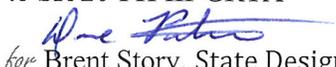


**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0004433 **OFFICE** Design Policy & Support
MSL00-0004-00(433)
Rockdale County **DATE** 12/28/2010
Parker/Millers Chapel Rd. from Flat Shoals
to SR 20-PH III-GRTA

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:

Bobby Hilliard, State Program Delivery Engineer
Genetha Rice-Singleton, Program Control Administrator
Glenn Bowman, State Environmental Administrator
Kathy Zahul, State Traffic Engineer
Ron Wishon, State Project Review Engineer
Jeff Baker, State Utilities Engineer
Bryant Poole, District Engineer
Jonathan Walker, District Utilities Engineer
Angela Robinson, Financial Management Administrator
Cindy VanDyke, State Transportation Planning Administrator
Ernay Robinson, Project Manager

BOARD MEMBER - 4th Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

REVISED PROJECT CONCEPT REPORT

Project Number: MSL00-0004-00(433)

County: Rockdale

P. I. Number: 0004433

Federal Route Number: N/A

State Route Number: N/A

This Concept Report, for the project referenced above, was revised for the following reasons:

- To comply with the most current instructions for Concept Report Revisions, as outlined by the PDP.
- To split the overall project into (2) separate projects to better address the construction staging.

Submitted for approval:

DATE OCTOBER 05, 2010

Scott M. Athey
Scott M. Athey, P.E. Lowe Engineers, LLC.

DATE Oct. 05, 2010

Miguel Valentin
Miguel Valentin, P.E. Rockdale County

DATE _____

Design Phase Office Head
Bobby Hilliard
Office Head

DATE 10-6-2010

DATE 10/7/2010

Ernay Robinson
Ernay Robinson Project Manager

Recommendation for approval:

DATE 10/15/10

CLENN BOWMAN RECOMMENDATION ON FILE N
State Environmental Administrator

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

* DATE 10/18/10

Angela J. Adams
State Transportation Planning Administrator

* THIS CONCEPT REPORT IS SIGNED NOTING THE COMMENT MADE BY THE OFFICE OF PLANNING INCLUDED ON PAGE 3 OF THIS DOCUMENT.

October 4th, 2010

Project Revised Concept Report page 2

Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

State of Georgia
Department of Transportation

REVISED PROJECT CONCEPT REPORT

Need and Purpose: See Attachment for need and purpose statement.

Project location: This project is located on Parker Road and Miller's Chapel Road between Flat Shoals Road and SR 20 in the City of Conyers, Ga in Rockdale County. This project will connect to Phase II at Flat Shoals Road (Project STP00-9349-00(004), P.I. No. 752380) at the north end and to SR 20 at the south end. The total length of this project is 1.07 miles. The Begin & End mile logs are 0.25 & 0.54 miles.

Description of the approved concept: Project MSL00-0004-00(433) is the third of three phases of the overall project to connect the City of Conyers to SR 20 and SR 138 via the Parker Road Bridge over I-20. Parker Road Phase III is programmed as a four-lane roadway in the Mobility 2030 Regional Transportation Plan (RTP) and the 2005-10 Transportation Improvement Program (TIP), Project RO-015E.

PDP Classification: Major X Minor

Federal Oversight: Full Oversight (), Exempt (X), State Funded (), or Other ()

Functional Classification: Urban Minor Arterial

U. S. Route Number(s): N/A **State Route Number(s):** N/A

Traffic (AADT) as shown in the approved concept:

Base Year: 11,481(2011) Design Year: 22,730(2031)

Updated traffic data (AADT):

Base Year: N/A Design Year: N/A

Proposed features to be revised: The purpose of this revised concept is to clarify individual project staging of Phase III into 2 individual projects (phases) Phase IIIA & Phase IIIB as follows:

Phase IIIA:

MSL00-0004-00(433)

P.I. # 0004433

ROW Cost: \$2,588,708.00 & Mitigation Cost: \$43,600.00

Construction Cost (incl E&I, Const., Fuel & Liquid Adj's): \$3,661,698.70

Project Length: 1.07 Miles

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Project Revised Concept Report page 3

Project Number: MSL00-0004-00(433)

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Project Description; Parker Rd from approximately 1300 ft south of SR 138 to Flat Shoals Road, in addition to 0.36 miles of improvements on SR 138. (This phase will retain the original P.I. and project number. See attached Project Location Map.)

Phase IIIB:

Project Number: T.B.D

P.I. T.B.D.

ROW Cost: \$1,078,945.00

Construction Cost (incl E&I, Const. and Fuel & Liquid Adj's): \$1,850,944.60

Project Length: 1.07 Miles:

Project Description; Miller's Chapel Road from SR 20 to end of phase IIIA.

Note:

The office of planning recommends the following: 1. The concept report is signed with the assumption that the addition of Phase IIIB to the program will be coordinated with the office of financial management. 2. The office of planning will address any required amendments to the TIP/RTP when the necessary changes to the program/TPro have been addressed. 3. This concept report is signed with the provision that, when approved, the concept report revisions will require that a TIP action be performed and approved by the ARC. Please coordinate with this office when the concept approval is received so that the required action can be performed.

Environmental Status:

- Environmental Work: OES () Consultant (X)
- Environmental Assessment cleared with EA/FONSI: Signed 4/25/08
- Environmental Assessment/Finding of No Significant Impact EA/(FONSI) (X), or Environmental Impact Statement (EIS) (). Approved: Yes (X), No () Date: 2/18/09
- Environmental Schedule:
 - Time to complete special studies to OES: 2 weeks.
 - Time to complete reevaluation to OES per approval of special studies: 4 weeks.

Describe the revised feature(s) to be approved: The revised concept report will clarify splitting of Phase III into 2 separate projects Phase IIIA & IIIB only. The proposed foot print will remain unchanged.

Approved Programmed/Schedule (Phase IIIA):

P.E. 2005 R/W: 2010 Construction: 2012

Proposed Programmed/Schedule (Phase IIIB):

P.E. LR R/W: LR Construction: LR

VE Study Required Yes () No (X)

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Project Revised Concept Report page 4

Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

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Benefit/Cost Ratio 1.04

Revised Cost Estimate:

See attached revised estimates.

Is the project located in an Ozone Non-attainment area? Yes (X) No ()

Is the project in a PM2.5 Non-Attainment area? Yes (X) No ()

The proposed project concept for Parker Rd consist of 4-12' travel lanes separated by a 20' raised-grass median, 16' urban shoulders with 5' & 10' sidewalks, with a project length of 1.2 miles verse the plan model for Parker Rd of 4-12' travel lanes separated by a 20' raised-grass median, 16' urban shoulders with 5' & 10' sidewalks, with a project length of 1.07 miles.

