

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 621595-
STP00-0065-03(056)
Pickens County
GDOT District 6 - Cartersville
SR 53 Eastbound Passing Lane from East
of CR 36 to East of Steve Tate Road

OFFICE Design Policy & Support

DATE 11/18/2014

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:

Glenn Bowman, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Hiral Patel, State Environmental Administrator
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Mike Bolden, State Utilities Engineer
Richard Cobb, Statewide Location Bureau
Andy Casey, State Roadway Design Engineer
Attn: David Ray, District Design Engineer
DeWayne Comer, District Engineer
Mike Haithcock, District Preconstruction Engineer
Kerry Bonner, District Utilities Engineer
Lenora Leigh, Project Manager
BOARD MEMBER - 9th Congressional District

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

Project Type: Passing Lane
GDOT District: 6
Federal Route Number: N/A
Project Number: STP00-0065-03(056)

P.I. Number: 621595
County: Pickens
State Route Number: 53

Eastbound passing lane from milepost 26.27 to 27.47.

Submitted for approval:

David W. Taylor 2/26/14
GDOT Concept/Design Phase Office Head & Office Date

Albert Shelby 3/4/14
State Program Delivery Engineer Date

Beigh 2/26/14
GDOT Project Manager Date

Recommendation for approval:

HIRAZ PATEL*/EKP 3/11/14
State Environmental Administrator Date

KATHY ZAHUL*/EKP 3/17/14
State Traffic Engineer Date

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).

CINDY VANDYKE*/EKP 3/13/14
State Transportation Planning Administrator Date

** - RECOMMENDATION ON FILE*

PLANNING, APPROVED CONCEPT, & BACKGROUND DATA

Project Justification Statement:

The proposed project was programmed in 1999 at the request of the Director of Planning and Programming. The entire project lies within Pickens County and is in the FY 2013-2016 STIP. This project is located along SR 53 east of the City of Jasper and west of the Dawson County line. Currently SR 53 in the area of the project is a two lane route that is functionally classified as a rural principal arterial and is not listed as a designated bike route in the Statewide Bicycle Plan.

Design traffic is not currently available, therefore based upon existing traffic information obtained from the GDOT State Traffic and Report Statistics (STARS) program, the 2012 Average Annual Daily Traffic (AADT) on SR 53 along the project corridor is 3,780 AADT. The corridor currently operates at a Level of Service (LOS) B. Assuming a 1.5% annual growth rate, the future year (2037) daily traffic volumes on this route are projected to increase to approximately 5,480 (LOS C). LOS C is considered an acceptable level-of-service (LOS), which is outlined as a performance measure in the current Statewide Transportation Plan.

Analysis of the latest available crash data (2007-2009) for this section of SR 53 indicated that the crash rate exceeded the statewide average for all three years (2007-2009) and the injury rate exceeded all three years for similarly functionally classified facilities. The SR 53 facility did not exceed the statewide average for fatality rate in any of the three years reviewed. There were a total of 27 crashes from 2007 to 2009 with 5 being angles crashes, 18 were not a collision with a vehicle, 3 were rear end crashes and 1 was a sideswipe.

The eastern project limit for PI 621595 is currently at Steve Tate Road, where there is some small commercial development, and the western terminus is currently at Old Mill White Road. In this section there is some rolling terrain and only minimum passing opportunities. The section of roadway east of Old Mill White Road provides access to several marble/processing facilities and passing lanes are already provided in this section of SR 53. At these locations the project has independent utility and has no significant adverse effects on the operational conditions of SR 53 corridor beyond the boundaries of this passing lane project. This project addresses immediate operational needs along SR 53.

A need exists to lessen crash frequency and severity within the project corridor. Final determination of logical termini will be determined as the Office of Environmental Services develops the environmental document.

Description of the approved concept: Eastbound passing lanes on SR 53 east of Tate from MP 24.75 to MP 25.75 and from MP 27.0 to MP 28.8.

PDP Classification: Major Minor

Federal Oversight: Full Oversight Exempt State Funded Other

Projected Traffic as shown in the approved Concept Report: *ADT or AADT*

Open Year (2005): 5,000

Design Year (2025): 10,000

Updated Traffic: ADT

Open Year (2018): 5,050

Design Year (2038): 6,250

Functional Classification (Mainline): Rural Principal Arterial

VE Study anticipated: No Yes Completed – Date:

PROPOSED REVISIONS

Approved Features:	Proposed Features:
<ul style="list-style-type: none">• Typical Section: Three 12-ft. lanes with eight ft. shoulders.• Project Termini: Two sites from (MP 25.72) east of CR 36/Old Mill White Rd. to (MP 28.43) east of CR 294/Steve Tate Rd.	<ul style="list-style-type: none">• Typical Section: Three 12-ft. lanes with ten ft. shoulders.• Project Termini: One site from (MP 26.27) near CR 50/Four Mile Church Rd. to (MP 27.47) west of CR 46/Wilkie Rd.
<p>Reason(s) for change: Project is being shortened to one site due to high cost of construction of walls necessary for slope stability between milepost 25.50 and milepost 26.14. The portion of project retained is 1.2 miles long and the lowest cost to construct section of roadway.</p>	

ENVIRONMENTAL

Project 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
Is a Carbon Monoxide hotspot analysis required? No Yes

Potential environmental impacts of proposed revision: The proposed revision will reduce impact to the historical boundary located west of CR 38/Four Mile Church Road at approximate milepost 26.28. The impact to the stream buffer located south of SR 53 at approximate milepost 27.20 will be unchanged.

Have proposed revisions been reviewed by environmental staff? No Yes

Environmental responsibilities (Studies/Documents/Permits): GDOT

Environmental impacts by section:

NEPA: yes

Ecology: A study to assess bat population has been requested.

Archeology: No archeology impacts have been identified.

History: Historic resources have been identified on parcel 2; right of way will be required, but will not impact structures.

Air & Noise: not required

Public Involvement: No *NONE ANTICIPATED* *EXP*

PROJECT COST & ADDITIONAL INFORMATION

Updated Cost Estimate		Date of Estimate
Base Construction Cost:	\$1,881,820.37	4/14/2014
Engineering and Inspection:	\$94,091.02	4/14/2014
Liquid AC Adjustment:	\$224,379.51	4/14/2014
<u>Total Construction Cost:</u>	<i>#2,200,290.90</i> <i>CF</i>	
Right-of-Way:	\$2,018,000.00	1/13/2014
Utilities (reimbursable costs):	\$210,000.00	1/10/2014
Environmental Mitigation:		
TOTAL PROJECT COST:	\$4,428,290.09	

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Comments: Passing lane is needed due to limited passing opportunities of slow trucks leaving Huber Engineered Materials plant west of site.

