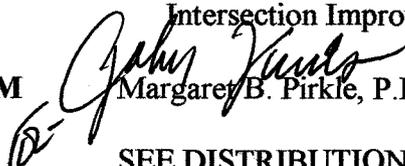


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0004650, Rockdale County **OFFICE** Preconstruction
MSL-0004-00(650)
Sigman Road and Gees Mill Road
Intersection Improvements **DATE** May 16, 2006

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

TO  SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
Jamie Simpson
Michael Henry
Keith Golden
Joe Palladi (file copy)
Paul Liles
Babs Abubakari
Bryant Poole
BOARD MEMBER

David Studstill
Page 2

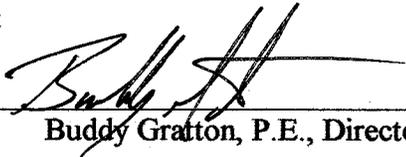
P. I. No. 0004650, Rockdale
May 11, 2006

I recommend this project concept be approved.

MBP:JDQ/cj

Attachment

CONCUR



Buddy Gratton, P.E., Director of Preconstruction

APPROVE



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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District Seven Preconstruction

Project Concept Report

Project Number: MSL-0004-00(650)

County: Rockdale

P. I. Number: 0004650

Federal Route Number: N/A

State Route Number: N/A

Intersection Improvements at Sigman Road and Gees Mill Road

Recommended for approval:

DATE: 5/3/06

DATE: 5/3/06



Project Manager


District Engineer

This 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).

DATE: _____

State Transportation Planning Administrator

DATE: _____

State Environment/Location Engineer

DATE: _____

Office of Financial Management Administrator

DATE: _____

State Traffic Safety & Design Engineer

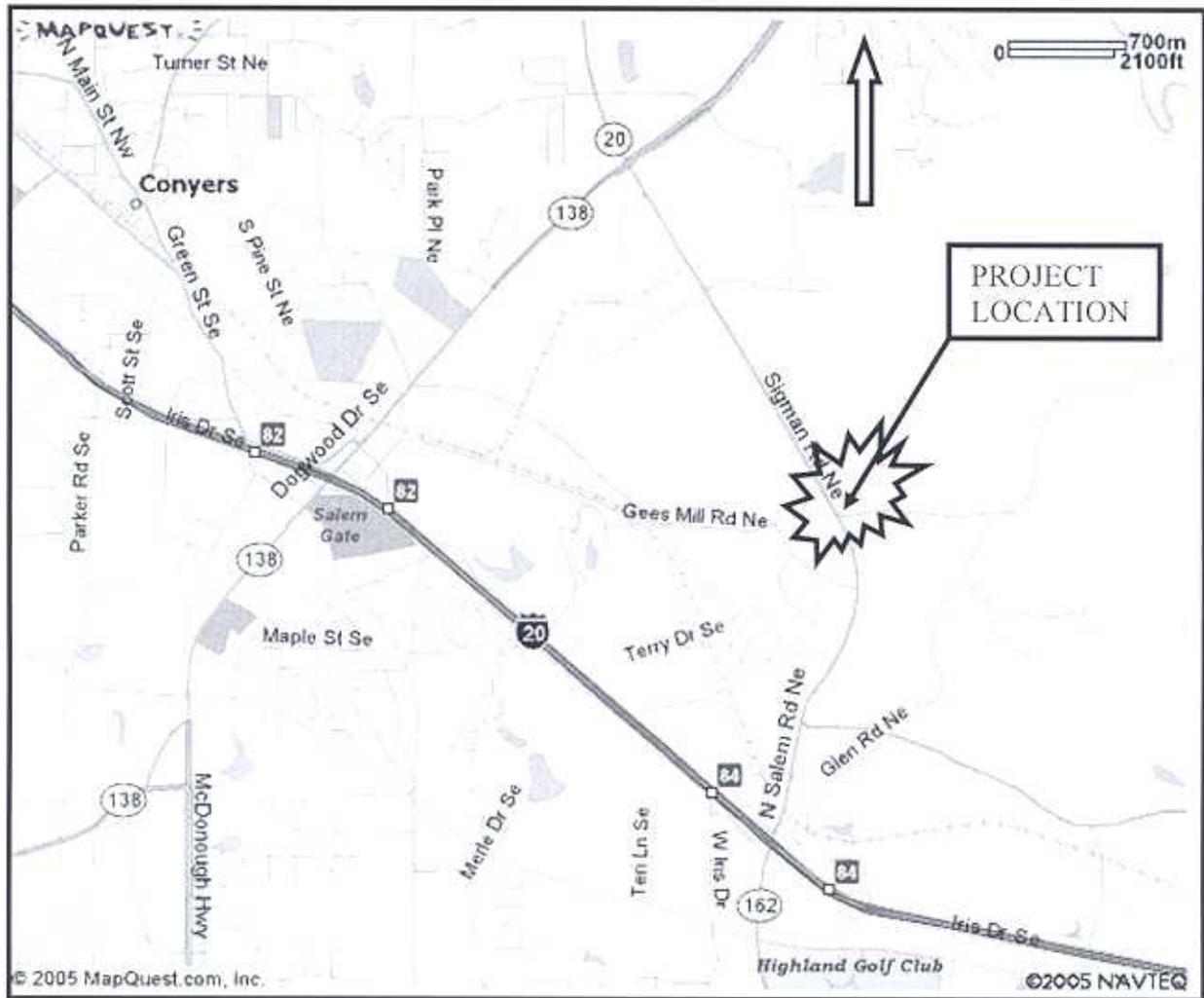
DATE: _____

Project Review Engineer

13 April, 2006

State of Georgia
Department of Transportation

Project Concept Report Page: 1
Project Number: MSL-0004-00(650)
P. I. Number: 0004650
County: Rockdale



Project Location Map

Sigman Road and Gees Mill Road Intersection Improvement

Project Concept Report Page: 2
 Project Number: MSL-0004-00(650)
 P. I. Number: 0004650
 County: Rockdale

Need and Purpose:

The project is needed to improve the safety of the intersection and to reduce traffic congestion. The delay/congestion can be reduced by the implementation of a signalized intersection.

The proposed open to traffic year is 2007 and the design year is projected to 2027. Traffic data was collected at the project site in 2005. Future traffic projections were made based on a 4.28% growth rate averaged from the Georgia Department of Transportation's (GDOT) Average Annual Daily Traffic historic traffic data and Atlanta Regional Commission (ARC) projections.

The study intersection of Sigman Road and Gees Mill Road currently operates as a four-way stop controlled intersection. Sigman Road is a 2-lane roadway with a single through lane for the north and south bound approaches with a continuous flush paved median on the south side which is used as a left turn lane on the northbound approach. Gees Mill Road is a 2-lane roadway with a single through lane for the east and west bound approaches with a dedicated right turn lane for the east bound approach.

Results from existing capacity analysis conducted at the study intersection indicate that the intersection is currently operating below acceptable Level of Service Standards (D). Based on these results, improvements at the study intersection are required to maintain acceptable LOS for future traffic conditions. The proposed improvements include the installation of left and right turn lanes on all approaches of the study intersection. This will allow the departure roadway transition to match the existing roadway approaches. Signalization of the intersection has also been recommended as a proposed improvement to the study intersection. Table 1 summarizes results for existing traffic conditions and future traffic conditions with and without a traffic signal.

Table 1. LOS Summary at Sigman Road and Gees Mill Road

YEAR	UN-SIGNALIZED				SIGNALIZED			
	AM		PM		AM		PM	
	LOS	DELAY (sec)	LOS	DELAY (sec)	LOS	DELAY (sec)	LOS	DELAY (sec)
2005	E	38.5	F	60.7	N/A	N/A	N/A	N/A
2007	E	44.9	E	47.2	A	6.10	A	5.60
2027	F	N/A	F	N/A	C	25.8	D	50.6

A signal warrant investigation was conducted to justify the need for installation of a traffic signal at the study intersection. In accordance with the warrants described in the Manual of Uniform Traffic Control Devices (MUTCD), the following three warrants were reviewed for this investigation:

13 April, 2006

State of Georgia
Department of Transportation

Project Concept Report Page: 3
Project Number: MSL-0004-00(650)
P. I. Number: 0004650
County: Rockdale

- Warrant 1 – Eight Hour Vehicular Volume
- Warrant 2 – Four Hour Vehicular Volume
- Warrant 3 – Peak Hour Volume

The investigation indicates that a traffic signal installation is justified at the study intersection based on warrants 1, 2 and 3, and will continue to meet the signal warrants/needs into the future.

A review of crashes experienced at the intersection over a three year period was conducted. Accident data was collected from January 1, 2002 to December 31, 2004 from the Conyers Police Department and summarized in Table 2. See attachment 4 for accident history details.

Table 2. Accident History Summary at Sigman Road and Gees Mill Road

Year	No of Accidents
2002	5
2003	2
2004	3

Description of the project:

The project location is the intersection of Sigman Road and Gees Mill Road approximately 1.40 miles north of the Interstate 20. Sigman Road is a north-south arterial roadway serving the central section of Rockdale County connecting I-20 with the industrial area of the county. Gees Mill Road is an east-west collector roadway that services the industrial areas in the east section and the rural area in the west section of the county. The project limits on Sigman Road are 1000 feet north and 1000 feet south of the Gees Mill Road centerline. The project limits on Gees Mill Road are 1000 feet east and 1000 feet west of the Sigman Road centerline.

The southbound approach on Sigman Road is a single shared left/through and right lane and the northbound approach has a single left turn lane and a separate shared thru/right lane. On Gees Mill Road, the eastbound approach has a shared single thru/left and a right turn lane and the westbound approach is a shared left/through and right. All lanes are currently 12 feet wide.

The finding from the capacity analysis conducted at this intersection recommends the installation of a traffic signal and turn lanes on all approaches. Based on these recommendations, all approaches of the study intersection are proposed to have one through lane, one right turn lane and one left turn lane. All through lanes are proposed to remain at 12 feet wide. Turn lane requirements are summarized in Table 3.

