$2,625,604.82
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$2,625,604.82

PROJ. NO.: STP00-0161-01 (016)

P.I. NO. 231730-

DATE: 3/8/2012

Base Construction Cost	\$	2,525,604.82
E & I	5% \$	126,280.24
Construction Contingency	\$	-
Subtotal Construction Cost	\$	<u>2,651,885.06</u>
Liquid AC Adjustment (50 % cap)	\$	<u>240,701.86</u>
Total Construction Cost	\$	<u>2,892,586.92</u>

PROJ. NO. STP00-0161-01 (016)
 P.I. NO. 231730-
 DATE 3/8/2012

CALL NO.

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Jan-12	\$ 3.679
DIESEL		\$ 4.070
LIQUID AC		\$ 614.00

Link to Fuel and AC Index:
<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAFL

Asphalt									
Price Adjustment (PA)								235002.36	\$ 235,002.36
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	982.40					
Monthly Asphalt Cement Price month project let (APL)			\$	614.00					
Total Monthly Tonnage of asphalt cement (TMT)								637.9	

ASPHALT	Tons	%AC	AC ton
Leveling	1400	5.0%	70
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	4882	5.0%	244.1
25 mm SP	3618	5.0%	180.9
19 mm SP	2858	5.0%	142.9
	12758		637.9

BITUMINOUS TACK COAT

Price Adjustment (PA)								\$ 5,699.50	\$ 5,699.50
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	982.40					
Monthly Asphalt Cement Price month project let (APL)			\$	614.00					
Total Monthly Tonnage of asphalt cement (TMT)								15.47095352	

Bitum Tack

Gals	gals/ton	tons
3602	232.8234	15.4709535

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)								0	\$ -
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	982.40					
Monthly Asphalt Cement Price month project let (APL)			\$	614.00					
Total Monthly Tonnage of asphalt cement (TMT)								0	

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf. Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0

TOTAL LIQUID AC ADJUSTMENT \$ 240,701.86

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE Jasper County
P.I. No. 231730

OFFICE Tennille

DATE January 30, 2012

FROM Lynn Bean
District Utilities Engineer

TO Eric Wilkinson, Junior Project Manager

SUBJECT UTILITY COST (ESTIMATE) State Route 83 Passing Lanes No. 2 and No. 4

As per your request, below is a breakdown of both non-reimbursable and reimbursable utility cost for passing lane #2 on this project. There are no utility facilities on passing lane #4.

FACILITY OWNER	NON-REIMBURSABLE	REIMBURSABLE
AT&T	\$80,000.00	\$0.00
Total Non-Reimbursement Cost:	\$80,000.00	
Total Reimbursable Cost:	\$0.00	
Total Relocation Cost:	\$80,000	

All information pertaining to AT&T facilities was provided by Clay Johnson.

If you have any questions, please contact James F. Hobby, Jr. at 478-552-4637.

LB/JFH

C: Jeff Baker, State Utilities Engineer
Angela Whitworth, Office of Financial Management
Robert Moon, Assist. Area Engineer
Jamie Lindsey, District Design Engineer

**GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY**

Date: 08/03/2011
Revised:

Project: STP-161-1(16)
County: Jasper County
PI: 231730

Description: SR 83 Passing Lanes
Project Termini: Two Passing Lanes SR 83

Existing ROW: Varies
Required ROW: Varies

Parcels: 10

Land and Improvements _____ **\$188,910.00**

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$30,000.00

Valuation Services _____ \$25,000.00

Legal Services _____ \$81,750.00

Relocation _____ \$20,000.00

Demolition _____ \$0.00

Administrative _____ \$87,500.00

TOTAL ESTIMATED COSTS _____ **\$403,160.00**

TOTAL ESTIMATED COSTS (ROUNDED) _____ **\$404,000.00**

Preparation Credits	Hours	Signature

Prepared By: Lashone Alexander CG#: _____ (DATE) _____
 Approved By: Lashone Alexander CG#: 286999 8/3/2011

NOTE: No Market Appreciation is Included in this Preliminary Cost Estimate

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

STP-161-1(16)