Attachments:

1. Sketch map
2. Typical Sections
3. Cost Estimate(s)
4. Conforming plan's network schematics showing thru lanes
5. Accident Summary Table
6. Traffic diagrams

APPROVALS

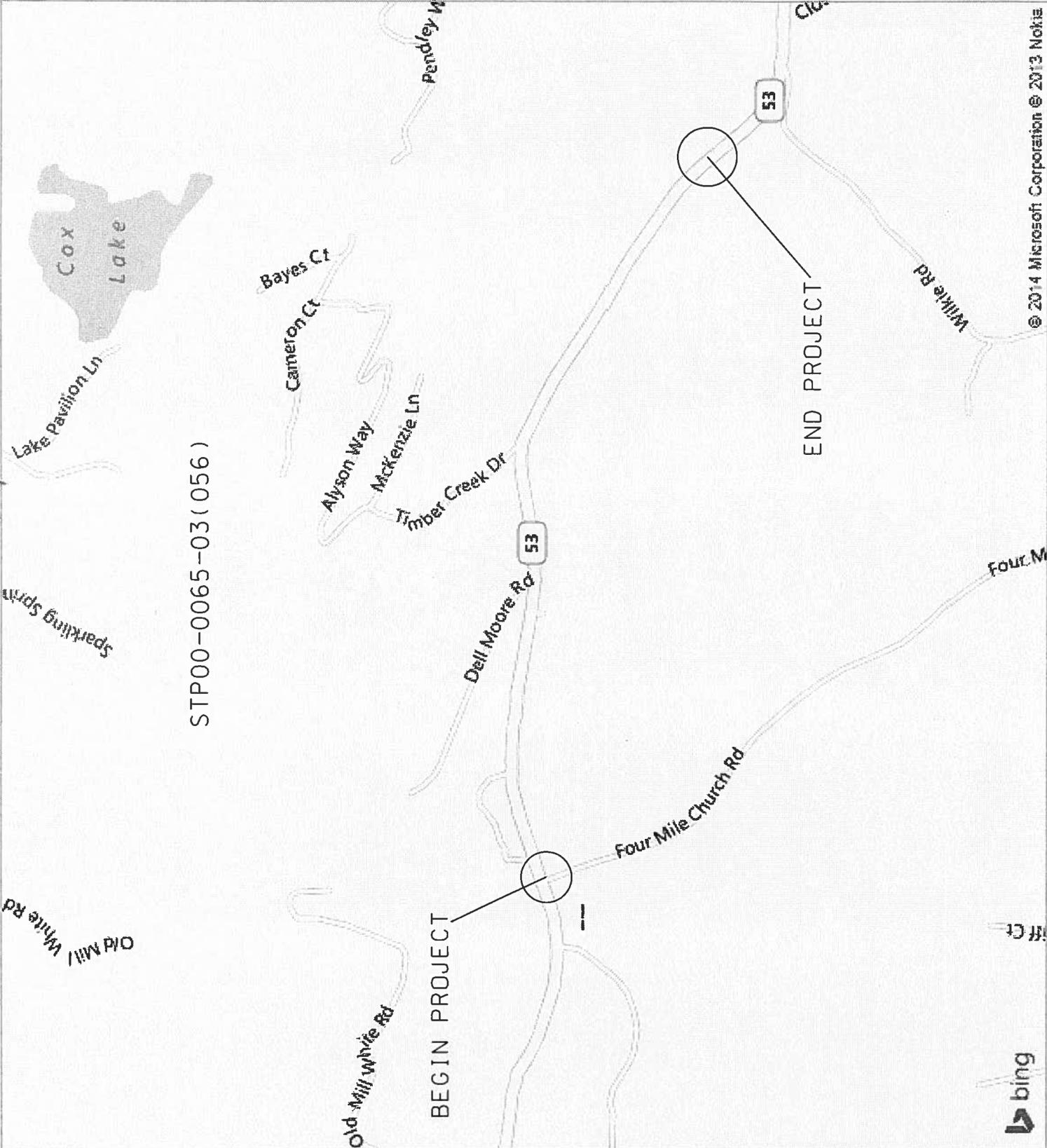
Concur: *Alan Bonner*
 Director of Engineering

Approve: *Alle R. M. M.*
 Chief Engineer

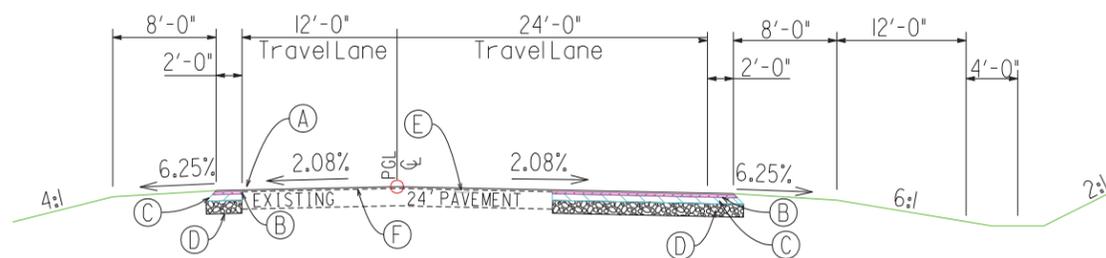
11/9/14
 Date

Sketch map

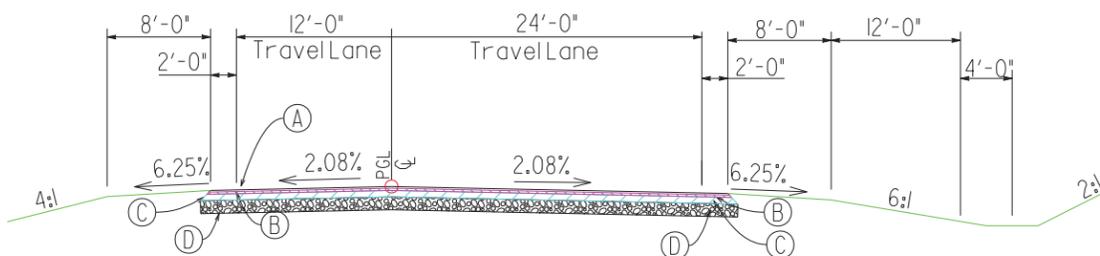
STP00-0065-03(056)



TYPICAL SECTION 1
 SR 53/SAM TATE HWY
 STA 1387+17 TO STA 1396+92
 STA 1402+29 TO STA 1417+06
 STA 1421+59 TO STA 1429+31
 STA 1435+35 TO STA 1450+50



TYPICAL SECTION 2
 SR 53/SAM TATE HWY
 STA 1396+92 TO STA 1402+29
 STA 1417+06 TO STA 1421+59
 STA 1429+31 TO STA 1435+35



SR 53
 SUPERPAVE MIX DESIGN LEVEL C

- (A) RECYC ASPH CONC SUPERPAVE 12.5 mm, GP 2 ONLY, INCL BITUM MATL & H LIME (135 LB/SY)
- (B) RECYC ASPH CONC SUPERPAVE 19 mm, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
- (C) RECYC ASPH CONC SUPERPAVE 25 mm, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
- (D) 12" GRADED AGGREGATE BASE COURSE, INCL MATL
- (E) RECYC ASPH CONC LEVELING, INCL BIT MATL & H LIME
- (F) MILLING, 1 1/4" DEPTH