Table 3. Minimum Turn Lane Storage Based on Capacity Analysis

APPROACH	LENGTH (ft)	
	Right Turn Lane	Left Turn Lane
Eastbound	100	200
Westbound	100	250
Northbound	100	100
Southbound	150	100

This project conforms to Georgia Regional Transportation Authority's (GRTA) goals to attain and maintain conformity with the Federal Air Quality standards, to improve safety, vehicular mobility and decrease time spent in traffic congestion. The project is not anticipated to add capacity.

13 April, 2006

State of Georgia
Department of Transportation

Project Concept Report Page: 5
Project Number: MSL-0004-00(650)
P. I. Number: 0004650
County: Rockdale

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

PDP Classification: Major , Minor

Federal Oversight: Full Oversight , Exempt , State Funded , or Others

Functional Classification: Urban Minor Arterial Street (Sigman Road) and Urban Local (Gees Mill Road) per Rockdale County Comprehensive Transportation Plan Road Classification

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

Traffic (AADT): Design Year: (2027) 33,400 vpd Sigman Rd and 7,700 vpd Gees Mill Rd
Project Year: (2007) 14,400 vpd Sigman Rd and 3,300 vpd Gees Mill Rd

Existing Design Features:

- Typical Section: See Attached
- Posted Speed: 45 mph Maximum degree curvature 7° 15'
- Maximum grade Mainline 5 %
- Maximum grade Side Street 3 %
- Width of right of way: Variable (80 feet to 100 feet)
- Major structures: None
- Major interchanges or intersections along the project: None
- Existing length of roadway segments: 0.379 miles
- Mile Post Reference: Begin approximately MP 0.77; End approximately: MP 1.15

Proposed Design Features:

- Proposed typical section(s): See Attached
- Proposed Design Speed Mainline 45 mph
- Proposed Maximum grade Mainline 5 % Maximum grade allowable 10%
- Proposed Maximum grade Side Street 3 % Maximum grade allowable 10%
- Proposed Maximum grade driveway 20 % Maximum grade allowable +28%
-15%
- Proposed Maximum degree of curve 7° 15' Maximum degree allowable 9°
- Right of way
 - ⇒ Width: Variable (80 feet to 100 feet)
 - ⇒ Easements: Temporary , Permanent , Utility , Others
 - ⇒ Type of access control: Full , Partial , By Permit , Others
 - ⇒ Number of parcels 9 Number of displacements: 0
 - ⇒ Business: 0
 - ⇒ Residents: 0
 - ⇒ Mobile homes: 0

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Project Concept Report Page: 6
Project Number: MSL-0004-00(650)
P. I. Number: 0004650
County: Rockdale

⇒ Others: 0

- Structures:
 - ⇒ Bridges: N/A
 - ⇒ Retaining walls: N/A
- Major intersections and interchanges: 0
- Traffic control during construction: Traffic will be maintained on existing facility.
- Design Exceptions: None.

	UNDETERMINED	YES	NO
HORIZONTAL ALIGNMENT:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ROADWAY WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SHOULDER WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL GRADES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CROSS SLOPES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOPPING SIGHT DISTANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SUPERELEVATION RATES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HORIZONTAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEED DESIGN:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- Design Variances: None
- Environmental Concerns: See Initial Environmental Screening Report.
- Level of environmental analysis:
 - ⇒ Are Time Saving Procedures appropriate? Yes , No
 - ⇒ Categorical Exclusion: Yes , No
 - ⇒ Environmental Assessment/Finding of No Significant Impact (FONSI) , or
 - ⇒ Environmental Impact Statement (EIS) .
- Utility Involvement: Bell BellSouth Telecommunications, Inc, Atlanta Gas & Light Company, Georgia Power Company, Snapping Shoals EMC, Comcast of Georgia, Inc., MCI Communications, AT & T, Walton EMC and Rockdale County Water Resources (Water & Sewer).

Project responsibilities:

- ⇒ Preliminary Engineering: Rockdale County/LAI Engineering
- ⇒ Right of Way Acquisition: Rockdale County
- ⇒ Relocation of Utilities: Rockdale County Local Government Agreement
- ⇒ Letting to contract: Rockdale County
- ⇒ Supervision of construction: Rockdale County
- ⇒ Providing material pits: Roadway contractor to provide
- ⇒ Providing detours: None needed

13 April, 2006

State of Georgia
Department of Transportation

Project Concept Report Page: 7
Project Number: MSL-0004-00(650)
P. I. Number: 0004650
County: Rockdale

Coordination:

- Concept Team Meeting Date 10/20/05
- P. A. R. Meeting Date N/A
- Public involvement: A public meeting is to be conducted by Rockdale County
- Local government comments: On Wednesday, June 15, 2005, LAI met with Rockdale County representatives to review draft concept plan and report. Action items are listed in the attached meeting minutes
- Other projects in area: Rockdale County has programmed 2 projects in Sigman Road as part of their Comprehensive Transportation Plan.
 - ⇒ Sigman Road east of Lester Road to Irwin Bridge Road GDOT P.I. 752190
 - ⇒ Sigman Road from Irwin Bridge Road to SR 20/SR 138GDOT P.I. 752200
- Railroads: N/A
- Relocation: N/A
- Other coordination to date: None

Scheduling – Responsible Parties' Estimate

- Time to complete environmental process: 6 Months.
- Time to complete preliminary construction plans: 3 Months.
- Time to complete right of way plans: 2 Months.
- Time to complete the Section 404 Permit: N/A Months.
- Time to complete final construction plans: 3 Months.
- Time to complete to purchase right of way: 9 Months.
- List other major items that will affect the project schedule: N/A Months.

Other alternates considered: No Build

Comments:

This project is being funded by a combination of GRТА and Rockdale County 2004 SPLOST funds. Entire project administered by Rockdale County under oversight by Georgia Department of Transportation.

Attachments:

1. Capacity Analysis
2. Preliminary Cost Estimate
3. Typical Sections (Existing and Proposed)
4. Existing Conditions and Proposed Improvements (Aerial View)
5. Accident Summaries
6. Traffic Count Summary
7. Local Government Project Agreement (LGPA)
8. Minutes of Concept Team Meeting
9. Notice of Location and Design Approval

Capacity Analysis
Sigman Rd @ Gees Mill Rd

Existing Conditions
2005 AM Peak hour



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations		←	↗		↕		↖	↕			↕		
Sign Control		Stop			Stop			Stop			Stop		
Volume (veh/h)	17	16	10	73	63	37	9	473	36	10	384	13	
Peak Hour Factor	0.57	0.57	0.57	0.83	0.83	0.83	0.86	0.86	0.86	0.83	0.83	0.83	
Hourly flow rate (veh/h)	30	28	18	88	76	45	10	550	42	12	463	16	
Direction Lane #	EB 1	EB 2	WB 1	NB 1	NB 2	SB 1							
Volume Total (vph)	58	18	208	10	592	490							
Volume Left (vph)	30	0	88	10	0	12							
Volume Right (vph)	0	18	45	0	42	16							
Adj (s)	0.1	-0.6	0.0	0.2	0.0	0.0							
Departure Headway (s)	7.6	3.2	6.9	6.3	6.1	5.9							
Degree Utilization x	0.12	0.02	0.40	0.02	1.00	0.81							
Capacity (veh/h)	436	1121	492	563	592	597							
Control Delay (s)	11.6	6.3	14.3	8.2	59.0	29.0							
Approach Delay (s)	10.4		14.3	58.1		29.0							
Approach LOS	B		B	F		D							
Intersection Summary													
Delay	38.5												
HCM Level of Service	E												
Intersection Capacity Utilization	56.6%						ICU Level of Service						A

Capacity Analysis
Sigman Rd @ Gees Mill Rd

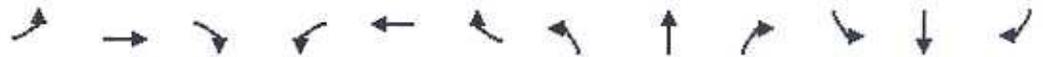
Existing Conditions
2005 PM Peak hour



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔	↗		↔		↖	↗			↔	
Sign Control		Stop			Stop			Stop			Stop	
Volume (veh/h)	44	79	19	59	35	5	4	377	105	29	523	27
Peak Hour Factor	0.79	0.79	0.79	0.75	0.75	0.75	0.81	0.81	0.81	0.95	0.95	0.95
Hourly flow rate (veh/h)	56	100	24	79	47	7	5	465	130	31	551	28
Direction Lane #	EB 1	EB 2	WB 1	NB 1	NB 2	SB 1						
Volume Total (vph)	156	24	132	5	595	609						
Volume Left (vph)	56	0	79	5	0	31						
Volume Right (vph)	0	24	7	0	130	28						
Hadj (s)	0.1	-0.6	0.1	0.2	-0.1	0.0						
Departure Headway (s)	7.6	3.2	7.7	6.7	6.3	6.1						
Degree Utilization, x	0.33	0.02	0.28	0.01	1.05	1.04						
Capacity (veh/h)	462	1121	453	532	575	593						
Control Delay (s)	14.3	6.3	13.7	8.5	74.2	72.1						
Approach Delay (s)	13.2		13.7	73.7		72.1						
Approach LOS	B		B	F		F						
Intersection Summary												
Delay	60.7											
HCM Level of Service	F											
Intersection Capacity Utilization	84.2%			ICU Level of Service			D					