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

Attachments:

1. Project Location Map
2. Detail estimate
3. Cost summary
4. Fuel/asphalt adjustment spreadsheet
5. Utility cost estimate
6. Right of way estimate
7. Environmental Mitigation Cost
8. Need and Purpose Statement
9. B/C analysis worksheet
10. Typical Sections
11. Roadway Plans

Concur:



Director of Engineering

Approve:



Chief Engineer

Date:

12/22/10

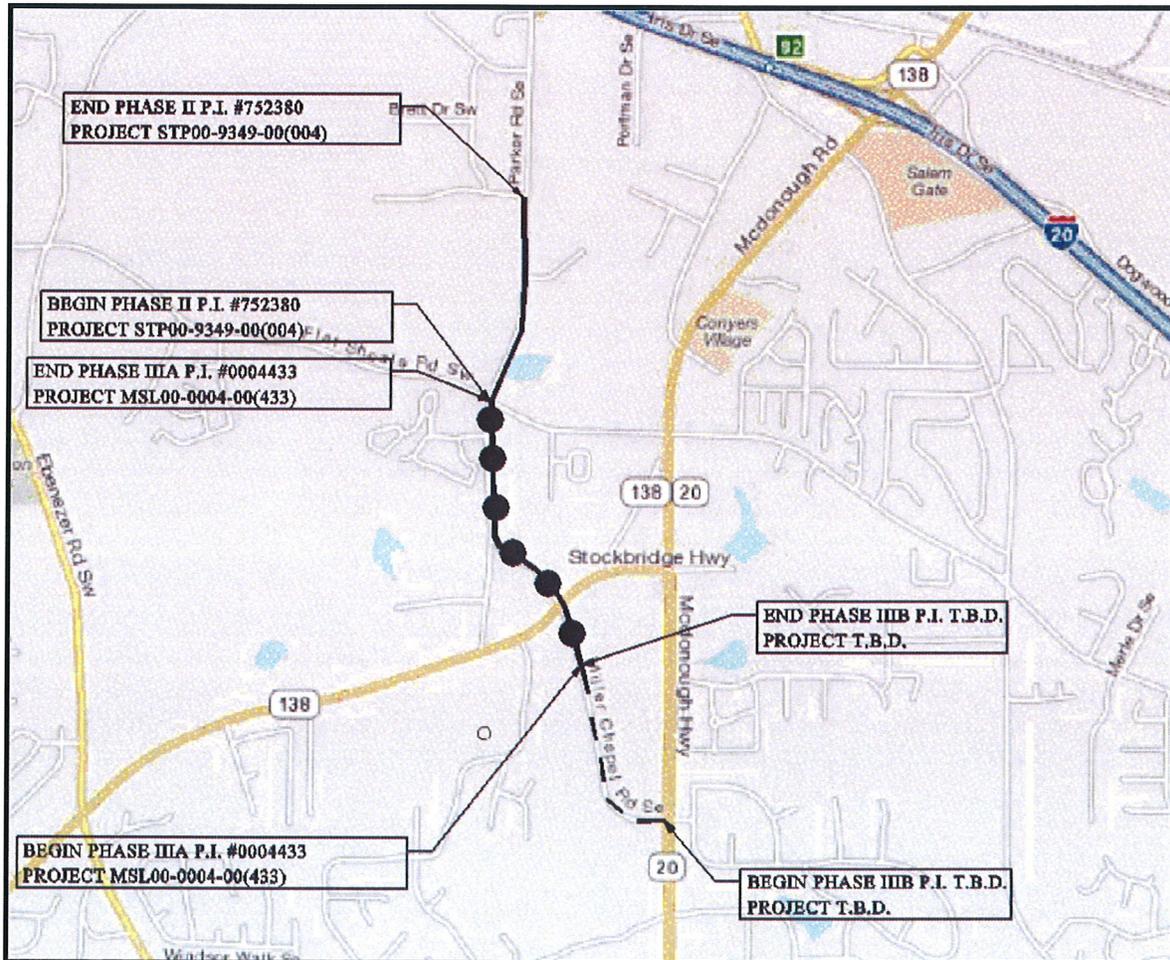
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Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

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Department of Transportation



Project Location Map

Project: MSL00-0004-00(433) Rockdale County **PI No.:** 0004433

Description: Parker Road between Flat Shoals Road and SR 20

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Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

State of Georgia
Department of Transportation

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JOB DETAIL ESTIMATE

JOB NUMBER : 0004433 SPEC YEAR: 01
DESCRIPTION: PARKER ROAD FROM SR138 TO FLAT SHOALS ROAD - PHASE IIIA

ITEMS FOR JOB 0004433

LINE ITEM	UNITS	ALT	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005 150-1000	LS		TRAFFIC CONTROL - MSL00-0004-00(433)	1	340000	340000
0010 153-1300	EA		FIELD ENGINEERS OFFICE TP 3	1	74666.39	74666.4
0015 210-0100	LS		GRADING COMPLETE - MSL00-0004-00(433)	1	293000	293000
0019 310-1101	TN		GR AGGR BASE CRS. INCL MATL	17260	15.46	266960.1
0020 318-3000	TN		AGGR SURF CRS	200	17.16	3432.33
0025 402-1811	TN		RECYL AC LEVELING, INCL BM	210	67.85	14249.66
0030 402-3121	TN		RECYL AC 25MM SP,GP1/2,BM&HL	7200	58.05	417985
0035 402-3130	TN		RECYL AC 12.5MM SP,GP2,BM&HL	4100	65.09	266899.8
0039 413-1000	GL		BITUM TACK COAT	2200	2.67	5882.36
0040 402-3190	TN		RECYL AC 19 MM SP,GP 1 OR 2, INC BM&HL	5000	60.05	300298
0045 432-5010	SY		MILL ASPH CONC PVMT,VARB DEPTH	20	17.54	350.85
0050 446-2118	LF		HIGH STR PVMT REINF FABRIC, 18 IN WIDTH	1500	3.93	5902.91
0055 441-0014	SY		DRIVEWAY CONCRETE, 4 IN TK	210	25.25	5304.4
0060 441-0104	SY		CONC SIDEWALK, 4 IN	7600	23.68	180035.8
0065 441-0740	SY		CONC MEDIAN, 4 IN	600	26.92	16155.51
0070 441-0748	SY		CONC MEDIAN, 6 IN	400	40.61	16244.26
0075 441-4020	SY		CONC VALLEY GUTTER, 6 IN	900	31.21	28096.44
0079 441-6740	LF		CONC CURB & GUTTER/ 8"X30" TP7	5600	12.41	69516.05
0080 441-6222	LF		CONC CURB & GUTTER/ 8"X30" TP2	10000	11.35	113547.5
0085 500-9999	CY		CL B CONC,BASE OR PVMT WIDEN	60	151.6	9096.42
0090 550-1180	LF		STM DR PIPE 18" H 1-10	3141	29.15	91567.09
0095 550-1240	LF		STM DR PIPE 24" H 1-10	281	38.57	10839.12
0100 550-2180	LF		SIDE DR PIPE 18" H 1-10	246	26.1	6422.87
0105 550-2300	LF		SIDE DR PIPE 30" H 1-10	81	34.98	2833.58
0110 560-3318	EA		SAFETY END SECTION 18",STD,4:1	6	554.88	3329.33
0115 550-3324	EA		SAFETY END SECTION 24",STD,4:1	1	927.47	927.48
0120 550-3418	EA		SAFETY END SECTION 18",SD,4:1	14	494.17	6918.43
0125 603-2181	SY		STN DUMPED RIP RAP, TP 3, 18"	30	40.72	1221.73
0129 603-2182	SY		STN DUMPED RIP RAP, TP 3, 24"	70	44.81	3138.77
0130 603-7000	SY		PLASTIC FILTER FABRIC	30	3.82	114.67
0135 668-1100	EA		CATCH BASIN, GP 1	37	2040.32	75491.91
0140 668-1110	LF		CATCH BASIN, GP 1, ADDL DEPTH	2	189.07	378.15
0145 668-2100	EA		DROP INLET, GP 1	10	1660.4	16604
0150 668-4300	EA		STORM SEW MANHOLE, TP 1	5	1757.43	8787.16
0155 636-1020	SF		HWY SGN,TP1MAT,REFL SH TP3	229.5	14.31	3284.72
0156 636-1033	SF		HWY SIGNS, TP1MAT,REFL SH TP 9	254.25	19.18	4877.83
0160 636-2070	LF		GALV STEEL POSTS, TP 7	540	7.75	4185.79
0170 639-3004	EA		STEEL STRAIN POLE, TP IV	4	6577.32	26309.28
0175 653-0120	EA		THERM PVMT MARK, ARROW, TP 2	50	68.19	3409.65
0180 653-1501	LF		THERMO SOLID TRAF ST 5 IN, WHI	4300	0.4	1741.5
0185 653-1502	LF		THERMO SOLID TRAF ST, 5 IN YEL	14280	0.33	4845.2
0190 653-1704	LF		THERM SOLID TRAF STRIPE,24",WH	320	3.4	1090.45
0195 653-1804	LF		THERM SOLID TRAF STRIPE, 8",WH	6550	1.67	10952.32
0200 653-3501	GLF		THERMO SKIP TRAF ST, 5 IN, WHI	10280	0.22	2263.96