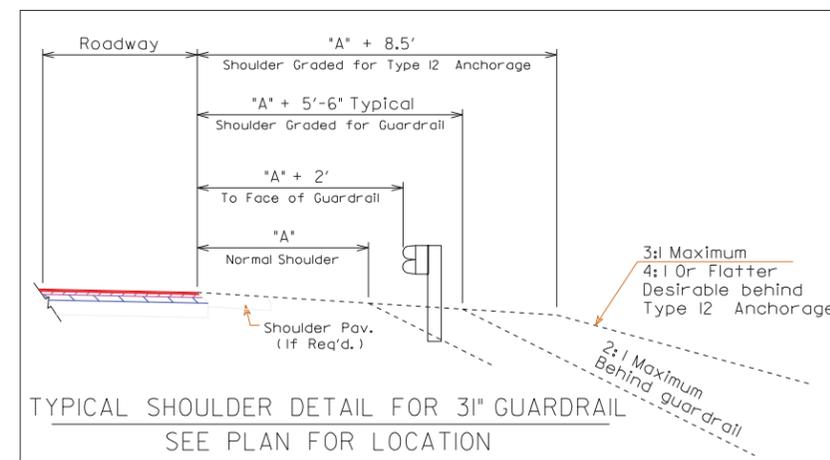
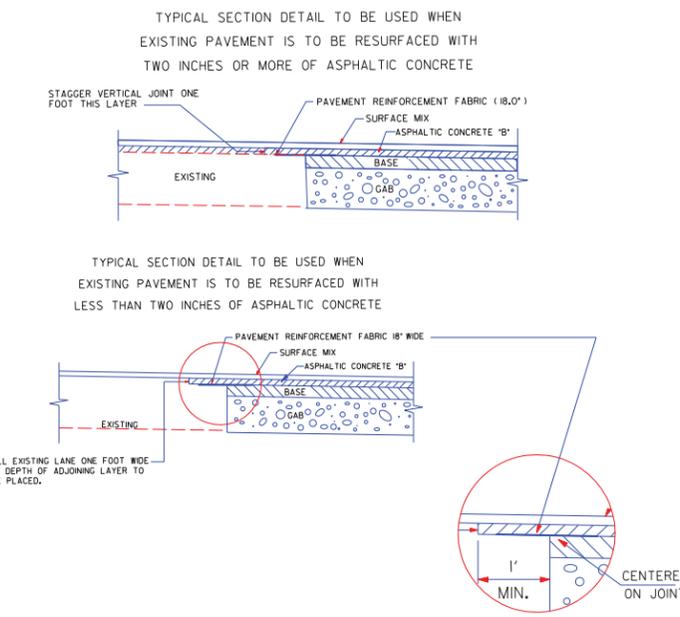
S.E. RATE	shoulder slope
2.0% OR 3.0%	4.0%
4.0% OR 5.0%	2.0%
6.0% OR 7.0%	1.0%
8.0% +	0.0%

SLOPE CONTROLS	
SLOPE	FILL
4:1	0'-6'
2:1	OVER 6'

NOTE: SLOPES MAY BE ADJUSTED BY THE ENGINEER TO STAY WITHIN THE RIGHT OF WAY OR EASEMENTS.

DETAIL A

PAVEMENT REINFORCEMENT FABRIC



REMOVE EXISTING PAVED SHOULDER

GEORGIA
 DEPARTMENT
 OF
 TRANSPORTATION

NO SCALE

REVISION DATES

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: DISTRICT 6 ROAD DESIGN
 TYPICAL SECTIONS

DRAWING No.
 5-01

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. **OFFICE**

PROJECT DESCRIPTION

DATE

From: *Albert Shelby*

To: Lisa L. Myers, State Project Review Engineer *ASA*
(BY)

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER

MGMT LET DATE

MGMT ROW DATE

PROGRAMMED COSTS (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$

DATE

RIGHT OF WAY \$

DATE

UTILITIES \$

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$

RIGHT OF WAY \$

UTILITIES \$

*Cost Contains % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	1,888,689.39	Base Estimate From CES
B. ENGINEERING AND INSPECTION (E & I):	\$	94,434.47	Base Estimate (A) x 5 %
C. CONTINGENCY:	\$	396,624.77	Base Estimate (A) + E & I (B) x 20 % <u>See % Table in "Risk Based Cost Estimation" Memo</u>
D. TOTAL LIQUID AC ADJUSTMENT:	\$	224,379.51	Total From Liquid AC Spreadsheet
E. CONSTRUCTION TOTAL:	\$	2,604,128.14	(A + B + C + D = E)

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
Amicalola EMC	\$ 210,000.00
Atlanta Gas Light Co.	\$ -
TDS Telecom	\$ -
Pickens County Water	\$ -
TOTAL	\$ 210,000.00

ATTACHMENTS:

Detailed Cost Estimate Printout From TRAQS
Liquid AC Adjustment Spreadsheet

PROJ. NO. STP00-0065-03(056)
 P.I. NO. 621595-
 DATE 4/14/2014

CALL NO. 9/29/2009

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Jan-14	\$ 3.450
DIESEL		\$ 3.930
LIQUID AC		\$ 563.00

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

LIQUID AC ADJUSTMENTS

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

Asphalt							
Price Adjustment (PA)						220752.3	\$ 220,752.30
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	900.80			
Monthly Asphalt Cement Price month project let (APL)			\$	563.00			
Total Monthly Tonnage of asphalt cement (TMT)						653.5	

ASPHALT	Tons	%AC	AC ton
Leveling	335	5.0%	16.75
12.5 OGFC	0	5.0%	0
12.5 mm	2820	5.0%	141
9.5 mm SP	0	5.0%	0
25 mm SP	6465	5.0%	323.25
19 mm SP	3450	5.0%	172.5
13070			653.5

BITUMINOUS TACK COAT

Price Adjustment (PA)				\$ 3,627.21	\$ 3,627.21
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	900.80	
Monthly Asphalt Cement Price month project let (APL)			\$	563.00	
Total Monthly Tonnage of asphalt cement (TMT)					10.7377523

Bitum Tack

Gals	gals/ton	tons
2500	232.8234	10.7377523

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				0	\$ -
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	900.80	
Monthly Asphalt Cement Price month project let (APL)			\$	563.00	
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 \$ 224,379.51

DETAILED COST ESTIMATE



Job: 621595PSLN

JOB NUMBER 621595PSLN

FED/STATE PROJECT NUMBER STP00-0065-03(056)