Capacity Analysis
Sigman Rd & Gees Mill Rd

2025 Projected Conditions
AM Peak Analysis



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑	↗	↖	↑	↗	↖	↑	↗	↖	↑	↗
Design Flow (vph/pl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	200		150	250		100	100		200	100		100
Storage Lanes	1		1	1		1	1		1	1		1
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)	38	38	5	38	38	5	38	366	5	38	366	5
Trailing Detector (ft)	-2	-2	0	-2	-2	0	-2	360	0	-2	360	0
Turning Speed (mph)	15		9	15		9	15		9	15		9
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped/Bike Factor												
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	1863	1583	1770	1863	1583
Flt Permitted	0.475			0.730			0.109			0.062		
Satd. Flow (perm)	885	1863	1583	1360	1863	1583	203	1863	1583	115	1863	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			26			97			24			6
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Link Speed (mph)		45			45			45			45	
Link Distance (ft)		3752			4040			3000			3645	
Travel Time (s)		56.8			61.2			45.5			55.2	
Volume (vph)	40	37	23	171	147	87	21	1107	84	23	899	30
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	44	41	26	190	163	97	23	1230	93	26	999	33
Lane Group Flow (vph)	44	41	26	190	163	97	23	1230	93	26	999	33
Turn Type	pm+pt		Free	pm+pt		Free	Perm		Free	Perm		Free
Protected Phases	7	4		3	8			2			6	6
Permitted Phases	4		Free	8		Free	2		Free	6		Free
Detector Phases	7	4		3	8		2	2			6	6
Minimum Initial (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Minimum Split (s)	10.0	20.0		10.0	20.0		20.0	20.0		20.0	20.0	
Total Split (s)	12.0	20.0	0.0	12.0	20.0	0.0	68.0	68.0	0.0	68.0	68.0	0.0
Total Split (%)	12%	20%	0%	12%	20%	0%	68%	68%	0%	68%	68%	0%
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
Lead/Lag	Lead	Lag		Lead	Lag							
Lead/Lag Optimize?	Yes	Yes		Yes	Yes							
Recall Mode	None	None		None	None		Min	Min		Min	Min	
Act Effect Green (s)	15.9	11.3	93.8	17.3	12.7	93.8	66.4	66.4	93.8	66.4	66.4	93.8
Actuated g/C Ratio	0.16	0.12	1.00	0.18	0.14	1.00	0.71	0.71	1.00	0.71	0.71	1.00

Capacity Analysis
Sigman Rd & Gees Mill Rd

2025 Projected Conditions
AM Peak Analysis



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
V/c Ratio	0.21	0.19	0.02	0.66	0.64	0.06	0.16	0.93	0.06	0.32	0.76	0.02
Uniform Delay, d1	30.0	40.5	0.0	32.5	39.3	0.0	5.0	13.0	0.0	5.7	9.6	0.0
Delay	28.6	37.2	0.0	32.3	38.6	0.0	8.0	34.9	0.0	11.4	13.1	0.0
LOS	C	D	A	C	D	A	A	C	A	B	B	A
Approach Delay		25.1			27.6			32.0			12.7	
Approach LOS		C			C			C			B	
Queue Length 50th (ft)	21	23	0	98	96	0	5	682	0	6	404	0
Queue Length 95th (ft)	48	54	0	161	164	0	19	#1096	0	35	672	0
Internal Link Dist. (ft)		3672			3960			2920			3565	
50th Up Block Time (%)												
95th Up Block Time (%)												
Turn Bay Length (ft)	200		150	250		100	100		200	100		100
50th Bay Block Time %								30%			27%	
95th Bay Block Time %								35%			32%	
Queuing Penalty (veh)								7			7	

Intersection Summary

Area Type: Other
 Cycle Length: 100
 Actuated Cycle Length: 93.8
 Natural Cycle: 100
 Control Type: Actuated-Uncoordinated
 Maximum v/c Ratio: 0.93
 Intersection Signal Delay: 24.2
 Intersection LOS: C
 Intersection Capacity Utilization 88.6%
 ICU Level of Service D
 Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 3: Gees Mill Road & Sigman Road

Capacity Analysis
Sigman Rd @ Gees Mill Rd

2025 Projected Conditions
PM Peak Analysis



Lane Group	EB	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑	↗	↖	↑	↗	↖	↑	↗	↖	↑	↗
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	200		150	250		100	100		200	100		100
Storage Lanes	1		1	1		1	1		1	1		1
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)	38	38	5	38	38	5	38	366	5	38	366	5
Trailing Detector (ft)	-2	-2	0	-2	-2	0	-2	360	0	-2	360	0
Turning Speed (mph)	15		9	15		9	15		9	15		9
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Red Bike Factor												
Frts			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	1863	1583	1770	1863	1583
Flt Permitted	0.486			0.429			0.044			0.158		
Satd. Flow (perm)	905	1863	1583	799	1863	1583	82	1863	1583	294	1863	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			47			13			69			7
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		3752			4040			846			734	
Travel Time (s)		56.8			61.2			19.2			16.7	
Volume (vph)	103	185	45	138	82	12	9	882	246	68	1224	63
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	114	206	50	153	91	13	10	980	273	76	1360	70
Lane Group Flow (vph)	114	206	50	153	91	13	10	980	273	76	1360	70
Turn Type	pm+pt		Free	pm+pt		Free	Perm		Free	Perm		Free
Protected Phases	7	4		3	8		2	2		6	6	
Permitted Phases	4		Free	8		Free	2		Free	6		Free
Detector Phases	7	4		3	8		2	2		6	6	
Minimum Initial (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Minimum Split (s)	10.0	20.0		10.0	20.0		20.0	20.0		20.0	20.0	
Total Split (s)	16.0	25.0	0.0	11.0	20.0	0.0	94.0	94.0	0.0	94.0	94.0	0.0
Total Split (%)	12%	19%	0%	8%	15%	0%	72%	72%	0%	72%	72%	0%
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
Lead/Lag	Lead	Lag		Lead	Lag							
Lead-Lag Optimize?	Yes	Yes		Yes	Yes							
Recall Mode	None	None		None	None		Min	Min		Min	Min	
Act. Effct. Green (s)	28.1	18.0	127.0	21.2	14.1	127.0	90.1	90.1	127.0	90.1	90.1	127.0
Actuated g/C Ratio	0.22	0.14	1.00	0.17	0.11	1.00	0.71	0.71	1.00	0.71	0.71	1.00

Capacity Analysis
Sigman Rd @ Gees Mill Rd

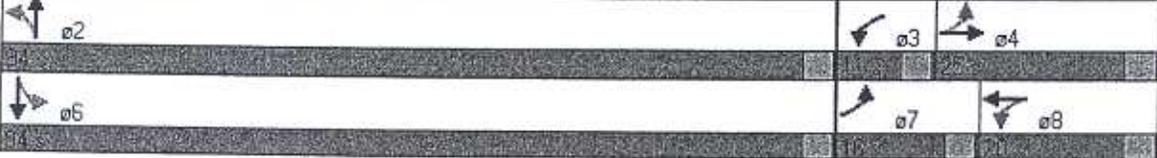
2025 Projected Conditions
PM Peak Analysis



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.42	0.78	0.03	0.82	0.44	0.01	0.17	0.74	0.17	0.36	1.03	0.04
Uniform Delay, d1	40.4	52.6	0.0	43.9	52.7	0.0	6.1	11.4	0.0	7.2	18.5	0.0
Delay	40.5	53.2	0.0	57.7	53.4	0.0	8.7	12.5	0.0	9.1	52.0	0.0
LOS	D	D	A	E	D	A	A	B	A	A	D	A
Approach Delay		42.1			53.2			9.8			47.5	
Approach LOS		D			D			A			D	
Queue Length 50th (ft)	78	166	0	107	72	0	3	466	0	23	1222	0
Queue Length 95th (ft)	132	253	0	#212	129	0	13	674	0	60	#1516	0
Internal Link Dist. (ft)		3672			3960			766			654	
50th Up Block Time (%)											17%	
95th Up Block Time (%)								1%			28%	
Turn Bay Length (ft)	200		150	250		100	100		200	100		100
50th Bay Block Time %								24%			28%	
95th Bay Block Time %		21%						27%			30%	
Queuing Penalty (veh)		12						2			22	

Intersection Summary
 Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 127
 Natural Cycle: 130
 Control Type: Actuated-Uncoordinated
 Maximum v/c Ratio: 1.03
 Intersection Signal Delay: 33.3 Intersection LOS: C
 Intersection Capacity Utilization 107.6% ICU Level of Service F
 Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 3: Gees Mill Road &



Sigman Road and Gees Mill Road Intersection

LAI Engineering Project number 4261

Opinion of Cost

Rockdale County, Georgia

Ga Dot Project Number MSL-004-00(650)

PI No 0004650

Construction Cost

Item #	Description	Units	Quantity	Unit Cost	Total
150-1000	Traffic Control	Lump	1	\$20,000.00	\$20,000.00
163-0232	Temporary Grassing	Ac	2	\$2,000.00	\$4,000.00
163-0240	Mulch	Ton	4	\$1,000.00	\$4,000.00
165-0030	Maint of silt fences	LF	5,000	\$1.50	\$7,500.00
171-0030	Installation of silt fences	LF	3,000	\$4.00	\$12,000.00
210-0100	Grading Complete(2500 cut-3000 fill)	Lump	1	\$45,000.00	\$45,000.00
310-1101	Graded Aggregate Base	Ton	2,000	\$20.00	\$40,000.00
318-3000	Aggregate surface course	Ton	200	\$25.00	\$5,000.00
402-****	Asphaltic concrete	Ton	1,700	\$65.00	\$110,500.00
441-0016	Driveway Concrete, 6 inch thick	SY	30	\$35.00	\$1,050.00
441-0104	Concrete Sidewalk, 4 in	SY	100	\$25.00	\$2,500.00
441-6216	Concrete Curb and Gutter 8 by 24, tp 2	LF	500	\$15.00	\$7,500.00
441-4020	Concrete Valley Gutter, 6 in	SY	30	\$38.00	\$1,140.00
441-5002	Concrete Header curb, 6inch tp 2	LF	100	\$15.00	\$1,500.00
441-0204	Concrete ditch paving	SY	300	\$40.00	\$12,000.00
500-3107	Retaining Walls	SF	1,300	\$21.00	\$27,300.00
641-****	Guard Rail	LF	800	\$25.00	\$20,000.00
500-3200	Class B concrete base for widening	CY	20	\$150.00	\$3,000.00
611-3000	Reconstruct existing catch basin	Each	1	\$2,200.00	\$2,200.00
668-1100	Catch Basin	Each	3	\$1,800.00	\$5,400.00
550-****	Storm Drainage piping	LF	200	\$50.00	\$10,000.00
	Signage and marking	Lump	1	\$15,000.00	\$15,000.00
647-1000	Traffic Signal	Lump	1	\$95,000.00	\$95,000.00
700-6910	Permanent grassing	LS	1	\$2,000.00	\$2,000.00
716-2000	Erosion Control Mats	SY	3,000	\$1.50	\$4,500.00
Total					\$458,090.00
15% Contingency					\$68,713.50
Estimate of Construction Cost					\$526,803.50