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State of Georgia
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STATE HIGHWAY AGENCY

JOB DETAIL ESTIMATE

Item No	Description	Quantity	Unit	Rate	Amount
0205	653-3502 GLF THERMO SKIP TRAF ST, 5 IN, YEL	4130		0.14	598.77
0210	653-6004 SY THERM TRAF STRIPING, WHITE	1510		2.82	4268.63
0215	653-6006 SY THERM TRAF STRIPING, YELLOW	2000		2.67	5354.28
0220	654-1001 EA RAISED PVMT MARKERS TP 1	90		3.87	348.89
0225	654-1003 EA RAISED PVMT MARKERS TP 3	320		3.64	1165.9
0228	639-2002 LF STEEL WIRE STRAND CABLE 3/8"	1200		3.3	3961.76
0229	639-4004 EA STRAIN POLE, TP IV	6		5279.67	31678.03
0230	163-0232 AC TEMPORARY GRASSING	20		371.18	7423.61
0235	163-0240 TN MULCH	20		271.62	5432.42
0240	163-0300 EA CONSTRUCTION EXIT	8		1061.91	8495.31
0245	163-0503 EA CONSTR AND REMOVE SILT CONTROL GATE, TP 3	9		376.41	3387.7
0250	163-0523 EA CONSTR AND REM TEMP DCH CK - TP C SLTFN	30		168.4	5052.04
0255	163-0550 EA CONS & REM INLET SEDIMENT TRAP	50		126.29	6314.99
0260	165-0010 LF MAINT OF TEMP SILT FENCE, TP A	3180		0.55	1775.87
0265	165-0030 LF MAINT OF TEMP SILT FENCE, TP C	5		1.69	8.47
0268	171-0010 LF TEMPORARY SILT FENCE, TYPE A	6360		1.49	9530.21
0269	171-0030 LF TEMPORARY SILT FENCE, TYPE C	10		3.72	37.28
0274	643-8200 LF BARRIER FENCE (ORANGE), 4 FT	272		2.02	549.86
0279	700-6910 AC PERMANENT GRASSING	20		734.14	14682.89
0284	700-7000 TN AGRICULTURAL LIME	40		87.03	3481.54
0289	700-7010 GL LIQUID LIME	50		21.9	1095.03
0294	700-8000 TN FERTILIZER MIXED GRADE	20		373.32	7466.44
0299	700-8100 LB FERTILIZER NITROGEN CONTENT	810		1.49	1207.22
0304	716-2000 SY EROSION CONTROL MATS, SLOPES	4750		0.93	4430.94
ITEM TOTAL					28442.02
INFLATED ITEM TOTAL					28442.02
TOTALS FOR JOB 0004433					
ESTIMATED COST:					28442.02
CONTINGENCY PERCENT (0.0):					0
ESTIMATED TOTAL:					28442.02

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Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