Jasper County

231730

	A	B	C	D
Land and Improvements	Agriculture	Residential	Commercial	Industrial
1 Estimate Low (ac)	\$0.00	\$5,000.00	\$0.00	\$0.00
2 Estimate High (ac)	\$0.00	\$15,000.00	\$0.00	\$0.00
3 Estimate Used (ac)	\$0.00	\$6,000.00	\$0.00	\$0.00
4 Fee Simple Area (ac)	0.00	14.92	0.00	0.00
5 Fee Simple Estimate	\$0.00	\$89,520.00	\$0.00	\$0.00
6 Perm Esmt Area (ac)	0.00	2.14	0.00	0.00
7 Perm Esmt Factor	0%	50%	0%	0%
8 Perm Esmt Estimate	\$0.00	\$6,420.00	\$0.00	\$0.00
9 Temp Esmt Area (ac)	0.00	0.00	0.00	0.00
10 Temp Esmt Factor	0%	0%	0%	0%
11 Temp Esmt Estimate	\$0.00	\$0.00	\$0.00	\$0.00
12 Proximity Damages	\$0.00	\$0.00	\$0.00	\$0.00
13 Consequential Damages	\$0.00	\$0.00	\$0.00	\$0.00
14 Cost to Cures	\$0.00	\$0.00	\$0.00	\$0.00
15 Improvements	\$0.00	\$30,000.00	\$0.00	\$0.00
16 Trade Fixtures	\$0.00	\$0.00	\$0.00	\$0.00
17				
18 PROPERTY TYPE TOTALS	\$0.00	\$125,940.00	\$0.00	\$0.00
19	SUB TOTAL PROPERTY TYPES			\$125,940.00
20	Counter Offers and Condemnation Increases			\$62,970.00
21				
22	GRAND TOTAL LANDS AND IMPROVEMENTS			\$188,910.00

**Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet**

Project/County/PI

STP-161-1(16)

Jasper County

231730

	A	B	C	D
Valuation Services	Agriculture	Residential	Commercial	Industrial
1 Appraisals (# of Parcels)	0	10	0	0
2 Estimated Fees (per Parcel)	\$0.00	\$2,000.00	\$0.00	\$0.00
3 TOTAL APPRAISALS	\$0.00	\$20,000.00	\$0.00	\$0.00
4 Sign Estimates	0	0	0	0
5 Estimated Fees	\$0.00	\$0.00	\$0.00	\$0.00
6 TOTAL SIGN ESTIMATES	\$0.00	\$0.00	\$0.00	\$0.00
7 Specialty Reports	0	0	0	0
8 Estimated Fees	\$0.00	\$0.00	\$0.00	\$0.00
9 TOTAL SPECIALTY REPORTS	\$0.00	\$0.00	\$0.00	\$0.00
10 Septic/Well Reports	0	0	0	0
11 Estimated Fees	\$0.00	\$0.00	\$0.00	\$0.00
12 TOTAL SEPTIC/WELL REPORTS	\$0.00	\$0.00	\$0.00	\$0.00
13				
14				
15				
16 TOTAL VALUATION FEES	\$0.00	\$20,000.00	\$0.00	\$0.00
17	SUB TOTAL VALUATION SERVICES			\$20,000.00
18	Updates and Incidentals (Min \$2,500 or 25%)			\$5,000.00
19	GRAND TOTAL VALUATION SERVICES			\$25,000.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

STP-161-1(16)

Jasper County

231730

	A	B	C	D
Legal Services	Parcels	Estimated Fees		TOTALS
1 Meeting with Attorney	10	\$125.00		\$1,250.00
2 Preliminary Titles	10	\$200.00		\$2,000.00
3 Closing and Final Title	10	\$300.00		\$3,000.00
4 Recording Fees	10	\$50.00		\$500.00
5 Condemnation Filing	2	\$5,000.00		\$10,000.00
6 Litigation Costs	2	\$25,000.00		\$50,000.00
7 Updates and Incidentals	2	\$7,500.00		\$15,000.00
8				
9				
10				
11				
12				
13				
14				
15				
16				
17		GRAND TOTAL LEGAL SERVICES		\$81,750.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

STP-161-1(16)

Jasper County

231730

	A	B	C	D
Relocation	Displacements	Estimated Costs		TOTALS
1 Business Displacement		\$15,000.00		\$0.00
2 Residential Tenant		\$20,000.00		\$0.00
3 Residential Owner		\$40,000.00		\$0.00
4 Pro-Rata Taxes	10	\$1,000.00		\$10,000.00
5 Property Pin Replacement	10	\$1,000.00		\$10,000.00
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17		GRAND TOTAL RELOCATION		\$20,000.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