Right of Way Cost, Paid to Property Owners

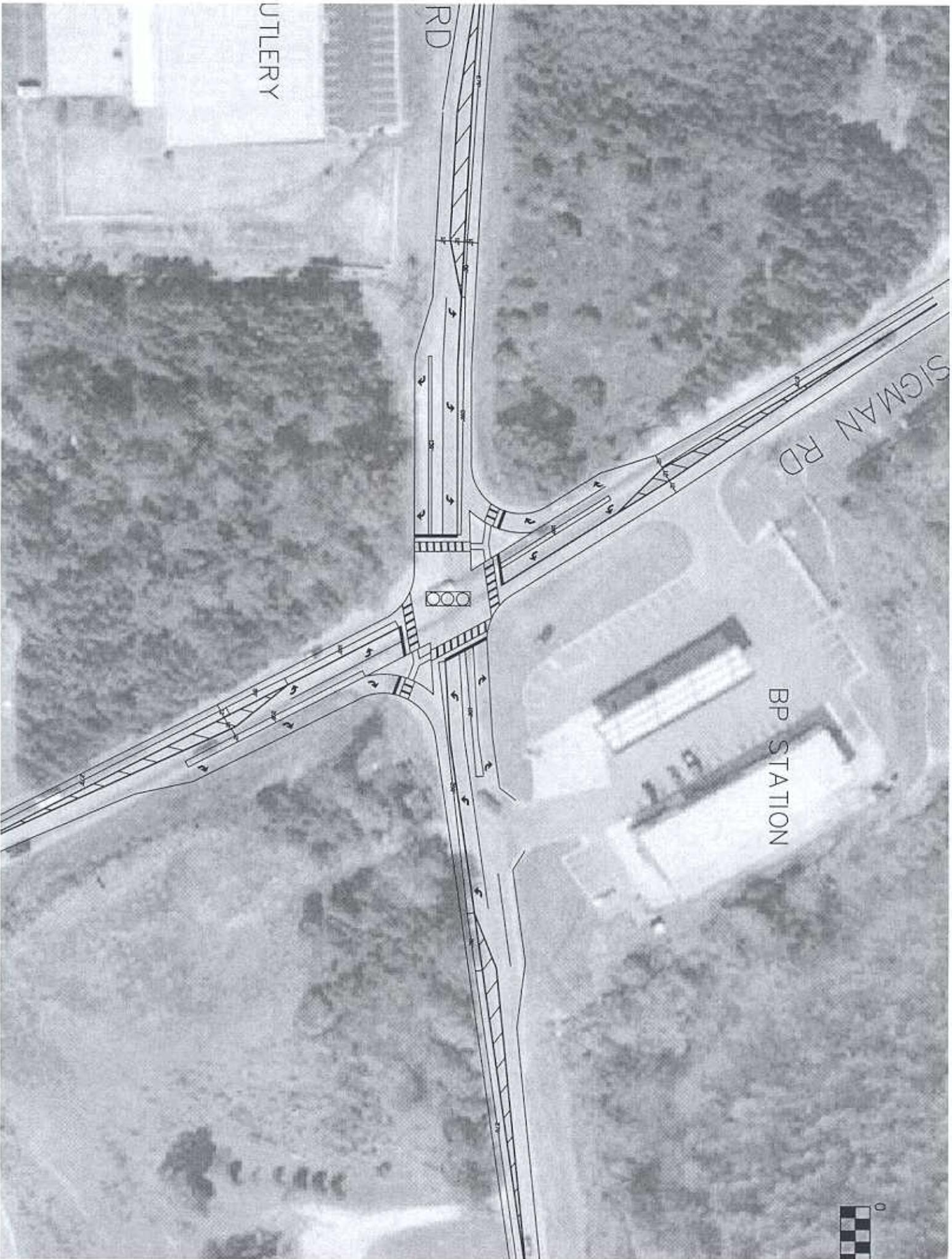
Fee Simple	SF	15,000	\$12.00	\$180,000.00
Temporary Easements	SF	30,000	\$2.00	\$60,000.00
Permanent Easements	SF	3,000	\$5.00	\$15,000.00
Total				\$255,000.00
50% Contingency				\$127,500.00
Estimate of Right of Way Cost				\$382,500.00



Total Cost of Right of Way and Construction

Cost estimates are based on **CONCEPT PLANS**

\$909,303.50

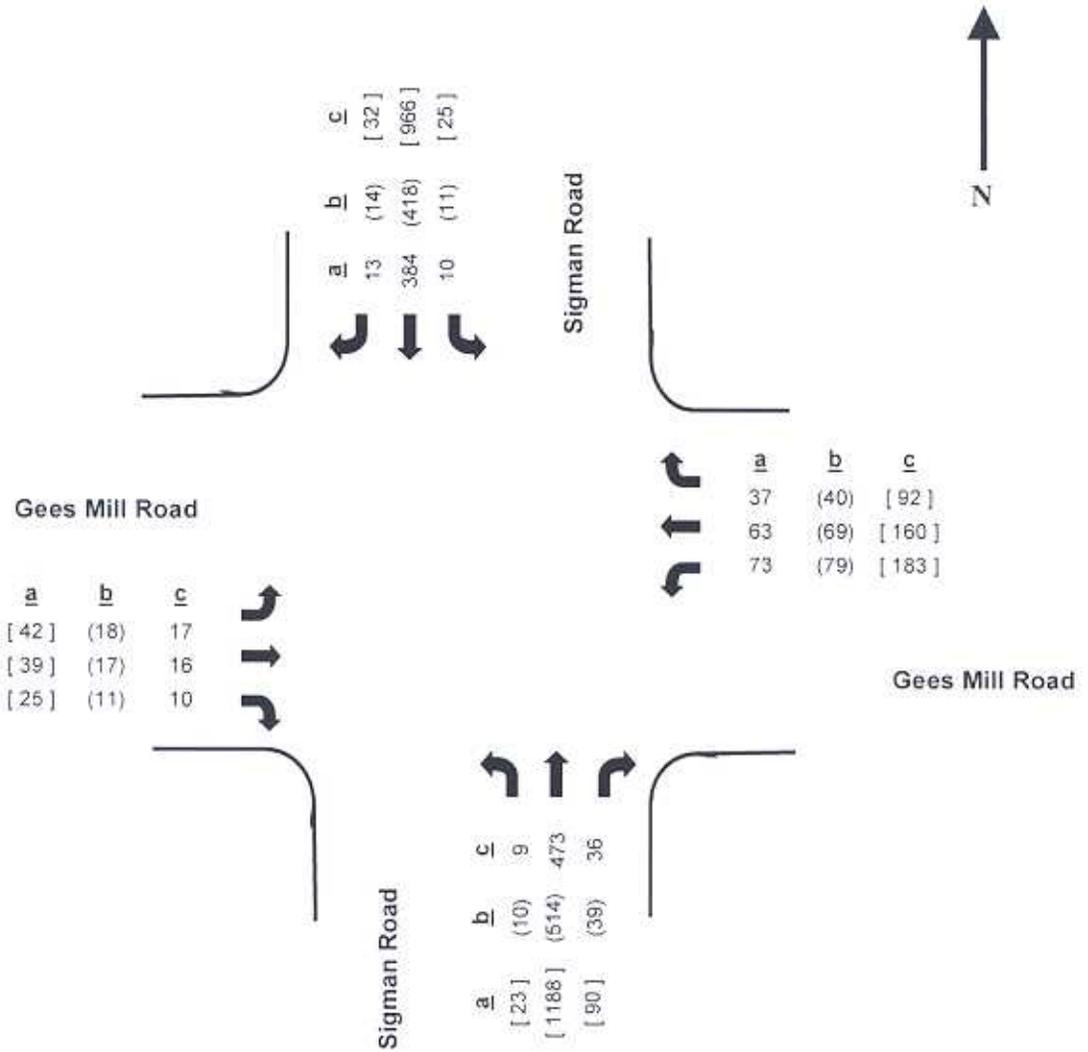


DETAILS OF ACCIDENT HISTORY

PERIOD STUDIED: FROM: <u>1/1/2002</u> TO: <u>12/31/2004</u> 36 MONTHS	ROUTE NUMBER/STREET NAME: <u>Sigman Road and Gees Mill</u> LOCATION: <u>Sigman Rd and Gees Mill Rd</u> MUNICIPALITY: <u>Conyers</u> COUNTY: <u>Rockdale</u> REFERENCE MARKERS / NODES: _____	CASE No. _____ FILE: <u>Sigman Rd</u> BY: <u>rhw</u> DATE: <u>6/27/2005</u>
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No.	DATE	TIME	# VEHICLES INVOLVED	SEVERITY	L I G H T C O N D	R O A D C H A R E	S U R F A C E	W E A T H E R	CONTRIB. FACTORS	ACC. TYPE	ACCIDENT DESCRIPTION	KEY #
3	10/30/2004	10:01	3	PDO	1	2	1	1	7	Ltrn	V2 was attempting to turn left when struck by V1	
7	6/26/2002	13:44	2	INJ	1	2	2	3	17	Ltrn	V1 struck V2 as V2 attempted to make a left turn	
8	10/15/2002	14:50	2	PDO	1	2	2	3	40 40	Ltrn	V1 & V2 arrived & departed at same time; V2 struck V1	
1	5/22/2004	15:41	2	PDO	1	2	3	3	7 17	Rang	Veh 1. was traveling south & hit veh. 2 traveling west	
4	3/23/2002	12:16	2	PDO	1	2	1	1	42	Rang	V1 brakes failed and hit V2 as V2 was entering intersection	
6	5/29/2002	8:33	2	PDO	1	2	1	1	4 4	Rang	Both veh entered the intersection after stop V1 struck V2	
10	6/20/2003	7:37	2	PDO	2	2	1	1	17	Rang	Disregarding the stop sign, V1 struck V2	
5	3/27/2002	7:52	2	PDO	1	2	1	1	60	Rend	V1 & V2 had stopped at sign when V2 sputtered & hit V1 in rear	
9	5/2/2003	20:38	2	PDO	3	2	1	1	15	Rend	V2 had stopped at intersection when V1 struck it from the rear	
2	10/26/2004	14:26	1	PDO	1	2	1	1	5	ROR	V1 was going west tried to turn left and ran off the road	