SPEC YEAR: 01

DESCRIPTION: SR 53 PASSING LANE

PICKENS CO. MP 26.27 TO 27.47

ITEMS FOR JOB 621595PSLN

1 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$15,000.00000	TRAFFIC CONTROL - STP00-0065-03(056)	\$15,000.00
0010	150-5010	5.000	EA	\$7,830.05453	TRAF CTRL,PORTABLE IMPACT ATTN	\$39,150.27
0015	153-1300	1.000	EA	\$67,072.98295	FIELD ENGINEERS OFFICE TP 3	\$67,072.98
0020	210-0100	1.000	LS	\$75,000.00000	GRADING COMPLETE - STP00-0065-03(056)	\$75,000.00
0025	310-1101	20100.000	TN	\$16.05335	GR AGGR BASE CRS, INCL MATL	\$322,672.34
0030	318-3000	50.000	TN	\$21.15375	AGGR SURF CRS	\$1,057.69
0035	402-1812	335.000	TN	\$75.42519	RECYL AC LEVELING,INC BM&HL	\$25,267.44
0040	402-3121	6465.000	TN	\$59.71284	RECYL AC 25MM SP,GP1/2,BM&HL	\$386,043.51
0045	402-3130	2820.000	TN	\$70.21043	RECYL AC 12.5MM SP,GP2,BM&HL	\$197,993.41
0050	402-3190	3450.000	TN	\$63.16795	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$217,929.43
0055	413-1000	2500.000	GL	\$2.06960	BITUM TACK COAT	\$5,174.00
0060	432-5010	100.000	SY	\$10.33122	MILL ASPH CONC PVMT,VARB DEPTH	\$1,033.12
0515	436-1000	500.000	LF	\$12.38858	ASPH CONC CURB - 5"	\$6,194.29
0095	444-1000	20.000	LF	\$5.55940	SAWED JTS IN EXIST PVMTS - PCC	\$111.19
0100	446-1100	6000.000	LF	\$3.28272	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	\$19,696.32
0115	500-3800	7.000	CY	\$899.78687	CL A CONC, INCL REINF STEEL	\$6,298.51
0120	500-9999	10.000	CY	\$177.82365	CL B CONC,BASE OR PVMT WIDEN	\$1,778.24
0225	573-2006	10000.000	LF	\$10.95228	UNDDR PIPE INCL DRAIN AGGR 6"	\$109,522.80
0125	600-0001	27.000	CY	\$238.30125	FLOWABLE FILL	\$6,434.13
0129	615-1000	106.000	LF	\$78.95848	JACK OR BORE PIPE - 36" DIA, 0.625" THK	\$8,369.60
0130	615-1000	192.000	LF	\$70.84824	JACK OR BORE PIPE - 30" DIA, 0.625" THK	\$13,602.86
0320	634-1200	50.000	EA	\$108.17234	RIGHT OF WAY MARKERS	\$5,408.62
0140	641-1200	2312.000	LF	\$15.50083	GUARDRAIL, TP W	\$35,837.92
0145	641-5001	8.000	EA	\$626.58372	GUARDRAIL ANCHORAGE, TP 1	\$5,012.67
0150	641-5001	8.000	EA	\$626.58372	GUARDRAIL ANCHORAGE, TP 1	\$5,012.67
SUBTOTAL FOR ROADWAY:						\$1,576,674.01

2 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0155	550-1180	364.000	LF	\$31.70513	STM DR PIPE 18",H 1-10	\$11,540.67
0160	550-1240	180.000	LF	\$39.45742	STM DR PIPE 24",H 1-10	\$7,102.34
0190	550-2180	200.000	LF	\$28.54180	SIDE DR PIPE 18",H 1-10	\$5,708.36
0195	550-3318	6.000	EA	\$554.88834	SAFETY END SECTION 18",STD,4:1	\$3,329.33
0200	550-3418	10.000	EA	\$494.17352	SAFETY END SECTION 18",SD,4:1	\$4,941.74
0205	550-4218	5.000	EA	\$498.09506	FLARED END SECT 18 IN, ST DR	\$2,490.48
0210	550-4224	2.000	EA	\$556.54708	FLARED END SECT 24 IN, ST DR	\$1,113.09
SUBTOTAL FOR DRAINAGE:						\$36,226.01

DETAILED COST ESTIMATE



Job: 621595PSLN

3 - WALLS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0275	621-4020	50.000	LF	\$346.36143	CONCRETE SIDE BARRIER, TY 2	\$17,318.07
SUBTOTAL FOR WALLS:						\$17,318.07

4 - SIGNING & MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0329	636-1020	120.000	SF	\$14.61679	HWY SGN,TP1MAT,REFL SH TP3	\$1,754.01
0328	636-1033	38.000	SF	\$21.21624	HWY SIGNS, TP1MAT,REFL SH TP 9	\$806.22
0319	636-2070	250.000	LF	\$8.20369	GALV STEEL POSTS, TP 7	\$2,050.92
0330	653-1704	76.000	LF	\$3.97096	THERM SOLID TRAF STRIPE,24",WH	\$301.79
0335	653-1804	240.000	LF	\$1.77868	THERM SOLID TRAF STRIPE, 8",WH	\$426.88
0340	653-2501	2.000	LM	\$1,281.94223	THERMO SOLID TRAF ST, 5 IN, WH	\$2,563.88
0345	653-2502	2.000	LM	\$1,281.20341	THERMO SOLID TRAF ST, 5 IN YE	\$2,562.41
0350	653-4501	1.000	GLM	\$785.52219	THERMO SKIP TRAF ST, 5 IN, WHI	\$785.52
0355	653-6004	92.000	SY	\$3.32911	THERM TRAF STRIPING, WHITE	\$306.28
0360	653-6006	1700.000	SY	\$2.69648	THERM TRAF STRIPING, YELLOW	\$4,584.02
0365	654-1001	300.000	EA	\$3.60313	RAISED PVMT MARKERS TP 1	\$1,080.94
0370	654-1003	140.000	EA	\$3.89510	RAISED PVMT MARKERS TP 3	\$545.31
SUBTOTAL FOR SIGNING & MARKING:						\$17,768.18

5 - TEMPORARY EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0375	163-0232	6.000	AC	\$203.72051	TEMPORARY GRASSING	\$1,222.32
0380	163-0240	210.000	TN	\$267.72767	MULCH	\$56,222.81
0385	163-0300	7.000	EA	\$1,376.56980	CONSTRUCTION EXIT	\$9,635.99
0390	163-0520	3100.000	LF	\$10.88180	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$33,733.58
0395	163-0527	82.000	EA	\$202.54837	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$16,608.97
0400	163-0528	6042.000	LF	\$2.26335	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$13,675.16
0405	163-0529	3070.000	LF	\$2.87765	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$8,834.39
0410	163-0531	1.000	EA	\$6,489.92222	CONSTR & REM SEDIMENT BASIN,TP 1,STA NO- DETERMINE LATER	\$6,489.92
0415	163-0541	6.000	EA	\$337.44491	CONSTR & REM ROCK FILTER DAMS	\$2,024.67
0420	165-0030	2720.000	LF	\$0.80429	MAINT OF TEMP SILT FENCE, TP C	\$2,187.67
0425	165-0041	4058.000	LF	\$0.84390	MAINT OF CHECK DAMS - ALL TYPES	\$3,424.55
0430	165-0060	1.000	EA	\$1,336.72778	MAINT OF TEMP SEDIMENT BASIN,STA NO -	\$1,336.73
0435	165-0071	1535.000	LF	\$0.88804	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$1,363.14
0440	165-0101	14.000	EA	\$475.89522	MAINT OF CONST EXIT	\$6,662.53
0445	165-0110	6.000	EA	\$152.17224	MAINT OF ROCK FILTER DAM	\$913.03
0450	167-1000	2.000	EA	\$460.67246	WATER QUALITY MONITORING AND SAMPLING	\$921.34
0455	167-1500	24.000	MO	\$294.83446	WATER QUALITY INSPECTIONS	\$7,076.03
0460	171-0030	5440.000	LF	\$2.39162	TEMPORARY SILT FENCE, TYPE C	\$13,010.41
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$185,343.24