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STATE HIGHWAY AGENCY

JOB DETAIL ESTIMATE

JOB NUMBER : 00043_PIIIIB SPEC YEAR: 01
DESCRIPTION: PARKER ROAD FROM SR138 TO FLAT SHOALS ROAD - PHASE IIIB

ITEMS FOR JOB 0004433_PIIIIB

LINE ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000	LS	TRAFFIC CONTROL - MSL00-0004-00(433)	1	170000	170000
0010	153-1300	EA	FIELD ENGINEERS OFFICE TP 3	1	74666.39	74666.4
0015	210-0100	LS	GRADING COMPLETE - MSL00-0004-00(433)	1	181625	181625
0019	310-1101	TN	GR AGGR BASE CRS. INCL MATL	14120	15.46	218295.2
0020	318-3000	TN	AGGR SURF CRS	200	17.16	3432.33
0025	402-1811	TN	RECYL AC LEVELING, INCL BM	100	67.85	6785.51
0030	402-3121	TN	RECYL AC 25MM SP.GP1/2, BM&HL	3600	60.78	218831.8
0035	402-3130	TN	RECYL AC 12.5MM SP.GP2, BM&HL	1610	69.14	111320
0040	402-3190	TN	RECYL AC 19 MM SP.GP 1 OR 2, INC BM&HL	1800	64.61	116310.2
0044	413-1000	GLF	BITUM TACK COAT	1640	2.75	4512.33
0045	432-5010	SY	MILL ASPH CONC PVMT, VARB DEPTH	100	10.63	1063.14
0050	446-2118	LF	HIGH STR PVMT REINF FABRIC, 18 IN WIDTH	500	3.93	1967.64
0055	441-0014	SY	DRIVEWAY CONCRETE, 4 IN TK	280	24.5	6862.46
0060	441-0104	SY	CONC SIDEWALK, 4 IN	4740	24.83	117720.6
0075	441-4020	SY	CONC VALLEY GUTTER, 6 IN	130	33.91	4408.47
0080	441-6222	LF	CONC CURB & GUTTER/ 8"X30"TP2	6340	12.17	77178.47
0085	500-9999	CY	CL B CONC BASE OR PVMT WIDEN	10	168.57	1685.73
0090	550-1180	LF	STM DR PIPE 18",H 1-10	1320	30.23	39912.15
0095	550-1240	LF	STM DR PIPE 24",H 1-10	30	43.98	1319.47
0100	550-2180	LF	SIDE DR PIPE 18",H 1-10	100	28.19	2819.79
0105	550-2300	LF	SIDE DR PIPE 30",H 1-10	50	39.49	1974.7
0110	550-3318	EA	SAFETY END SECTION 18",STD,4:1	2	602.1	1204.2
0115	550-3324	EA	SAFETY END SECTION 24",STD,4:1	2	927.47	1854.96
0120	550-3418	EA	SAFETY END SECTION 18",SD,4:1	7	366.65	2566.57
0125	603-2181	SY	STN DUMPED RIP RAP, TP 3, 18"	20	42.35	847.19
0129	603-2182	SY	STN DUMPED RIP RAP, TP 3, 24"	40	46.63	1865.37
0130	603-7000	SY	PLASTIC FILTER FABRIC	20	3.86	77.22
0135	668-1100	EA	CATCH BASIN, GP 1	22	1987.17	43717.86
0140	668-1110	LF	CATCH BASIN, GP 1, ADDL DEPTH	10	175.59	1755.95
0150	668-4300	EA	STORM SEW MANHOLE, TP 1	6	1757.43	10544.59
0155	636-1020	SF	HWY SGN, TP1MAT, REFL SH TP3	400	13.88	5554.92
0160	636-2070	LF	GALV STEEL POSTS, TP 7	900	7.44	6699.25
0175	653-0120	EA	THERM PVMT MARK, ARROW, TP 2	3	73.96	221.89
0180	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	6800	0.37	2548.64
0190	653-1704	LF	THERM SOLID TRAF STRIPE, 24", WH	80	3.78	302.58
0195	653-1804	LF	THERM SOLID TRAF STRIPE, 8", WH	1270	1.8	2292.6
0200	653-3501	GLF	THERMO SKIP TRAF ST, 5 IN, WHI	9300	0.22	2076.13
0210	653-6004	SY	THERM TRAF STRIPING, WHITE	70	3.21	225.04
0220	654-1001	EA	RAISED PVMT MARKERS TP 1	70	3.99	279.52
0225	654-1003	EA	RAISED PVMT MARKERS TP 3	200	3.76	752.17
0230	163-0232	AC	TEMPORARY GRASSING	10	371.18	3711.8
0235	163-0240	TN	MULCH	8	230.04	1840.35
0240	163-0300	EA	CONSTRUCTION EXIT	4	1145.7	4582.83
0245	163-0503	EA	CONSTR AND REMOVE SILT CONTROL GATE, TP 3	4	300.69	1202.77

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STATE HIGHWAY AGENCY

JOB DETAIL ESTIMATE

0260 165-0010	LF	MAINT OF TEMP SILT FENCE, TP A	4000	0.54	2161
0265 165-0030	LF	MAINT OF TEMP SILT FENCE, TP C	2000	0.73	1473.32
0269 643-8200	LF	BARRIER FENCE (ORANGE), 4 FT	50	2.41	120.86
0270 700-6910	AC	PERMANENT GRASSING	6	734.14	4404.87
0275 700-7000	TN	AGRICULTURAL LIME	18	87.33	1572
0280 700-7010	GL	LIQUID LIME	15	23.01	345.22
0285 700-8000	TN	FERTILIZER MIXED GRADE	5	359.1	1795.51
0290 700-8100	LB	FERTILIZER NITROGEN CONTENT	300	1.61	485.78
0295 716-2000	SY	EROSION CONTROL MATS, SLOPES	2000	0.97	1957.78
ITEM TOTAL					1473732
INFLATED ITEM TOTAL					1473732
TOTALS FOR JOB 0004433_PHIIIIB					
ESTIMATED COST					1473732
CONTINGENCY PEF (0.0)					0
ESTIMATED TOTAL					1473732

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Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

State of Georgia
Department of Transportation

COST SUMMARY

PHASE IIIA COST ESTIMATE FOR MSL00-0004-00(433), P.I. 0004433

• CONSTRUCTION	
CONSTRUCTION COST ESTIMATE:	\$2,844,202.00 (Trnsport CES Estimate)
ENGINEERING AND INSPECTION:	\$142,210.10 (Trnsport CES Estimate x 5 %)
TOTAL FUEL ADJUSTMENT	\$ 221,408.20 (Fuel Price Index Calculation sheet)
TOTAL LIQUID AC ADJUSTMENT	\$ 453,878.40 (Fuel Price Index Calculation sheet)
TOTAL CONSTRUCTION COST:	\$3,661,698.70
• RIGHT OF WAY	\$ 2,588,708.00
• UTILITIES	\$ 1,114,414.00
• MITIGATION	\$ 43,600.00
TOTAL PROJECT COST:	\$ 7,408,420.70

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Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

State of Georgia
Department of Transportation

COST SUMMARY

PHASE IIIB COST ESTIMATE FOR PROJ. NO. T.B.D, P.I. T.B.D

• CONSTRUCTION	
CONSTRUCTION COST ESTIMATE:	\$1,473,732.00 (Trnsport CES Estimate)
ENGINEERING AND INSPECTION:	\$73,686.60 (Trnsport CES Estimate x 5 %)
TOTAL FUEL ADJUSTMENT	\$ 106,447.10 (Fuel Price Index Calculation sheet)
TOTAL LIQUID AC ADJUSTMENT	\$ 197,078.90 (Fuel Price Index Calculation sheet)
TOTAL CONSTRUCTION COST:	\$1,850,944.60
• RIGHT OF WAY	\$ 1,078,945.00
• UTILITIES	\$ 509,600.00
• MITIGATION	\$0
TOTAL PROJECT COST:	\$ 3,439,489.60

P.I. Number 0004433

County Rockdale

Date 10/4/2010

Project Number MSL00-0004-00(433) - PHASE IIIA

**Special Provision, Section 109-Measurement and Payment
FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)**

ENTER FPL DIESEL	2.881
ENTER FPM DIESEL	6.482

ENTER FPL UNLEADED	2.532
ENTER FPM UNLEADED	5.697

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

INCREASE ADJUSTMENT
125.00%

INCREASE ADJUSTMENT
125.00%

ROADWAY ITEMS	QUANTITY	DIESEL FACTOR	GALLONS DIESEL	UNLEADED FACTOR	GALLONS UNLEADED	REMARKS
Excavations paid as specified by Sections 205 (CUBIC YARD)		0.29		0.15		
Excavations paid as specified by Sections 206 (CUBIC YARD)		0.29		0.15		
GAB paid as specified by the ton under Section 310 (TON)	17260.000	0.29	5005.40	0.24	4142.40	
Hot Mix Asphalt paid as specified by the ton under Sections 400 (TON)		2.90		0.71		
Hot Mix Asphalt paid as specified by the ton under Sections 402 (TON)	16510.000	2.90	47879.00	0.71	11722.10	
PCC Pavement paid as specified by the square yard under Section 430 (SY)		0.25		0.20		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Bridge Excavation (CY) Section 211				8.00		1.50		
Class __Concrete (CY) Section 500				8.00		1.50		
Class __Concrete (CY) Section 500				8.00		1.50		
Class __Concrete (CY) Section 500				8.00		1.50		
Superstru Con Class__(CY) Section 500				8.00		1.50		
Superstru Con Class__(CY) Section 500				8.00		1.50		
Superstru Con Class__(CY) Section 500				8.00		1.50		
Concrete Handrail (LF) Section 500				8.00		1.50		
Concrete Barrier (LF) Section 500				8.00		1.50		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Stru Steel Plan Quantity (LB) Section 501				8.00		1.50		