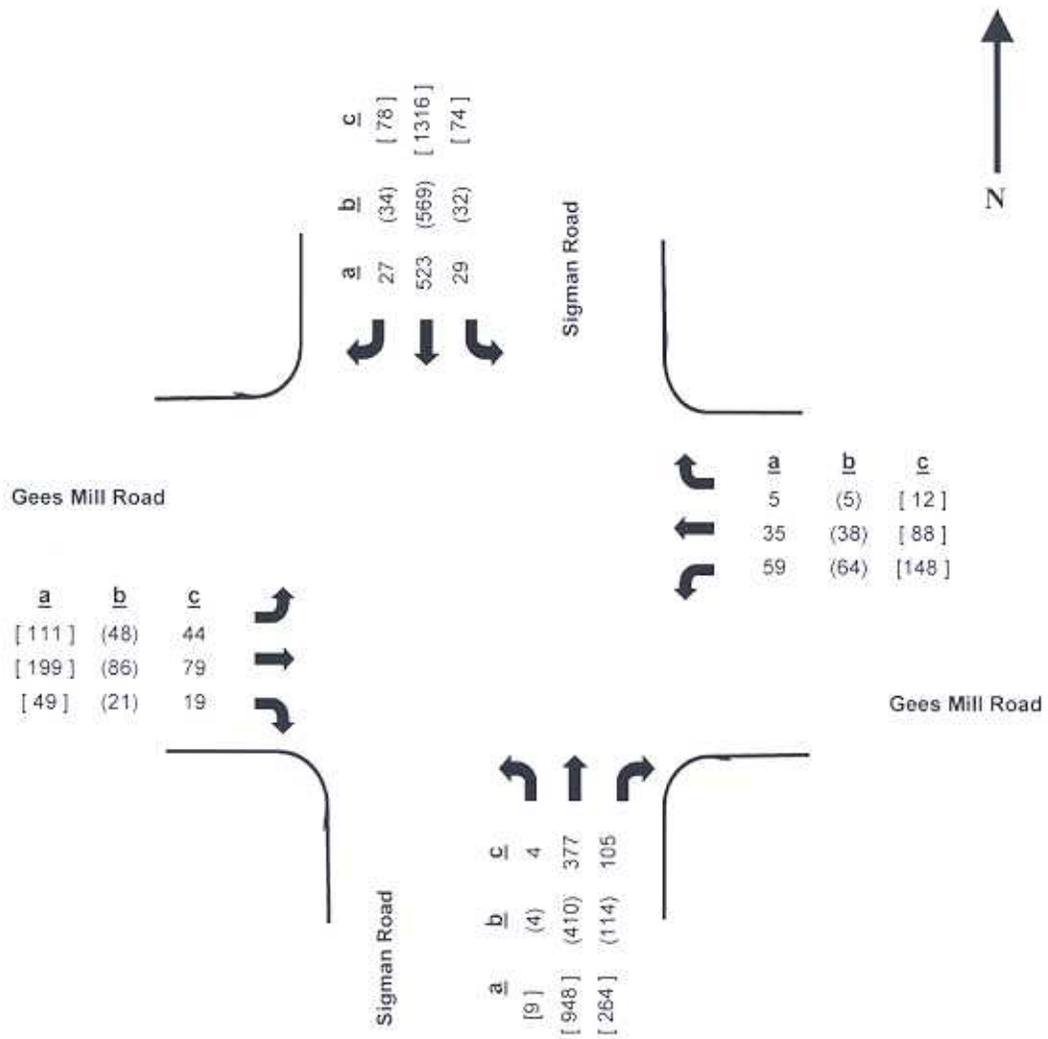
EXISTING AND PROJECTED TRAFFIC VOLUMES FOR SIGMAN ROAD AND GEES MILL ROAD (AM PEAK HOUR TRAFFIC CONDITIONS)



Legend

- a # Existing Turning Movement Count (4/21/2005)
- b (#) Design Turning Movement Count (2007)
- c [#] Projected Turning Movement Count (2027)

EXISTING AND PROJECTED TRAFFIC VOLUMES FOR SIGMAN ROAD AND GEES MILL ROAD (PM PEAK HOUR TRAFFIC CONDITIONS)



Legend

- a # Existing Turning Movement Count (4/21/2005)
- b (#) Design Turning Movement Count (2007)
- c [#] Projected Turning Movement Count (2027)

LOCAL GOVERNMENT PROJECT AGREEMENT

BETWEEN

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

AND

ROCKDALE COUNTY, GEORGIA

FOR

PRIORITY LAND TRANSPORTATION PROJECT
SIGMAN ROAD AT GEES MILL ROAD

This AGREEMENT is made and entered into this 29th day of Sept, 2003, by and between the DEPARTMENT OF TRANSPORTATION, an agency of the State of Georgia, hereinafter called the "DEPARTMENT", and ROCKDALE COUNTY, GEORGIA, acting by and through its Chairman and Board of Commissioners, hereinafter called the "COUNTY".

WHEREAS, the COUNTY has represented to the DEPARTMENT a desire to construct the land transportation project described as Sigman Road at Gees Mill Road in Rockdale County, Georgia, currently described as Georgia Department of Transportation Project Number MSL-0004-00(650), P. I. Number 0004650, hereinafter referred to as the "PROJECT"; and

WHEREAS, the DEPARTMENT, the COUNTY, the Georgia Regional Transportation Authority, a public authority of the State of Georgia ("GRTA"), and the State Road and Tollway Authority, a public authority of the State of Georgia ("SRTA"), previously entered into an Intergovernmental Agreement Relating to Land Public Transportation Systems and Land Transportation Projects ("Intergovernmental Agreement") concerning specific commitments of the respective parties to support the implementation of this PROJECT; and

WHEREAS, the COUNTY has represented to the DEPARTMENT a desire to participate in certain activities of the PROJECT as set forth in this AGREEMENT, and the DEPARTMENT has relied upon such representations; and

WHEREAS, the DEPARTMENT has expressed a willingness to participate in certain activities of the PROJECT as set forth in this AGREEMENT.

NOW, THEREFORE in consideration of the mutual promises made and of the benefits to flow from one to the other, the DEPARTMENT and the COUNTY hereby agree each with the other as follows:

1. The COUNTY shall fund all costs for the PROJECT'S preconstruction engineering (design) activities, right of way acquisitions, utility relocations, and construction ("phases"). To fulfill its commitment, the COUNTY may utilize COUNTY funds, the funds identified in the Intergovernmental Agreement, or seek additional funding through, and in accordance with the existing regional transportation TIP or STIP programming process. The amount currently identified in the Intergovernmental Agreement for this project is \$862,000.00.
2. The DEPARTMENT shall support the implementation of the PROJECT as outlined in the Intergovernmental Agreement and the parties recognize that no funding is currently available in the regional transportation programming process. Funding for this PROJECT is limited to that amount currently identified in paragraph 1 of this Agreement. The COUNTY shall be responsible for all costs for providing energy, maintenance, and operational costs of any roadway and interchange lighting within the PROJECT limits.
3. The COUNTY shall be responsible for all costs for providing energy, maintenance, and operational costs of any roadway and interchange lighting within the PROJECT limits.
4. The COUNTY shall be responsible for all costs for the continual maintenance and the continual operations of any and all sidewalks within the PROJECT limits.
5. Both the COUNTY and the DEPARTMENT hereby acknowledge that TIME IS OF THE ESSENCE for the implementation of this PROJECT. Both parties shall adhere to the priorities established in the detailed project schedule attached as Schedule A of the Addendum to Local Government Project Agreement, ("Schedule A"), and the approved State Transportation Improvement Program ("STIP") or earlier. In the completion of respective commitments contained herein, changes may be made to the schedule if mutually identified and agreed upon, in writing, by the DEPARTMENT, the COUNTY, GRTA, and SRTA. If, for any reason, the COUNTY does not produce acceptable deliverables at the milestone dates defined in Schedule A or the STIP, the DEPARTMENT reserves the right to delay the PROJECT'S implementation until the COUNTY comes into compliance with the Schedule A or until a revision can be mutually agreed upon.
6. All preconstruction engineering activities shall be accomplished by the COUNTY and in accordance with the DEPARTMENT'S Plan Development Process, the applicable guidelines of the American Association of State Highway and Transportation Officials, hereinafter referred to as "AASHTO", the DEPARTMENT'S Standard Specifications for the Construction of Transportation Systems, PROJECT schedules, Plan Presentation Guide, and applicable guidelines of the DEPARTMENT. The COUNTY'S responsibility for design shall include, but is not limited to the following items:

- a. Prepare the PROJECT concept report in accordance with the format used by the DEPARTMENT. The concept for the PROJECT shall be developed to accommodate the future traffic volumes as generated by the COUNTY as provided for in paragraph 6b and approved by the DEPARTMENT. The concept report shall be approved by the DEPARTMENT prior to the COUNTY beginning further development of the PROJECT plans. It is recognized by the parties that the approved concept may be modified by the COUNTY as required by the DEPARTMENT and re-approved by the DEPARTMENT during the course of design due to public input, environmental requirements, or right of way considerations.
- b. Develop the PROJECT'S base year (year facility is expected to be open to traffic) and design year (base year plus 20 years) traffic volumes. This shall include average daily traffic (ADT) and morning (am) and evening (p.m.) peak hour volumes. The traffic shall show all through and turning movement volumes at intersections for the ADT and peak hour volumes and shall indicate the percentage of trucks expected on the facility.
- c. Validate (check and update) the approved PROJECT concept and prepare a PROJECT Design Book for approval by the DEPARTMENT prior to the beginning of preliminary plans.
- d. Prepare environmental studies, documentation, and reports for the PROJECT that show the PROJECT is in compliance with the provisions of the National Environmental Protection Act, ("NEPA"). This shall include, but not be limited to, any and all archaeological, historical, ecological, air, noise, underground storage tanks (UST), hazardous waste site, and environmental justice studies required. The COUNTY shall submit to the DEPARTMENT all environmental documents and reports for review and approval by the DEPARTMENT and the FHWA.
- e. Prepare all public hearing and public information displays and conduct all required public hearings and public information meetings in accordance with DEPARTMENT practices.
- f. Perform all surveys, mapping, and soil investigation studies needed for design of the PROJECT.
- g. Perform all work required to obtain project permits, including, but not limited to, US Army Corps of Engineers 404 and Federal Emergency Management Agency (FEMA) approvals. These efforts shall be coordinated with the DEPARTMENT.
- h. Prepare the PROJECT'S drainage design including erosion control plans and the development of the hydraulic studies for the Federal Emergency Management Agency Floodways and acquisition of all necessary permits associated with the drainage design.

- i. Prepare traffic studies, preliminary construction plans, preliminary and final utility plans, preliminary and final right of way plans, staking of the required right of way, and final construction plans including signing, marking, and signal plans, erosion control, traffic handling, and construction sequence plans and specifications including special provisions for the PROJECT.
 - j. The COUNTY shall be responsible for the design of all bridge(s) and preparation of any required hydraulic and hydrological studies within the limits of this PROJECT in accordance with the DEPARTMENT'S policies and guidelines. The COUNTY shall perform all necessary survey efforts in order to complete the design of the bridge(s) and prepare any required hydraulic and hydrological studies. The final bridge plans shall be incorporated into this PROJECT as a part of this AGREEMENT.
 - k. Provide certification, by a Georgia Registered Professional Engineer, that the construction plans have been prepared under the guidance of the professional engineer and are in accordance with AASHTO and DEPARTMENT guidelines.
 - l. Failure of the COUNTY to follow the DEPARTMENT'S Plan Development Process will jeopardize the use of Federal funds and it shall be the responsibility of the COUNTY to make up a loss of that funding.
7. All Primary Consultant firms hired by the COUNTY to provide services on the PROJECT shall be pre-qualified with the DEPARTMENT in the appropriate area-classes. The DEPARTMENT shall, on request, furnish the COUNTY with a list of pre-qualified consultant firms in the appropriate area-classes.
 8. The PROJECT construction and right of way plans shall be prepared in English Units.
 9. All drafting and design work performed on the project shall be done utilizing Microstation and CAiCE software, respectively, and shall be organized as per the DEPARTMENT'S guidelines on electronic file management.
 10. The DEPARTMENT shall review and has approval authority for all aspects of the PROJECT. The DEPARTMENT will work with the FHWA to obtain all needed approvals with information furnished by the COUNTY.
 11. Upon the COUNTY'S determination of the rights of way required for the PROJECT and the approval of the right of way plans by the DEPARTMENT, the necessary rights of way for the PROJECT shall be acquired by the COUNTY. Right of way acquisition shall be in accordance with the law and the rules and regulations of the FHWA including, but not limited to, Title 23, United States Code; 23 CFR 710, et. seq., and 49 CFR Part 24, and the rules and regulations of the DEPARTMENT, and in accordance with the Contract for Acquisition of Right of Way to be

prepared by the DEPARTMENT and executed between the COUNTY and the DEPARTMENT prior to the commencement of any right of way activities. Failure of the COUNTY to follow these requirements may result in the loss of Federal funding for the PROJECT and it will be the responsibility of the COUNTY to make up the loss of that funding. All required right of way shall be obtained and cleared of obstructions, including underground storage tanks, prior to advertising the PROJECT for bids. The COUNTY shall further be responsible for making all changes to the approved right of way plans, as deemed necessary by the DEPARTMENT, for whatever reason, as needed to purchase the right of way or to match actual conditions encountered.

12. The COUNTY shall follow the DEPARTMENT'S procedures for identification of existing and proposed utility facilities on the PROJECT. These procedures, in part, require all requests for existing, proposed, or relocated facilities to flow through the DEPARTMENT'S Project Liaison and the District Utilities Engineer.
13. The COUNTY shall address all railroad concerns, comments, and requirements to the satisfaction of the DEPARTMENT.
14. Upon completion and approval of the PROJECT plans, certification that all needed rights of way have been obtained and cleared of obstructions, and that certification that all needed permits for the PROJECT have been obtained, the COUNTY shall let the PROJECT for construction. The COUNTY shall be solely responsible for securing and awarding the construction contract for the PROJECT. The COUNTY shall perform and bear all costs associated with inspection and materials testing during construction. Such inspection and materials testing shall be done in accordance with the Transportation Online Policy and Procedure System 5020-1 on file at the DEPARTMENT and available to the COUNTY.
15. The COUNTY shall review and recommend all shop drawings to the DEPARTMENT for approval by the DEPARTMENT.
16. The COUNTY agrees that all reports, plans, drawings, studies, specifications, estimates, maps, computations, computer diskettes and printouts, and any other data prepared under the terms of this agreement shall become the property of the DEPARTMENT. This data shall be organized, indexed, bound, and delivered to the DEPARTMENT no later than the advertisement of the PROJECT for letting. The DEPARTMENT shall have the right to use this material without restriction or limitation and without compensation to the COUNTY.
17. The COUNTY shall be responsible for the professional quality, technical accuracy, and the coordination of all designs, drawings, specifications, and other services furnished by or on behalf of the COUNTY pursuant to this AGREEMENT. The COUNTY shall correct or revise, or cause to be corrected or revised, any errors or deficiencies in the designs, drawings, specifications, and other services furnished for this PROJECT. Failure by COUNTY to address the errors or deficiencies within 30 days shall cause the COUNTY to assume all responsibility for construction delays caused by the errors and deficiencies. All revisions shall be coordinated with the

DEPARTMENT prior to issuance. The COUNTY shall, to the extent allowable by law, also be responsible for any claim, damage, loss or expense that is attributable to negligent acts, errors, or omissions related to the designs, drawings, specifications, and other services furnished by or on behalf of the COUNTY pursuant to this AGREEMENT.

18. The County shall Certify that the provisions of Section 36-81-7 of the Official Code of Georgia Annotated, relating to the "Requirements of Audits" as complied with in full such that:
 - a. Each Unit of local government having a population in excess of 1,500 persons or expenditures of \$175,000.00 or more shall provide for and cause to be made an annual audit of the financial affairs and transactions of all funds and activities of the local government for each fiscal year of the local government.
 - b. The governing authority of each local unit of government not included above shall provide for and cause to be made the audit required not less often than once every two fiscal years.
 - c. The governing authority of each local unit of government having expenditures of less than \$175,000.00 in that government's most recently ended fiscal year may elect to provide for and cause to be made, in lieu of the biennial audit, an annual report of agreed upon procedures for that fiscal year.
 - d. A copy of the report and any comments made by the state auditor shall be maintained as a public record for public inspection during the regular working hours at the principal office of the local government. Those units of local government not having a principal office shall provide notification to the public as to the location of and times during which the public may inspect the report.
19. This AGREEMENT is made and entered into in Fulton County, Georgia, and shall be governed and construed under the laws of the State of Georgia. The covenants herein contained shall, except as otherwise provided, accrue to the benefit of and be binding upon the successors and assigns of the parties hereto.
20. The parties agree this AGREEMENT shall not be binding and neither party hereto shall have any obligation or liability to the other whatsoever under this AGREEMENT unless and until such time as that certain Addendum to Local Government Project Agreement (Arterial Road Project) regarding the PROJECT shall have been (a) executed and delivered by the parties, and acknowledged and consented to by the SRTA and GRTA, and (b) attached to this AGREEMENT.
21. This AGREEMENT contains the entire understanding between the parties relating to the subject matter of the previously executed Local Government Project Agreement and supercedes all prior oral and written understandings, arrangements and agreements between the parties relating thereto. Any amendments to this AGREEMENT must be in writing, executed by the parties and have express reference to be made a part of this AGREEMENT.

IN WITNESS WHEREOF, the DEPARTMENT and the COUNTY have caused these presents to be executed under seal by their duly authorized representatives.

RECOMMENDED:

BOARD OF COMMISSIONERS
Rockdale County, Georgia

Burdette A. A.
District Engineer

BY: *Norman Wheeler*
Chairman

Norman R. ...
Director of Preconstruction

Signed, sealed and delivered this day of
29 Sept 2003, in the _____ presence of:

Paul W. ...
Chief Engineer

Walter W. ...
Witness

Debbie Lafontaine
Notary Public
Rockdale Co. Notary Public
My Commission Expires:
JUNE 21, 2006

DEPARTMENT OF TRANSPORTATION

BY: *Harold ...*
Commissioner *Elle*

This Agreement approved by the Rockdale
County Commission at a meeting held at
901 Main Street this
29th day of Sept., 2003.