DETAILED COST ESTIMATE



Job: 621595PSLN

6 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0465	603-2180	125.000	SY	\$35.31505	STN DUMPED RIP RAP, TP 3, 12"	\$4,414.38
0470	603-7000	125.000	SY	\$3.82412	PLASTIC FILTER FABRIC	\$478.02
0475	700-6910	12.000	AC	\$567.39910	PERMANENT GRASSING	\$6,808.79
0480	700-7000	31.000	TN	\$71.64562	AGRICULTURAL LIME	\$2,221.01
0485	700-8000	10.000	TN	\$410.31278	FERTILIZER MIXED GRADE	\$4,103.13
0490	700-8100	518.000	LB	\$1.72024	FERTILIZER NITROGEN CONTENT	\$891.08
0495	700-9300	10.000	SY	\$5.23855	SOD	\$52.39
0500	710-9000	960.000	SY	\$3.96641	PERM SOIL REINFORCING MAT	\$3,807.75
0505	713-0300	462.000	SY	\$2.05719	COCONUT FIBER BLANKET, WTRWAYS	\$950.42
0510	716-2000	38210.000	SY	\$0.82787	EROSION CONTROL MATS, SLOPES	\$31,632.91
SUBTOTAL FOR EROSION CONTROL:						\$55,359.88

TOTALS FOR JOB 621595PSLN

ITEMS COST:	\$1,888,689.39
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,888,689.39
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,983,123.86

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

Date: 1/13/2014 Project: STP00-0065-03(056)
 Revised: County: Pickens
 PI: 621595

Description: Right of Way of Proposed Eastbound Passing Lane State Route 53
 Project Termini:

Existing ROW:
 Parcels: 26 Required ROW: 12.26 acres

Land and Improvements \$1,104,510.00

Proximity Damage \$0.00

Consequential Damage \$0.00

Cost to Cures \$8,300.00

Trade Fixtures \$17,000.00

Improvements \$409,000.00

Valuation Services \$59,250.00

Legal Services \$167,550.00

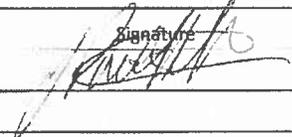
Relocation \$282,000.00

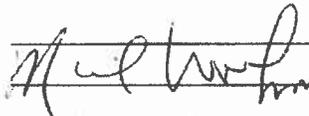
Demolition \$167,000.00

Administrative \$237,000.00

TOTAL ESTIMATED COSTS \$2,017,310.00

TOTAL ESTIMATED COSTS (ROUNDED) \$2,018,000.00

Preparation Credits	Hours	Signature
Paxton Hill	60	

Prepared By: _____ CG#: _____ (DATE) _____
 Approved By:  CG#: 3375 (DATE) 1/16/14

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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP00-0065-03(056), Pickens County OFFICE Cartersville
SR 53 Passing Lanes
P.I. No. 621595 DATE January 10, 2014

FROM  Kerry D. Bonner, District Utilities Engineer

TO Genetha Rice-Singleton, State Program Delivery Engineer

ATTN **Leonora Leigh**

SUBJECT UPDATED PRELIMINARY UTILITY COST ESTIMATE

We are furnishing you with an Updated Preliminary Utility Cost estimate for each utility with facilities potentially located within the project limits.

FACILITY OWNER	NON- REIMBURSABLE	REIMBURSABLE
Amicalola EMC		\$210,000.00
Atlanta Gas Light Co.	\$ 533,600.00	
TDS Telecom	\$ 130,019.00	
*Pickens County Water	\$ 344,000.00	
Totals	\$1,007,619.00	\$210,000.00

The total cost for the above project is \$1,217,619.00.

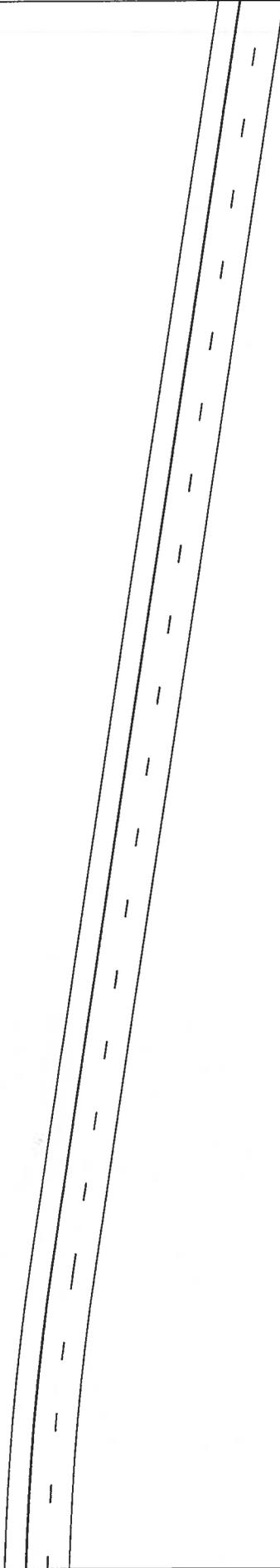
*The reimbursable amount may increase to \$554,000.00 if Pickens County Water was to apply for and is granted utility assistance for the relocation of their facilities.

If you have any questions, please contact Stanley McCarley at 678-721-5324.