Stru Steel Plan Quantity(LB) Section 501				8.00		1.50	
PSC Beams_____(LF) Section 507				8.00		1.50	
PSC Beams_____(LF) Section 507				8.00		1.50	
PSC Beams_____(LF) Section 507				8.00		1.50	
Stru Reinf Plan Quantity(LB) Section 511				8.00		1.50	
Stru Reinf Plan Quantity(LB) Section 511				8.00		1.50	
Bar Reinf Steel (LB) Section 511				8.00		1.50	
Piling__ inch (LF) Section 520				8.00		1.50	
Piling__ inch (LF) Section 520				8.00		1.50	
Piling__ inch (LF) Section 520				8.00		1.50	
Piling__ inch (LF) Section 520				8.00		1.50	
Piling__ inch (LF) Section 520				8.00		1.50	
Piling__ inch (LF) Section 520				8.00		1.50	
Drilled Caisson,____(LF) Section 524				8.00		1.50	
Drilled Caisson,____(LF) Section 524				8.00		1.50	
Drilled Caisson,____(LF) Section 524				8.00		1.50	
Pile Encasement,____(LF) Section 547				8.00		1.50	
Pile Encasement,____(LF) Section 547				8.00		1.50	
SUM QF DIESEL=				52884.40	SUM QF UNLEADED=		15864.50
DIESEL PRICE ADJUSTMENT(\$)				\$175,213.95			
UNLEADED PRICE ADJUSTMENT(\$)				\$46,194.25			

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

ENTER APL

ENTER APM

125.00% INCREASE ADJUSTMENT

Use this side for Asphalt Emulsion Only		
L.I.N.	TYPE	ASPHALT EMULSION (GALLONS)
TMT = <input type="text"/>		
REMARKS:		

Use this side for Asphalt Cement Only		
L.I.N.	TYPE	TACK (GALLONS)
TMT = <input type="text"/>		
REMARKS:		

MONTHLY PRICE ADJUSTMENT(\$)

ADJUSTMENT SUMMARY

FUEL PRICE ADJUSTMENT (<i>ENGLISH 125% MAX</i>)	
DIESEL PRICE ADJUSTMENT(\$)	<u>\$175,213.95</u>
UNLEADED PRICE ADJUSTMENT(\$)	<u>\$46,194.25</u>
ASPHALT CEMENT PRICE ADJUSTMENT (<i>BITUMINOUS TACK COAT 125% MAX</i>)	<u>\$5,136.60</u>
400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT <i>125% MAX</i>	<u>\$448,741.80</u>
ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(<i>Surface Treatment 125% MAX</i>)	

REMARKS:

TOTAL ADJUSTMENTS \$675,286.60

P.I. Number T.B.D.

County Rockdale

Date 10/4/2010

Project Number T.B.D. - PHASE IIIB

**Special Provision, Section 109-Measurement and Payment
FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)**

ENTER FPL DIESEL	2.881
ENTER FPM DIESEL	6.482

ENTER FPL UNLEADED	2.532
ENTER FPM UNLEADED	5.697

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

INCREASE ADJUSTMENT
125.00%

INCREASE ADJUSTMENT
125.00%

ROADWAY ITEMS	QUANTITY	DIESEL FACTOR	GALLONS DIESEL	UNLEADED FACTOR	GALLONS UNLEADED	REMARKS
Excavations paid as specified by Sections 205(CUBIC YARD)		0.29		0.15		
Excavations paid as specified by Sections 206(CUBIC YARD)		0.29		0.15		
GAB paid as specified by the ton under Section 310(TON)	14120.000	0.29	4094.80	0.24	3388.80	
Hot Mix Asphalt paid as specified by the ton under Sections 40(TON)		2.90		0.71		
Hot Mix Asphalt paid as specified by the ton under Sections 40(TON)	7110.000	2.90	20619.00	0.71	5048.10	
PCC Pavement paid as specified by the square yard under Section 43Q(SY)		0.25		0.20		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Bridge Excavation (CY) Section 211				8.00		1.50		
Class__Concrete (CY) Section 500				8.00		1.50		
Class__Concrete (CY) Section 500				8.00		1.50		
Class__Concrete (CY) Section 500				8.00		1.50		
Superstru Con Class__(CY) Section 500				8.00		1.50		
Superstru Con Class__(CY) Section 500				8.00		1.50		
Superstru Con Class__(CY) Section 500				8.00		1.50		
Concrete Handrail (LF) Section 500				8.00		1.50		
Concrete Barrier (LF) Section 500				8.00		1.50		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
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Stru Steel Plan Quantity(LB) Section 501				8.00		1.50	
Stru Steel Plan Quantity(LB) Section 501				8.00		1.50	
PSC Beams____(LF) Section 507				8.00		1.50	
PSC Beams____(LF) Section 507				8.00		1.50	
PSC Beams____(LF) Section 507				8.00		1.50	
Stru Reinf Plan Quantity(LB) Section 511				8.00		1.50	
Stru Reinf Plan Quantity(LB) Section 511				8.00		1.50	
Bar Reinf Steel (LB) Section 511				8.00		1.50	
Piling____inch (LF) Section 520				8.00		1.50	
Piling____inch (LF) Section 520				8.00		1.50	
Piling____inch (LF) Section 520				8.00		1.50	
Piling____inch (LF) Section 520				8.00		1.50	
Piling____inch (LF) Section 520				8.00		1.50	
Piling____inch (LF) Section 520				8.00		1.50	
Drilled Caisson,____(LF) Section 524				8.00		1.50	
Drilled Caisson,____(LF) Section 524				8.00		1.50	
Drilled Caisson,____(LF) Section 524				8.00		1.50	
Pile Encasement,____(LF) Section 547				8.00		1.50	
Pile Encasement,____(LF) Section 547				8.00		1.50	
SUM QF DIESEL=		24713.80		SUM QF UNLEADED=		8436.90	
DIESEL PRICE ADJUSTMENT(\$)				\$81,880.53			
UNLEADED PRICE ADJUSTMENT(\$)				\$24,566.57			

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

ENTER APL

ENTER APM

125.00%

INCREASE ADJUSTMENT

Use this side for Asphalt Emulsion Only

L.I.N.	TYPE	ASPHALT EMULSION (GALLONS)
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REMARKS:		