ATTEST:
Paul ...
Treasurer *SA*

Don Rutledge
Clerk of Commission

Reviewed as to Legal Form:
[Signature]
Office of Legal Services

2. Projects. The PROJECT identified under this Addendum to the Local Government Project Agreement is acknowledged to be one of the Land Transportation Projects specified in the Intergovernmental Agreement. The COUNTY acknowledges and agrees that the PROJECT is and shall at all times be for the essential public purpose of providing facilities and services to meet land public transportation needs and environmental standards for the State of Georgia and to aid in the accomplishment of the purposes of GRTA.
3. Schedule. In addition to the provisions of the Local Government Project Agreement, the DEPARTMENT and the COUNTY recognize the need to maintain the PROJECT schedule for SRTA purposes and shall complete the PROJECT in accordance with the detailed project schedule attached hereto as Schedule A as near as practicable, provided that SRTA shall be notified by the COUNTY if a PROJECT milestone will be missed and what corrective actions will take place to reinstate the PROJECT schedule.
4. Funding. Notwithstanding the provisions of the Local Government Project Agreement, the PROJECT shall be funded as described in the Intergovernmental Agreement and as set forth below:
 - 4.1 The COUNTY will submit requisitions to the DEPARTMENT solely for, and will apply the proceeds received from the DEPARTMENT solely to, the payment of costs associated with the PROJECT.
 - 4.2 Each requisition for funds shall include the certifications substantially as described in Schedule B hereto, including a certificate of compliance with the Sources and Uses of Funds attached as Schedule C hereto (the "Sources and Uses of Funds Schedule") or an explanation of variances thereto.
 - 4.3 Each requisition for funds shall include evidence of payment by the COUNTY of the work or services for which the COUNTY would seek reimbursement.
5. Applicable Regulations. The COUNTY shall follow the DEPARTMENT's Plan Development Process and all applicable federal regulations, requirements, and restrictions in order to maintain federal eligibility for reimbursement through the Federal Highway Administration, if any, regardless of fund availability through the Intergovernmental Agreement.
6. Intergovernmental Agreement. The Intergovernmental Agreement is hereby incorporated in this Addendum by this reference. Nothing contained herein shall modify or amend any provision of the Intergovernmental Agreement. In the event of a conflict between the Local Government Project Agreement, this Addendum to the Local Government Project Agreement, and the Intergovernmental Agreement, the provisions of the Intergovernmental Agreement shall control.
7. No Further Modification. In the event of any inconsistency between the Local Government Project Agreement and this Addendum, the terms of this Addendum shall control. Except as otherwise modified herein, all terms and conditions in the Local Government Project Agreement shall remain in full force and effect.

8. Limited Purposes. The parties to this Addendum acknowledge and agree that this is a limited undertaking for the sole purpose of addressing the matters expressly agreed to herein. The parties hereto agree to work together in good faith to resolve any issues that arise and are not addressed in this Addendum.
9. Non-Discrimination. During the term of this Addendum, the parties agree to abide by the provisions of Executive Order 11246 on non-discrimination and will not discriminate against any person because of race, color, religion, sex or national origin. The parties will take affirmative action to ensure that perspective employees are employed without regard to their race, color, religion, sex or national origin. It is further agreed that the parties shall comply and shall require their contractors and consultants to comply with the regulations for COMPLIANCE WITH TITLE VI OF THE CIVIL RIGHTS ACT OF 1964, as amended, and 23 CFR 200.
10. Awards of Contract. The parties agree that in any contracts to be developed and awarded pursuant to this Addendum and all work and procedures relating to said contracts shall, at all times, conform to the applicable Federal and State of Georgia laws, rules, regulations, orders and approvals, including specifically procedures and requirements relating to labor standards, equal employment opportunity, non-discrimination and compliance with the Americans with Disabilities Act.
11. Miscellaneous.
 - 11.1 Assignment. Without the express written consent of the other parties, no party may assign, in whole or in part, any of its rights and obligations hereunder to any other party.
 - 11.2 No Third-Party Beneficiaries. Nothing herein shall be construed as conferring upon or giving to any person or entity, other than the parties hereto, any rights or benefit under or by reason of this Addendum.
 - 11.3 Notices. It shall be sufficient service or any notice, approval, consent, request, complaint, demand or other communication if the same shall be delivered or mailed by first class registered or certified mail, return receipt requested, or by facsimile transmission immediately followed by a telephone call to confirm receipt, and addressed as follows:

If to the DEPARTMENT:

Georgia Department of Transportation
No. 2 Capital Square
Atlanta, Georgia 30334
Attention: J. Tom Coleman, Jr., Commissioner
(404) 656-5206
(404) 657-8389 Fax

If to the COUNTY: Rockdale County
962 Milstead Avenue
Conyers, Georgia 30012
Attn: Norman Wheeler, Chairman
770-929-4053

The date upon which such notice is delivered will be deemed the date of receipt thereof. The persons listed above may, by notice given hereunder, designate any further or different addresses to which subsequent notices, approvals, consents, requests, complaints, demands or other communications shall be sent or persons to whose attention the same shall be directed.

- 11.4 Governing Law. This Addendum shall be governed by and interpreted in accordance with the laws of the State of Georgia.
- 11.5 Headings. The section and paragraph headings contained in this Addendum are for reference purposes only and shall not affect the meaning or interpretation of this Addendum.
- 11.6 No Waivers. No failure of a party to exercise any power given such party hereunder or to insist upon strict compliance by the other to its obligation hereunder, and no custom or practice of the parties in variance with the terms hereof, shall constitute a waiver of any rights of a party to demand exact compliance with the terms hereof.
- 11.7 Severability. If any provision of this Addendum, or any portion thereof, should be ruled void, invalid, unenforceable or contrary to public policy by any court of competent jurisdiction, then any remaining portion of such provision and all other provisions of this Addendum shall survive and be applied, and any invalid or unenforceable portion shall be construed or reformed to preserve as much of the original words, terms, purpose and intent as shall be permitted by law.
- 11.8 Interpretation. Should any provision of this Addendum require judicial interpretation, it is agreed and stipulated by and between the parties hereto that the court interpreting or construing the same shall not apply a presumption that the terms, conditions and provisions hereof shall be more strictly construed against one party by reason of the rule of construction that an instrument is to be construed more strictly against the party who prepared the same.
- 11.9 Time of the Essence. Time is of the essence in this Addendum and with respect to each and every provision herein.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the DEPARTMENT and the COUNTY have hereunto executed this Addendum and affixed their seal through their duly authorized representatives, who have been first authorized to do so, on the day and year first above specified.

Rockdale COUNTY

By: Norman Wheeler

Name: Norman Wheeler

Title: Chairman



By: Jennifer Rutledge
Name: Jennifer Rutledge
Title: County Clerk

APPROVED AS TO FORM:

By: [Signature]

APPROVED PER MINUTES:

By: [Signature]

DEPARTMENT OF
TRANSPORTATION,
STATE OF GEORGIA

By: Harold E. Linwood

Name: HAROLD E. LINWOOD

Title: Commissioner

APPROVED AS TO FORM:

By: Sandra S. Berger

ACKNOWLEDGED AND CONSENTED TO BY:

STATE ROAD AND
TOLLWAY AUTHORITY

By: [Signature]
Name: _____
Title: _____

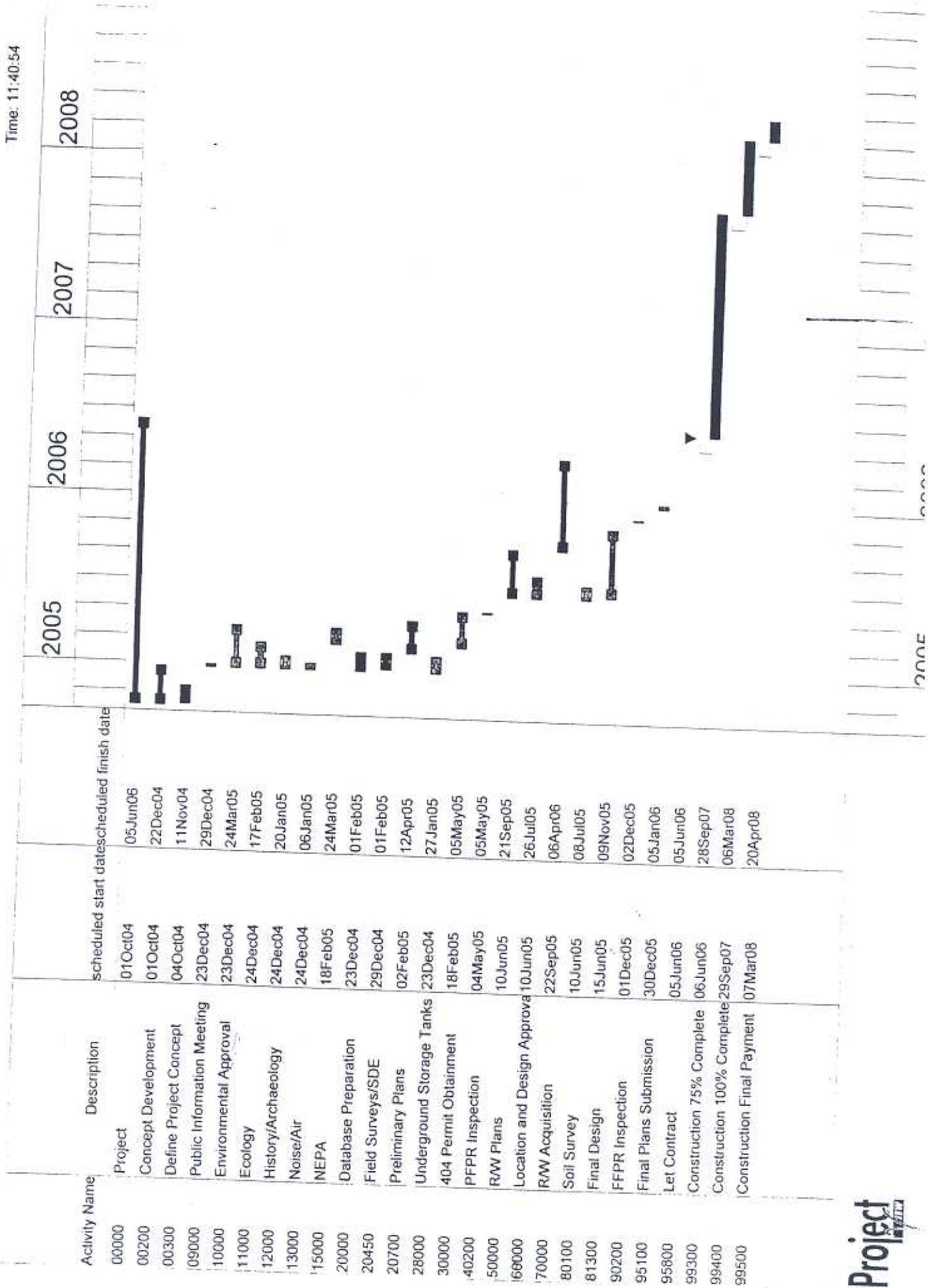
GEORGIA REGIONAL
TRANSPORTATION
AUTHORITY