KLS/KDB/sm

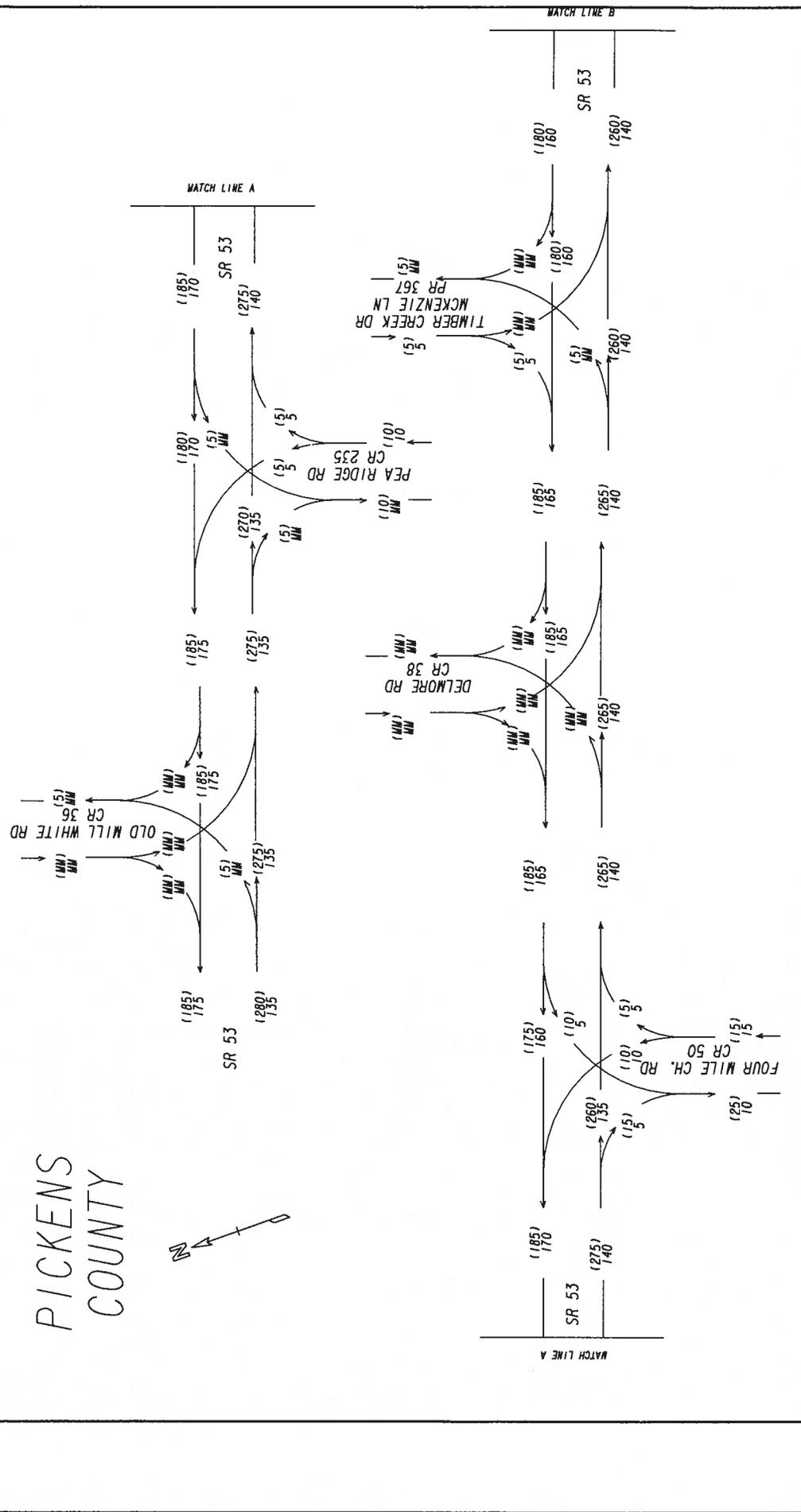
C: Mike Bolden, State Utilities Engineer
Angela Robinson, Office of Financial Management
File/Estimating Book