STP-161-1(16)

Jasper County

231730

	A	B	C	D
	Demolition	Items/Improvements	Estimated Costs	TOTALS
1	Residential Structures		\$15,000.00	\$0.00
2	Commercial Structures		\$25,000.00	\$0.00
3	Hotels/Apartments		\$60,000.00	\$0.00
4	UST's - Dispensers		\$50,000.00	\$0.00
5	Billboards		\$8,000.00	\$0.00
6	Signs - Light Standards		\$1,500.00	\$0.00
7	Water Vaults		\$15,000.00	\$0.00
8	Gas/Water Service Separation		\$2,500.00	\$0.00
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL DEMOLITION			\$0.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI

STP-161-1(16)

Jasper County

231730

	A	B	C	D
	Parcels	Man hours per Parcel		TOTALS
1	Administrative Pre-Acquisition	10	40	\$20,000.00
2	Acquisition	10	100	\$50,000.00
3	Relocation		50	\$0.00
4	Administrative Appeals	3	50	\$7,500.00
5	Post-Acquisition	2	100	\$10,000.00
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL INHOUSE			\$87,500.00

WETLANDS AND OPEN WATERS MITIGATION WORKSHEETS

ADVERSE IMPACT FACTORS

Factor	Options						
	Fill 2.0	Dredge 1.8	Impound 1.6	Drain 1.4	Flood 1.2	Clear 1.0	Shade 0.5
Dominant Effect	2.0	1.8	1.6	1.4	1.2	1.0	0.5
Duration of Effects	7+ years 2.0	5-7 years 1.5	3-5 years 1.0	1-3 years 0.5	< 1 year 0.1		
Existing Condition	Class 1 2.0	Class 2 1.5	Class 3 1.0	Class 4 0.5	Class 5 0.1		
Lost Kind	Kind A 2.0	Kind B 1.5	Kind C 1.0	Kind D 0.5	Kind E 0.1		
Preventability	High 2.0	Moderate 1.0	Low 0.5	None 0			
Rarity Ranking	Rare 2.0	Uncommon 0.5	Common 0.1				

† These factors are determined on a case-by-case basis.

REQUIRED MITIGATION CREDITS WORKSHEET

Factor	Flatwoods Fill	Flatwoods Clear				
Dominant Effect	2.0	1.0				
Duration of Effect	2.0	0.5				
Existing Condition	2.0	2.0				
Lost Kind	1.5	1.5				
Preventability	0.5	0.5				
Rarity Ranking	2.0	2.0				
Sum of r Factors	10.0	7.5				
Impacted Area	0.320	0.206				
R × AA =	3.200	1.545				

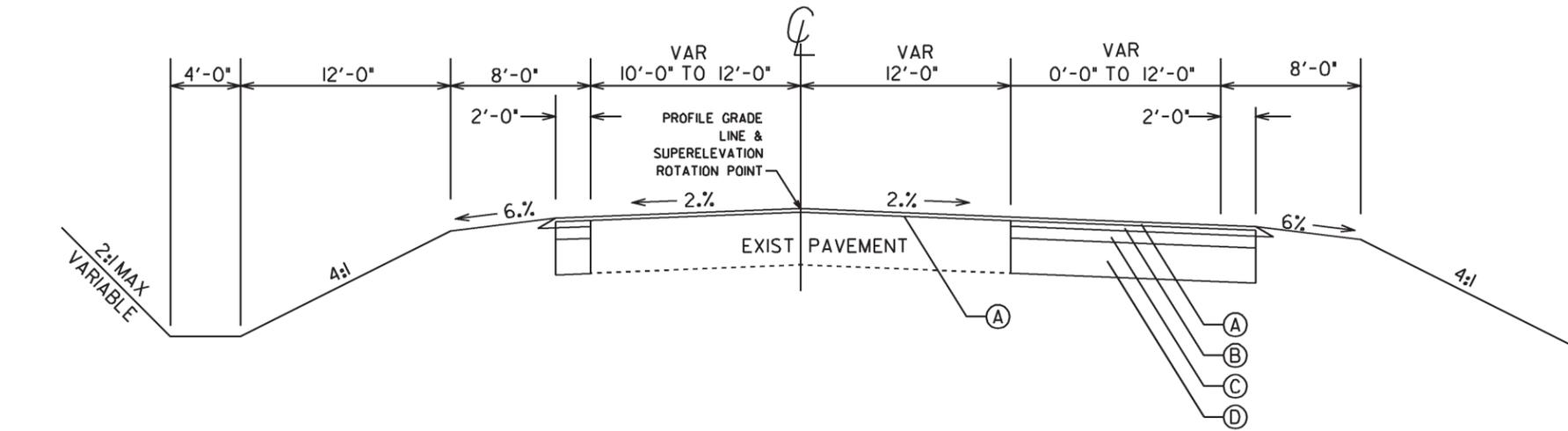
Total Required Credits = $\sum (R \times AA) =$