Use this side for Asphalt Cement Only

L.I.N.	TYPE	TACK (GALLONS)
TMT = <input type="text"/>		
REMARKS:		

MONTHLY PRICE ADJUSTMENT(\$)

ADJUSTMENT SUMMARY

FUEL PRICE ADJUSTMENT (*ENGLISH 125% MAX*)

DIESEL PRICE ADJUSTMENT(\$) **\$81,880.53**

UNLEADED PRICE ADJUSTMENT(\$) **\$24,566.57**

ASPHALT CEMENT PRICE ADJUSTMENT (*BITUMINOUS TACK COAT 125% MAX*) **\$3,829.10**

400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT *125% MAX* **\$193,249.80**

ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(*Surface Treatment 125% MAX*)

REMARKS:

TOTAL ADJUSTMENTS

\$303,525.99

FILE **MSL00-0004-00(433), Rockdale County, P.I. # 0004433**
Parker Rd Widening Phase IIIA

DATE July 22, 2009

FROM Lowe Engineers

TO GDOT

SUBJECT **UTILITY COST ESTIMATE**

UTILITY OWNER	PUBLIC OR PRIVATE	TYPE OF UTILITY	COST
BellSouth	Private	Telecom	0
Comcast	Private	Cable TV	0
Snapping Shoals EMC	Private	Electric	80,664
Rockdale County Water Resources	Public	Water/Sewer	638,000
Georgia Power Company	Public	Electric	0
Atlanta Gas Light Company	Public	Gas	350,000
Verizon Business	Private	Telecom	0
AT&T	Private	Telecom	45,750
TOTAL PROJECT COST			\$1,114,414

FILE **PROJECT NO. T.B.D., Rockdale County, P.I. # T.B.D.**
Parker Rd Widening Phase IIIB

DATE July 22, 2009

FROM Lowe Engineers

TO GDOT

SUBJECT **UTILITY COST ESTIMATE**

UTILITY OWNER	PUBLIC OR PRIVATE	TYPE OF UTILITY	COST
BellSouth	Private	Telecom	0
Comcast	Private	Cable TV	0
Snapping Shoals EMC	Private	Electric	0
Rockdale County Water Resources	Public	Water/Sewer	0
Georgia Power Company	Public	Electric	0
Atlanta Gas Light Company	Public	Gas	0
Verizon Business	Private	Telecom	0
AT&T	Private	Telecom	0
TOTAL PROJECT COST*			\$509,600

* Phase IIIB estimated cost based on previous phase IIIA utility prices.

October 4th, 2010

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Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

State of Georgia
Department of Transportation

Phase IIIA Right of Way Estimate

DATE: September 2, 2009 P.I. #: 0004433
PROJECT: MSL00-0004-00 (433), PARKER IIIA COUNTY: ROCKDALE PARCELS: 41
PROJECT DESCRIPTION: Widening & Reconstruction of Parker Road from Flat Shoals Road to Miller's Chapel Road

1. LAND: (Total area and cost by category)		
Right of Way: 142,356.29 sf (commercial, retail & OI)	\$ 788,238.19	
Permanent construction easement 101,028.16 (commercial, retail & OI)	\$ 395,678.49	
Total		\$1,183,919.60

2. IMPROVEMENTS:		
Main Structures	\$	
Site Improvements (Signage, fencing & landscaping)	\$ 94,580.50	
Total		\$ 94,580.50

3. Damages:		
Damages to Land and Structures	\$.00	
Specialty Costs (Cost to Cures, Trade Fixtures, etc.)	\$	
Total		\$.00

4. RELOCATION: (including Consequential Displacements)		
Businesses (# Displaced x \$15,000):	\$	
Residential Tenant: (# Displaced x \$20,000):	\$	
Residential Owner: (# Displaced x \$40,000):	\$	
Total		\$.00

5. Property Management (Asbestos Removal and Demolition)		
Number of Structures _____ x \$25,000/structure	\$	
Number of sites with UST's _____ x \$50,000	\$	
Number of signs (not billboards) _____ x \$1,500	\$	
Total		\$.00

Estimated Cost of Right of Way **\$1,278,497.18**

C/O, Condemnation increase & Legal Cost (50% of R/W)	\$639,248.55
Service Fees and Appraisal Cost(41 Par x \$7,500)	\$307,500.00
Condemnation Cost (41 Par x 15% x \$7,500)	\$ 46,125.00
incidentals (41 Par x \$2,000)	\$ 82,000.00

Net Cost **\$2,353,370.60**

Market Appreciation (5% rural, 10% urban) **\$ 235,337.06**

TOTAL COST **\$2,588,707.60**

TOTAL COST (ROUNDED) **\$2,588,708.00**

Credits: # Hours

Attachments: Project Location Map; Comparable Sales Data

REVISED: 12-8-06

October 4th, 2010

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Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

State of Georgia
Department of Transportation

Phase IIIB Right of Way Estimate

DATE: September 2, 2009 P.I. #: 0004433 COUNTY: ROCKDALE
PROJECT: MSL00-0004-00 (433), PARKER ROAD IIIB PARCELS: 5
PROJECT DESCRIPTION: Reconstruction and widening of the intersection of
Millers Chapel Road & SR 20

1. LAND: (Total area and cost by category)		
Right of Way: 87,816 sf (residential, commercial & retail)	\$448,889.61	
Permanent Construction Easement 47,764 sf (residential Commercial & retail)	<u>\$169,599.67</u>	
TOTAL		<u>\$ 618,489.23</u>
2. IMPROVEMENTS:		
Main Structures	\$	
Site Improvements (Signage, fencing & landscaping)	<u>\$</u>	
TOTAL		<u>\$.00</u>
3. DAMAGES:		
Damages to Land and Structures	\$	
Specialty Costs (Cost to Cures, Trade Fixtures, etc.)	<u>\$</u>	
TOTAL		<u>\$.00</u>
4. RELOCATION: (Including Consequential Displacements)		
Business (# Displaced X \$15,000):	\$	
Residential Tenant: (#Displaced X \$20,000):	\$	
Residential Owner (# Displaced X \$40,000):	<u>\$</u>	
TOTAL		<u>\$.00</u>
5. PROPERTY MANAGEMENT (ASBESTOS REMOVAL & DEMOLITION)		
Number of Structures _____ X \$25,000 structure	\$	
Number of sites with UST's _____ X \$50,000	\$	
Number of signs (not billboards) _____ X \$1,500	<u>\$</u>	
TOTAL		<u>\$.00</u>
Estimated Cost of Right of Way		<u>\$ 618,489.23</u>
C/O, Condemnation Increase & Legal Cost (50% of R/W)	\$309,244.61	
Services Fees & Appraisal Costs (5 Parcels X \$7,500)	\$ 37,500.00	
Condemnation Cost (5 Parcels X 15% X \$7,500)	\$ 5,625.00	
Incidental Costs (5 Parcels X \$2,000)	<u>\$ 10,000.00</u>	
Net Cost		<u>\$ 980,858.84</u>
Market Appreciation (5% rural, 10% urban)		<u>\$ 98,085.88</u>
TOTAL COST		<u>\$1,078,944.70</u>
TOTAL COST (ROUNDED)		<u>\$1,078,945.00</u>
Attachment (s): Project Location Map; Comparable Sales/Listing Data		REVISED: 12/8/06