621595
TRAFFIC SCHEMATIC

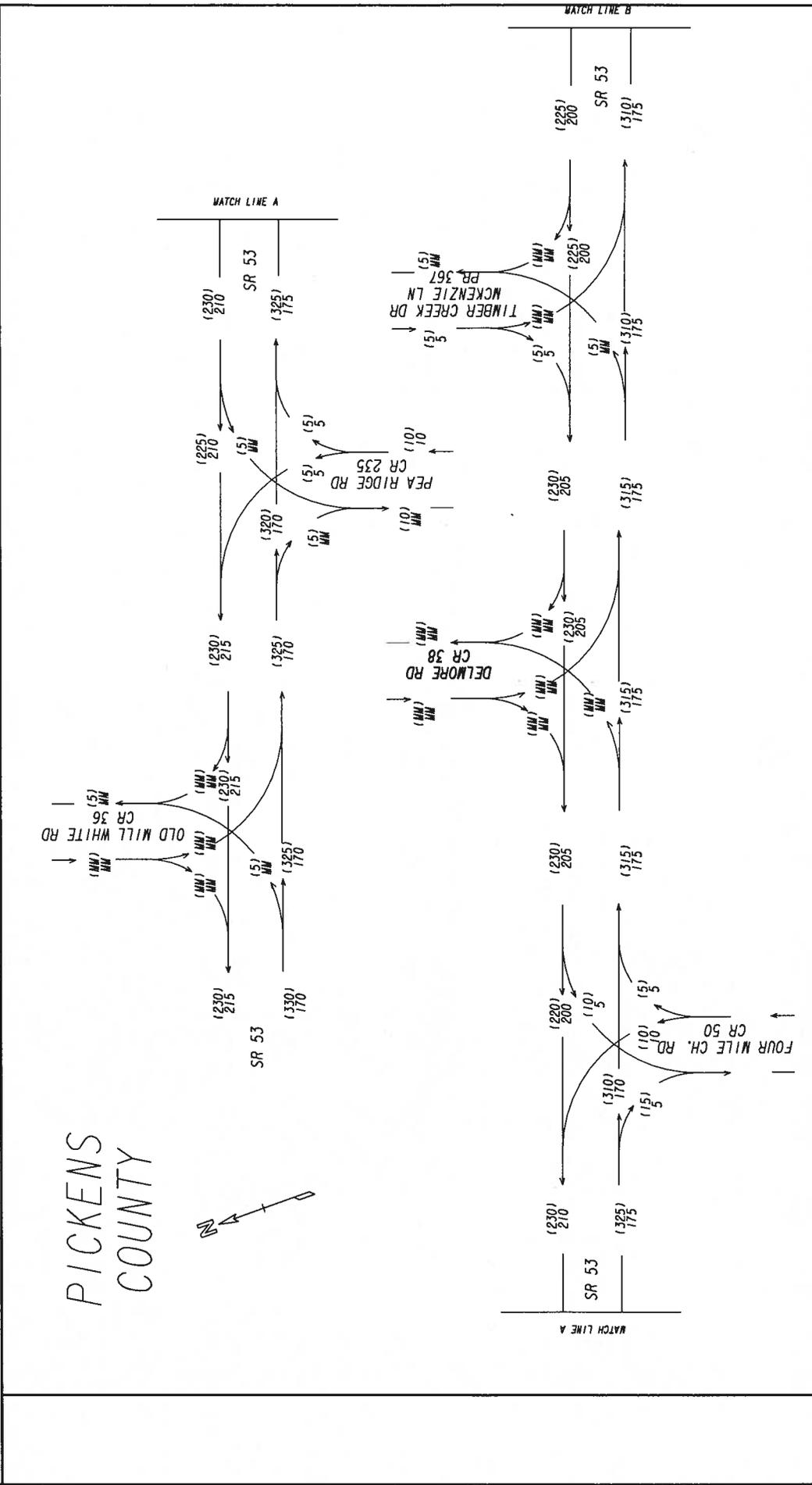


Accident No	Date	Time	County	Route Type	Route	Milelog
'30690719	3/31/2003	9:49 AM	Pickens	State Route	'005300	26.04
'31160582	6/7/2003	2:40 PM	Pickens	State Route	'005300	26.58
'30640285	1/22/2003	10:44 AM	Pickens	State Route	'005300	26.77
'30720770	4/12/2003	10:33 AM	Pickens	State Route	'005300	26.77
'30600057	2/6/2003	9:23 PM	Pickens	State Route	'005300	27.69
'31620553	8/17/2003	4:41 PM	Pickens	State Route	'005300	27.79
'32860441	11/5/2003	5:31 PM	Pickens	State Route	'005300	27.94
'33870376	10/13/2003	8:18 AM	Pickens	State Route	'005300	28.17
'42030592	6/24/2004	6:39 PM	Pickens	State Route	'005300	25.96
'44840665	12/30/2004	12:54 PM	Pickens	State Route	'005300	26.15
'40660516	2/29/2004	4:36 AM	Pickens	State Route	'005300	26.55
'44430847	11/27/2004	6:50 PM	Pickens	State Route	'005300	27.45
'41060253	1/20/2004	10:04 AM	Pickens	State Route	'005300	27.59
'41730600	5/17/2004	6:52 PM	Pickens	State Route	'005300	27.94
'41210068	2/19/2004	12:20 PM	Pickens	State Route	'005300	27.94
'43560117	9/1/2004	6:18 PM	Pickens	State Route	'005300	28.11
'43160383	7/26/2004	9:46 PM	Pickens	State Route	'005300	28.16
'44780606	12/16/2004	6:15 AM	Pickens	State Route	'005300	28.17
'52310050	6/1/2005	8:15 AM	Pickens	State Route	'005300	26.04
'50210564	1/15/2005	10:06 PM	Pickens	State Route	'005300	26.13
'50210565	1/15/2005	9:47 PM	Pickens	State Route	'005300	26.33
'55000482	12/6/2005	8:27 AM	Pickens	State Route	'005300	26.39
'51600441	4/28/2005	9:11 AM	Pickens	State Route	'005300	26.43
'51420549	4/22/2005	2:24 PM	Pickens	State Route	'005300	26.83
'51170646	3/1/2005	5:41 AM	Pickens	State Route	'005300	27.67
'52600447	6/2/2005	2:32 PM	Pickens	State Route	'005300	27.91
'54380611	11/1/2005	6:12 PM	Pickens	State Route	'005300	28.16
'52760449	7/15/2005	1:10 PM	Pickens	State Route	'005300	28.17
'51130151	3/15/2005	12:58 AM	Pickens	State Route	'005300	28.18
'50650092	2/16/2005	6:41 PM	Pickens	State Route	'005300	28.18
'54820160	12/2/2005	11:27 AM	Pickens	State Route	'005300	28.26

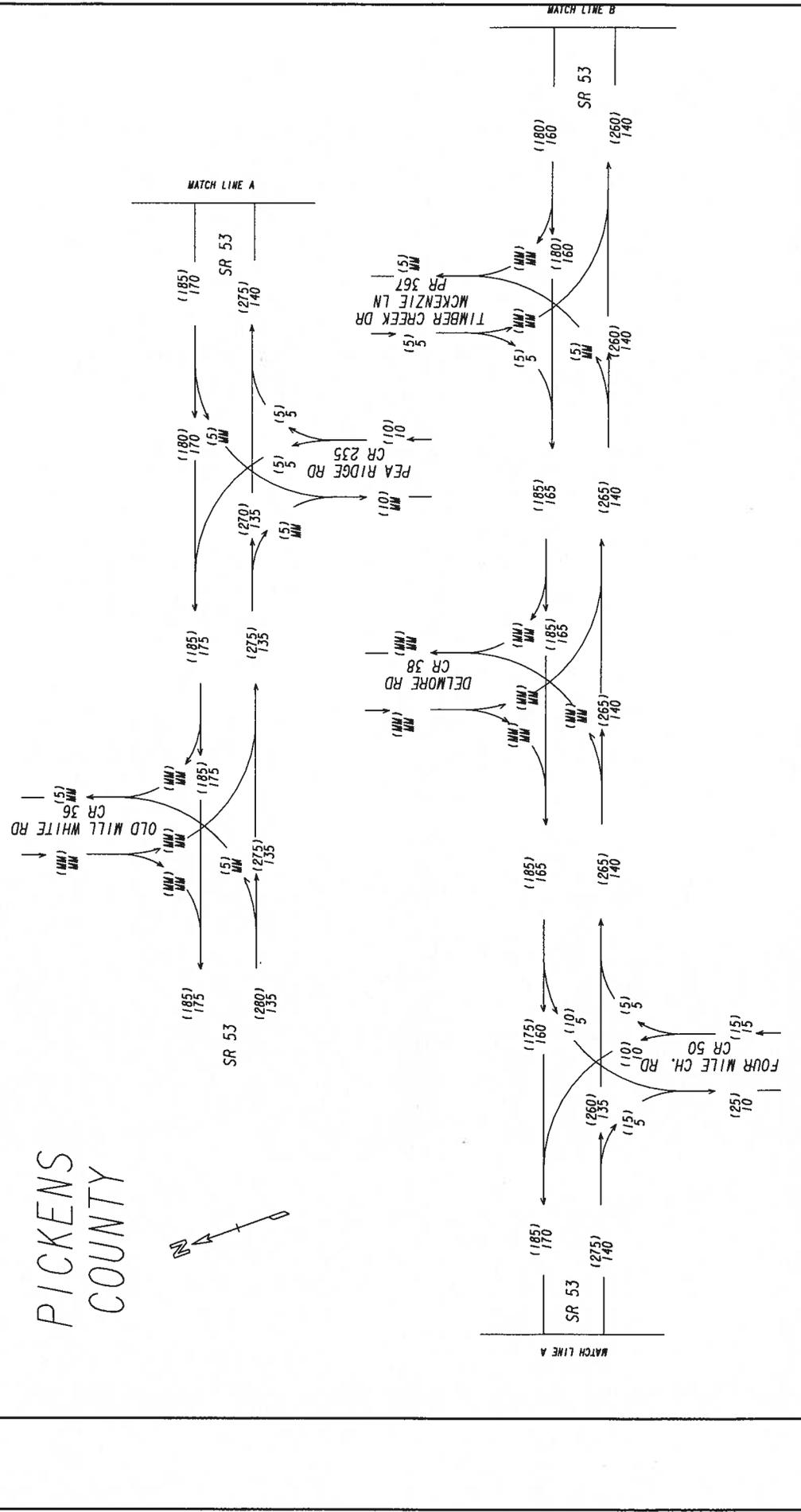
Collision	Location of Impact	Light	Surface	DirVeh1
Angle	On Roadway	Daylight	Dry	W
Not A Collision With A Motor Vehicle	Off Roadway	Daylight	Wet	E
Not A Collision With A Motor Vehicle	Off Roadway	Daylight	Wet	W
Not A Collision With A Motor Vehicle	Off Roadway	Daylight	Dry	W
Not A Collision With A Motor Vehicle	Off Roadway	Dark-Not Lighted	Wet	E
Rear End	On Roadway	Daylight	Dry	W
Angle	On Roadway	Dusk	Wet	S
Rear End	On Roadway	Daylight	Dry	S
Not A Collision With A Motor Vehicle	Off Roadway	Daylight	Wet	W
Rear End	On Roadway	Daylight	Wet	E
Not A Collision With A Motor Vehicle	On Roadway	Dark-Not Lighted	Dry	E
Not A Collision With A Motor Vehicle	Off Roadway	Dark-Not Lighted	Wet	E
Angle	On Roadway	Daylight	Dry	N
Sideswipe - Same Direction	On Roadway	Daylight	Dry	W
Angle	Off Roadway	Daylight	Dry	E
Head On	On Roadway	Daylight	Dry	E
Not A Collision With A Motor Vehicle	On Shoulder	Dark-Not Lighted	Wet	E
Rear End	On Roadway	Dark-Not Lighted	Dry	S
Rear End	Gore	Daylight	Wet	W
Head On	On Roadway	Dark-Not Lighted	Dry	N
Not A Collision With A Motor Vehicle	Off Roadway	Dark-Not Lighted	Dry	E
Rear End	On Roadway	Daylight	Dry	W
Rear End	On Roadway	Daylight	Dry	W
Not A Collision With A Motor Vehicle	Off Roadway	Daylight	Wet	W
Not A Collision With A Motor Vehicle	Off Roadway	Dark-Not Lighted	Icy	E
Angle	On Roadway	Daylight	Dry	E
Angle	On Roadway	Dark-Lighted	Dry	N
Rear End	On Roadway	Daylight	Dry	S
Not A Collision With A Motor Vehicle	Off Roadway	Dark-Not Lighted	Dry	W
Head On	On Roadway	Dark-Not Lighted	Dry	E
Head On	On Roadway	Daylight	Dry	W