4.745

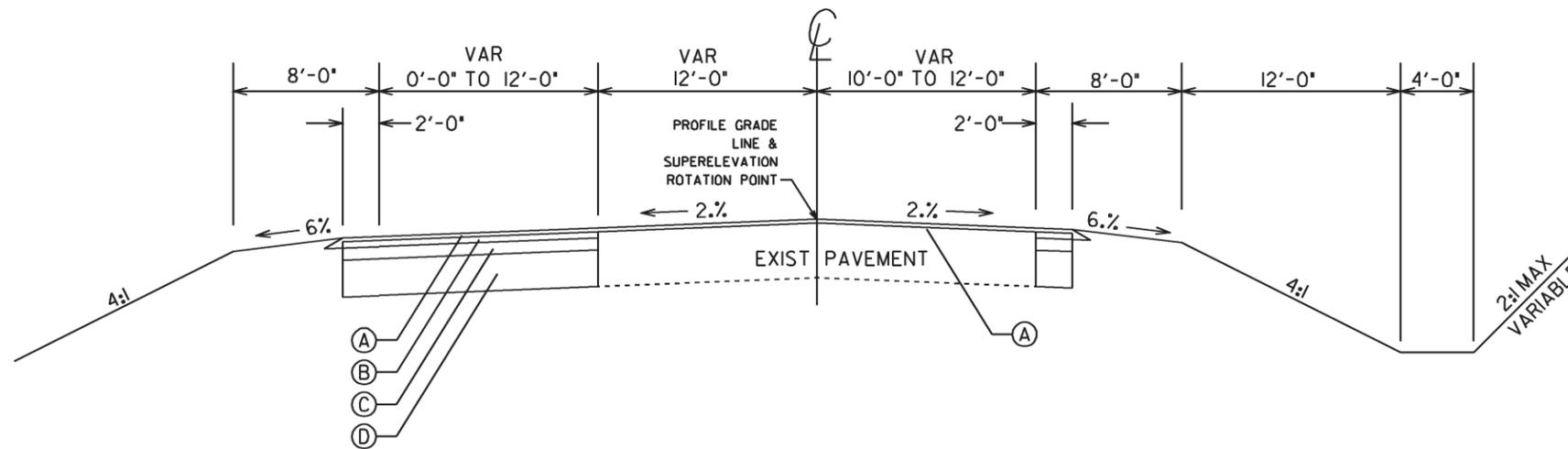
Mitigation Credits	Cost Per Credit	Total Cost
4.745	18,000	85410

3/13/2012 sbush	Tue Mar 13 15:41:40 2012 \\gdot-dsn\gocfg\resources\gdot2007_klp.tbl	G:_Projects\231730TY01.dgn	STATE GA	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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STATE ROUTE 83



PASSING LANE #4



PASSING LANE #2

REQUIRED PAVEMENT:

- (A) 135 LBS/SQ.YD. RECYCLED ASPHALTIC CONC.9.5 mm SUPERPAVE, TYPE II, BLEND I,INCL BITUM MATL & H LIME
- (B) 220 LBS/SQ.YD. RECYCLED ASPHALTIC CONC 19 mm SUPERPAVE, GP I OR 2,INCL BITUM MATL & H LIME
- (C) 440 LBS/SQ.YD. RECYCLED ASPHALTIC CONC 25 mm SUPERPAVE, GP I OR 2,INCL BITUM MATL & H LIME
- (D) GRADED AGGREGATE BASE, 12"

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE:
TYPICAL SECTIONS

DRAWING No.
5-01