October 4th , 2010

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Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

State of Georgia
Department of Transportation

Environmental Mitigation Cost

PHASE IIIA COST ESTIMATE FOR MSL00-0004-00(433), P.I. 0004433

Wetland Cost Estimate: \$ 15,400.00

Stream Cost \$ 28,200.00

Mitigation Total: \$ 43,600.00

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Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

State of Georgia

Department of Transportation

NEED AND PURPOSE

Parker Road, Phase III, Rockdale County

MSL00-0004-00(433)

P.I. 0004433

The proposed project would improve Parker Road, from SR 138 to Flat Shoals Road and Millers Chapel Road, from SR 20 to SR 138 in Rockdale County. The purpose of the project is to provide improved access to both SR 138 and SR 20 to and from the City of Conyers and to provide a uniform typical section for Parker Road and for Millers Chapel Road that will adequately handle future traffic needs, provide for pedestrians and bikes, and incorporates context sensitive design to be compatible with the surrounding community.

The northern terminus of the project is Flat Shoals Road where it connects to Parker Road, Phase II STP-9349(4), PI No 752380. Existing Parker Road is a two lane road at Flat Shoals with a posted speed of 35 mph. The project follows along existing Parker Road to its intersection with SR 138, a four-lane urban roadway divided by a raised median with a posted speed of 45 mph. After crossing SR 138 it follows existing Millers Chapel Road, a two-lane rural roadway with a posted speed of 35 mph, to the southern terminus at State Route 20, a four-lane urban road divided by a raised median with a posted speed of 45 mph. There is an existing entrance to a residential development, Jimson Way, directly opposite Millers Chapel Road at its terminus at SR 20. The total length of the project is about 1.2 miles. Both Parker Road and Millers Chapel Road are classified as urban minor arterials in the Federal Functional Classification System.

The 2005 ADT for Parker Road is 8,632 vehicles with a 24 hour truck percentage of 9%. The AADT is estimated to increase 16% by the year 2008 to 10,010 vehicles and another 89% by the year 2028 to 18,919 vehicles. The existing two-lane road is less than 20' wide for most of its length, with little or no shoulders. The horizontal alignment at the southern end is less than desirable due to a realignment of the road between Old Parker Road and SR 138. The 2005 Level of Service for Parker Road is at a level "D". With the projected growth in volume, the Level of Service will decrease to level "E" by 2028 if no improvements are made.

The 2005 ADT for Millers Chapel Road is 2,912 vehicles with a 24 hour truck percentage of 5.2%. The AADT is estimated to increase 38% by the year 2008 to 4,020 vehicles and another 100% by the year 2028 to 7,600 vehicles. The existing two-lane road is less than 20' wide for most of its length, with little or no shoulders and deficient horizontal alignment at its southern end. The 2005 Level of Service for Millers Chapel Road is at a

level "C". With the projected growth in volume, the Level of Service will decrease to level "D" by 2028 if no improvements are made.

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Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

State of Georgia
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Historical accident and injury rates were calculated based on 2004, 2005, and 2006 data as shown in table 1 below. The historical data includes no record of fatalities during this time period.

Table 1: Accident/Injuries comparison table

Accidents			
Year	Parker Rd		State Average
	Total	Rate (100MVM)	Rate (100MVM)
2004	10	446	490
2005	18	776	534
2006	15	626	531

Injuries			
Year	Parker Rd		State Average
	Total	Rate (100MVM)	Rate (100MVM)
2004	1	45	187
2005	1	43	206
2006	5	209	201

The analysis indicates an increasing trend over the three-year period, with accident rates above the statewide average for two of the three years. Of the 43 total accidents, 23 involved rear-end collisions and 21 involved angle collisions. Thirty-five (35) of the accidents occurred at the SR 138 and Parker Rd/Miller's Chapel Rd intersection within the project limits.

Planning Background and Project History:

The proposed project is the third of three phases of the overall project to connect the City of Conyers to SR 20 and SR 138 via the Parker Road Bridge over I-20. Phase I of the project, including the Parker Road Bridge over I-20 has been constructed and is open to traffic. Phase II of the project is currently in Right-of-way Acquisition and Final Design phase with an expected 2007 letting. The design and construction of Phase III is being partially funded through the Georgia Regional Transportation Authority (GRTA) Arterial Road Bond Program.

Land Use and Development Trends:

The current land use along both roads consists primarily of older rural residential development with a developing commercial node at the intersection with SR 138. The future land use along Parker Road is expected to be higher density single family and multifamily residential. The segment of the project along Millers Chapel Road falls within the City of Conyers Mixed Use Village Overlay District which will allow for a mix of single family, multi-family, and commercial development. The Overlay District also provides specifications for roadway widths, right-of-way widths, sidewalk and multi-use path requirements, and street landscaping requirements. The Parker Road/Millers Chapel Road corridor is included in the Rockdale

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Project Number: MSL00-0004-00(433)

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County Bike and Pedestrian Plan as a bike corridor. To meet the requirements of the Overlay District and the County, it will be desirable to include pedestrian and bike facilities within the proposed typical section along with street and median landscaping.

Other Projects in the Area:

RO-138A SR 138 from E. Fairview Rd to Ebenezer Rd (Long Range) Widening

RO-138B SR 138 from Ebenezer Rd to Parker Rd (Long Range) Operations

RO-138C SR 138/SR20 Gateway Beautification

Honey Creek Rd to SR 20/138 Landscaping

RO-015D Parker Road, Phase II from Flat Shoals Rd to Culpepper Rd Widening (under construction)

RO-212 Lakefield Drive Extension from SR 20 to Flat Shoals Rd New Road

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Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

State of Georgia
Department of Transportation

**Benefit Cost Analysis Work Sheet
CONGESTION Projects**

PR NO. MSL00-0004-00(433)

Rockdale County

Parker Road Phase IIIA

P.I. No. 0004433 & Phase IIIB PR NO. T.B. D, P.I. No. T.B.D.