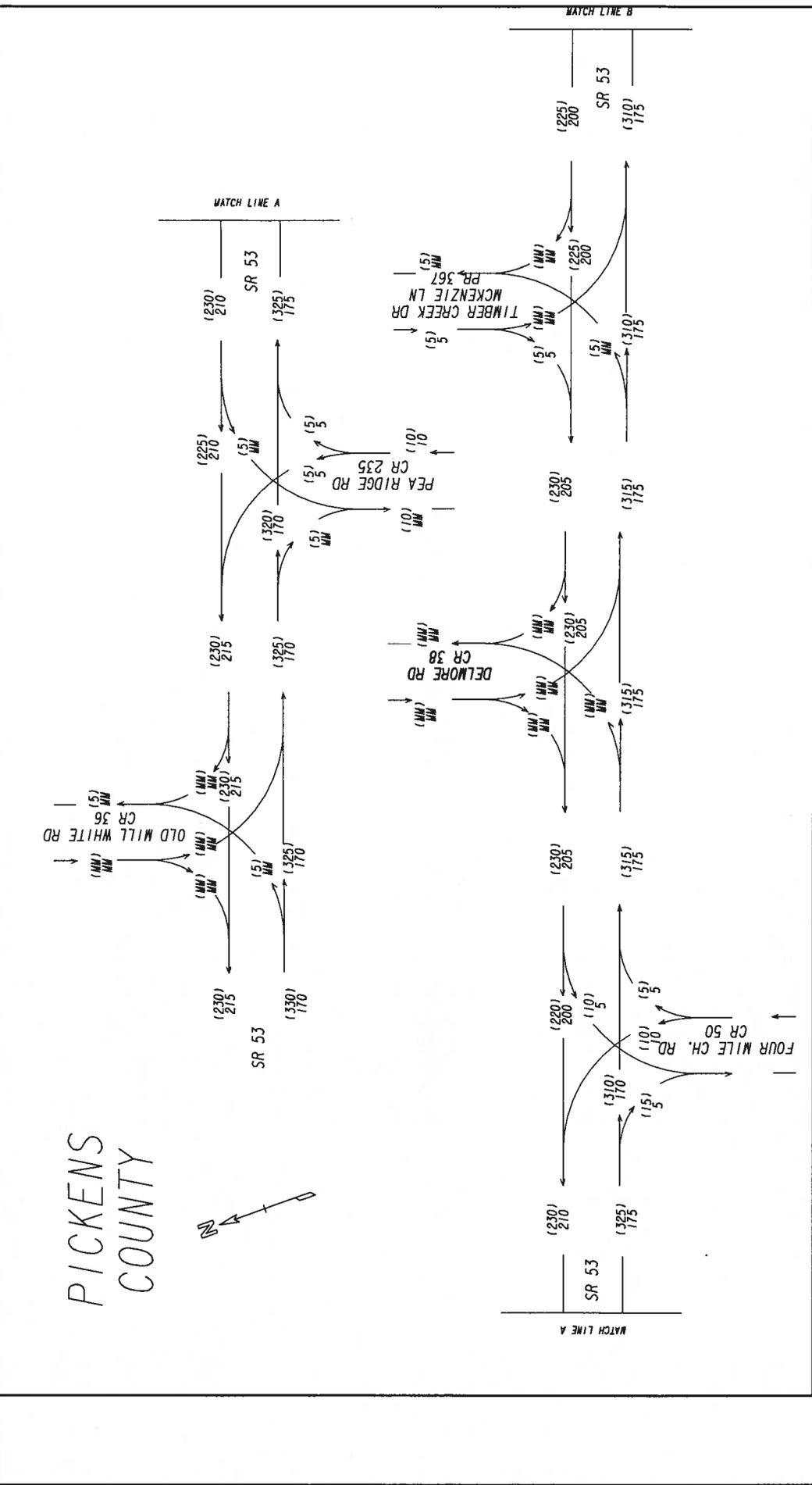
PI 621595 PICKENS COUNTY SR 53 FM E OF CR 36/ OLD MILL RD TO E OF STEVE TATE RD.	GEORGIA DEPARTMENT OF TRANSPORTATION	T • 11.5% SU • 6% COMB • 5.5%	REVISION DATES
			STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: PLANNING TRAFFIC DIAGRAM



PI# 621595 PICKENS COUNTY SR 53 FM E OF CR 36/ OLD MILL RD TO E OF STEVE TATE RD.		2038 PM DHV = (000) 2038 AM DHV = 000 NO BUILD		GEORGIA DEPARTMENT OF TRANSPORTATION		T - 11.5% SU - 6% COMB - 5.5%		REVISION DATES FEB 2015		STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: PLANNING TRAFFIC DIAGRAM		DRAWING NO. 10-005	
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PI * 621595 PICKENS COUNTY SR 53 FM E OF CR 36/ OLD MILL RD TO E OF STEVE TATE RD.	GEORGIA DEPARTMENT OF TRANSPORTATION	T - 11.5% SU - 6% COMB - 5.5%	REVISION DATES
			OFFICE: PLANNING DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
2018 PM DHV = (000) 2018 AM DHV = 000 BUILD		DRAWING NO. 10-007	



PI# 621595 PICKENS COUNTY SR 53 FM E OF CR 36/ OLD MILL RD TO E OF STEVE TATE RD.	GEORGIA DEPARTMENT OF TRANSPORTATION	T • 11.5% SU • 6% COMB • 5.5%	REVISION DATES 11/15/2013
			STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION PLANNING OFFICE