Congestion Benefit = Tb + CMb + Fb

Person Time Savings Benefit (Tb)

*Db (hrs)	0.0077
ADT	22,730.00
Tb (\$s)	\$6,016,346.88

Commercial or Truck Time Savings Benefit (CMb)

Db (hrs)	0.0077
% Truck Traffic	0.1
ADT	22,730.00
CMb	\$3,178,818.91

Fuel Savings Benefit (Fb)

ADT	22,730.00
Fb (\$s)	\$2,096,605.73

Total Congestion Benefit	\$11,291,771.52
Total Project Cost	\$10,847,910.30
B/C Ratio	1.04

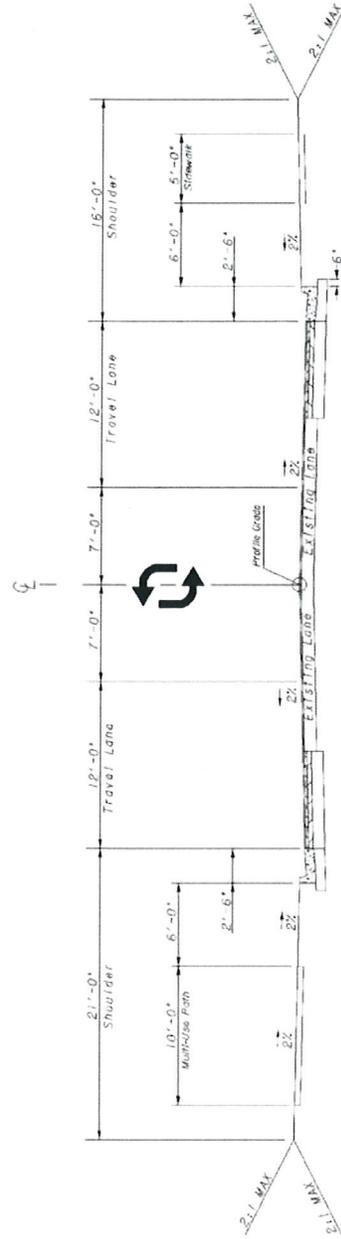
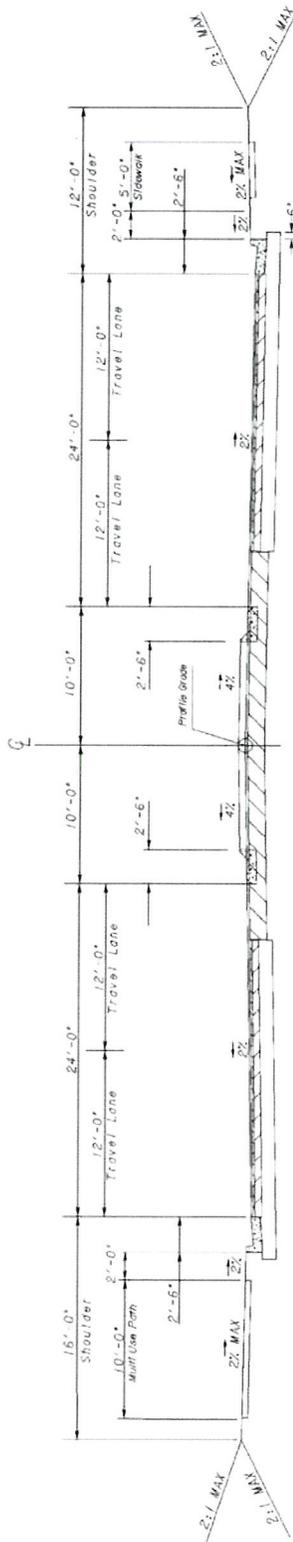
October 4th, 2010

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Project Number: MSL00-0004-00(433)

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State of Georgia
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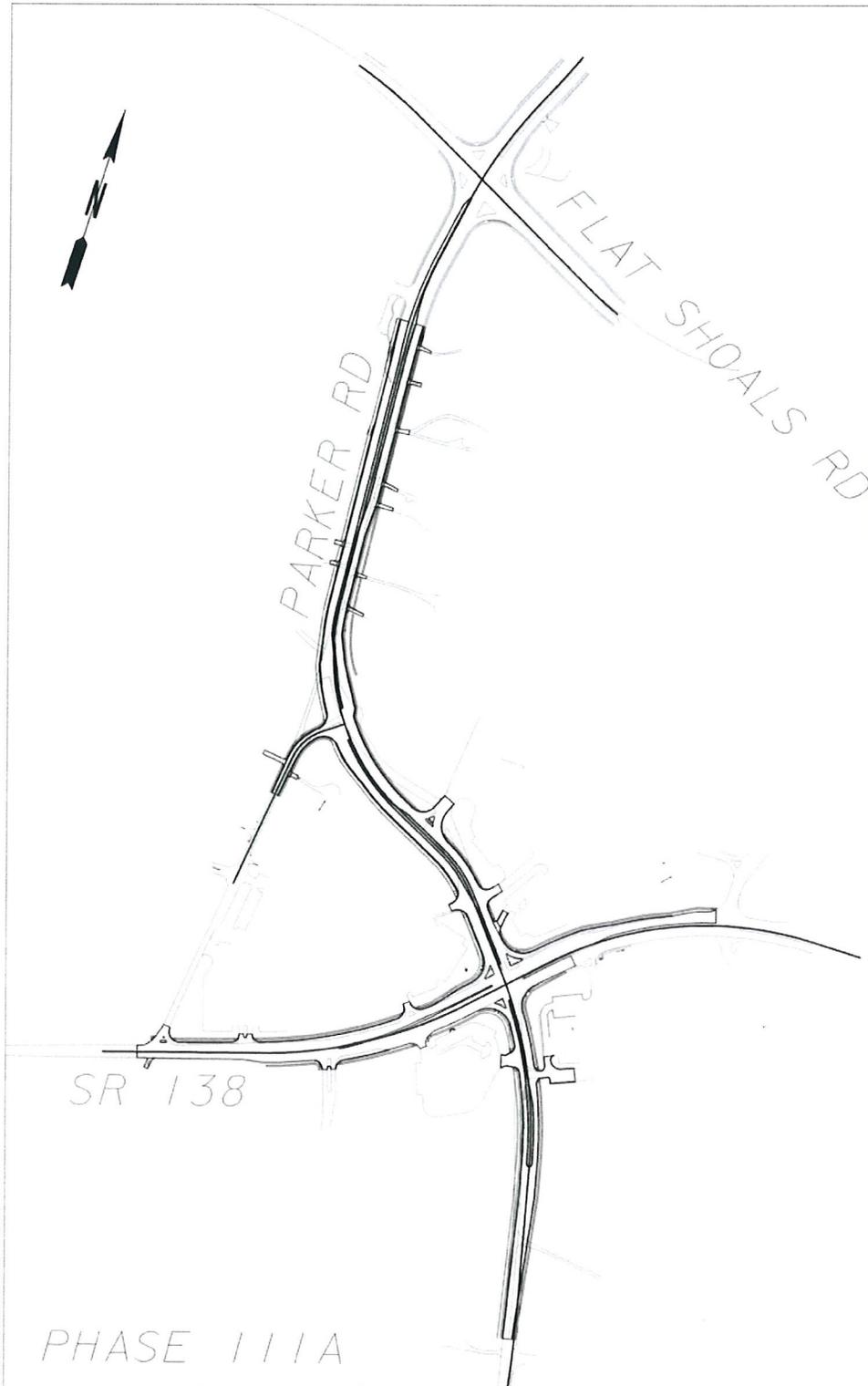
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Project Number: MSL00-0004-00(433)

P.I. Number: 0004433, County: Rockdale

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October 4th, 2010

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Project Number: MSL00-0004-00(433)

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Department of Transportation