By: [Signature]
Name: _____
Title: _____

Schedule A

County	Proj Id	Description	Activity Description	Sched Finish
ROCKDALE	0004650	SIGMAN ROAD AT GEES MILL ROAD	PE Funding Authorization	30-Sep-2004
			Environmental Approval Complete	24-Mar-2005
			Let Contract	5-Jun-2006
			Construction 75% Complete	28-Sep-2007
			Construction 100% Complete	6-Mar-2008
			Construction Final Payment	20-Apr-2008

Project : 0004650(0) SIGMAN ROAD AT GEES MILL ROAD



Schedule B

Requisition Form

As the _____ of the COUNTY, I hereby certify that an obligation in the stated amount has been incurred by the COUNTY for the PROJECT, as defined in that certain Local Government Project Agreement dated _____, as amended by Addendum to Local Government Project Agreement (Arterial Road Project) dated _____ (as amended, the "LGPA"), as follows:

[specify the purpose and circumstances of such obligation in reasonable detail],

that a bill or statement of amount for such obligation or a copy thereof is on file with the COUNTY, that such obligation has been paid by the COUNTY, and, has not been the subject of a previous requisition, and [is] [is not] in compliance with the Sources and Uses of Funds Schedule (as defined in the LGPA). *[If not in compliance, specify the variances here:*
_____.]

I oversee systems to discover errors, if any, in the information described in the foregoing sentence, and upon any such discovery will submit a corrective requisition posthaste.

Name: _____

Title: _____

Date: _____

**ALLOCATIONS
CASH FLOW SCHEDULE C**

Projected Cash Flow by Month

For Project Number

0004650

FOR FUNDCODE

LGPAA

Report Date: August 15, 2003

Month	Year	PI#	Pe Amount	ROW Amount	Cst Amount	Total
July	2004	0004650	\$10,800.00	\$0.00	\$0.00	\$10,800.00
August	2004	0004650	\$10,800.00	\$0.00	\$0.00	\$10,800.00
September	2004	0004650	\$2,000.00	\$0.00	\$0.00	\$2,000.00
October	2004	0004650	\$2,000.00	\$0.00	\$0.00	\$2,000.00
November	2004	0004650	\$2,000.00	\$0.00	\$0.00	\$2,000.00
December	2004	0004650	\$2,000.00	\$0.00	\$0.00	\$2,000.00
Total for Year:	2004		\$29,600.00	\$0.00	\$0.00	\$29,600.00
January	2005	0004650	\$2,000.00	\$0.00	\$0.00	\$2,000.00
February	2005	0004650	\$2,000.00	\$0.00	\$0.00	\$2,000.00
March	2005	0004650	\$2,000.00	\$0.00	\$0.00	\$2,000.00
April	2005	0004650	\$2,000.00	\$0.00	\$0.00	\$2,000.00
May	2005	0004650	\$2,000.00	\$0.00	\$0.00	\$2,000.00
June	2005	0004650	\$10,800.00	\$4,000.00	\$0.00	\$14,800.00
July	2005	0004650	\$600.00	\$4,000.00	\$0.00	\$4,600.00
August	2005	0004650	\$600.00	\$4,000.00	\$0.00	\$4,600.00
September	2005	0004650	\$600.00	\$72,000.00	\$0.00	\$72,600.00
October	2005	0004650	\$600.00	\$72,000.00	\$0.00	\$72,600.00
November	2005	0004650	\$600.00	\$14,400.00	\$0.00	\$15,000.00
December	2005	0004650	\$600.00	\$14,400.00	\$0.00	\$15,000.00
Total for Year:	2005		\$24,400.00	\$184,800.00	\$0.00	\$209,200.00
January	2006	0004650	\$2,400.00	\$14,400.00	\$0.00	\$16,800.00
February	2006	0004650	\$2,400.00	\$14,400.00	\$0.00	\$16,800.00
March	2006	0004650	\$2,400.00	\$14,400.00	\$0.00	\$16,800.00
April	2006	0004650	\$3,600.00	\$6,000.00	\$0.00	\$9,600.00
May	2006	0004650	\$3,600.00	\$6,000.00	\$0.00	\$9,600.00
June	2006	0004650	\$3,600.00	\$0.00	\$0.00	\$3,600.00
July	2006	0004650	\$0.00	\$0.00	\$0.00	\$0.00
August	2006	0004650	\$0.00	\$0.00	\$28,875.00	\$28,875.00
September	2006	0004650	\$0.00	\$0.00	\$28,875.00	\$28,875.00
October	2006	0004650	\$0.00	\$0.00	\$28,875.00	\$28,875.00
November	2006	0004650	\$0.00	\$0.00	\$28,875.00	\$28,875.00
December	2006	0004650	\$0.00	\$0.00	\$28,875.00	\$28,875.00
Total for Year:	2006		\$18,000.00	\$55,200.00	\$144,375.00	\$217,575.00
January	2007	0004650	\$0.00	\$0.00	\$28,875.00	\$28,875.00
February	2007	0004650	\$0.00	\$0.00	\$28,875.00	\$28,875.00
March	2007	0004650	\$0.00	\$0.00	\$28,875.00	\$28,875.00
April	2007	0004650	\$0.00	\$0.00	\$23,100.00	\$23,100.00
May	2007	0004650	\$0.00	\$0.00	\$23,100.00	\$23,100.00
June	2007	0004650	\$0.00	\$0.00	\$23,100.00	\$23,100.00
Total for Year:	2007		\$0.00	\$0.00	\$303,875.00	\$303,875.00
July	2007	0004650	\$0.00	\$0.00	\$23,100.00	\$23,100.00
August	2007	0004650	\$0.00	\$0.00	\$23,100.00	\$23,100.00
September	2007	0004650	\$0.00	\$0.00	\$25,437.50	\$25,437.50
October	2007	0004650	\$0.00	\$0.00	\$25,437.50	\$25,437.50
November	2007	0004650	\$0.00	\$0.00	\$25,437.50	\$25,437.50
December	2007	0004650	\$0.00	\$0.00	\$25,437.50	\$25,437.50
Total for Year:	2007		\$0.00	\$0.00	\$303,875.00	\$303,875.00
January	2008	0004650	\$0.00	\$0.00	\$25,437.50	\$25,437.50
February	2008	0004650	\$0.00	\$0.00	\$25,437.50	\$25,437.50
March	2008	0004650	\$0.00	\$0.00	\$25,437.50	\$25,437.50
April	2008	0004650	\$0.00	\$0.00	\$25,437.50	\$25,437.50
Total for Year:	2008		\$0.00	\$0.00	\$101,750.00	\$101,750.00
Total \$ for the Fundcode:			\$72,000.00	\$240,000.00	\$550,000.00	\$862,000.00

Minutes of Concept Report Meeting:

Project: Sigman Road and Gees Mill Road Intersection
Improvements and Traffic Signal Installation
PI#: 0004650
Location of Meeting: District Seven Preconstruction Conference Room
Date: October 04, 2005 1:00PM
Persons in Attendance: see attached list of attendees

Items Discussed:

1. An overview of the project was presented by Stuart Stokes with LAI Engineering on behalf of Rockdale County. In general, the project involves the construction of minimal length left turn lane approaches and right turn lanes and the installation of a traffic signal. The project is part of Rockdale County's SpLost Program.
2. The database of existing features was displayed along with the conceptual layout showing equal widening about the existing center line.
3. It is anticipated that GDOT Engineering Services will hold a field plan review.
4. Discussions related to the project and the associates' utility companies was conducted as it related to their facilities. General consensus is that if the facility is relocated it would need to be outside of the 18 foot clear zone.
5. Speed Design will be 45 mph, which is the current posted speed.
6. The turn lanes are designed for 20 year growth patterns.
7. Federal funds are being used which will require federal clearances.
8. The Draft Concept Report was reviewed and the requested changes are to be incorporated into the Final Concept Report.
9. The project would be an asphalt overlay project unless pavement cores indicated full depth replacement. Coring to be provided by Rockdale County(LAI).
10. Rockdale County (LAI) is responsible for preparation of Final Plans.
11. Environmentals have been started by Rockdale County (Edwards-Pitman).
12. Meeting was adjourned with Rockdale County to revise the concept report and resubmit based on Red-Lined comments provided by John Griffith and transmitted to LAI Engineering.

Record of Attendees

Project: Sigman Road and Gees Mill Road Intersection Improvements and Traffic Signal Installation
PI#: 0004650

Location of Meeting: District Seven Preconstruction Conference Room
Date: October 04, 2005 1:00PM

Name	Organization	Telephone	Email Address
1. Ralph L. Merrow	GDOT/District 7 Preconstruction	404-463-4947	ralph.merrow@dot.state.ga.us
2. Jon D. Griffith	GDOT/District 7 Preconstruction	404-463-4947	jon.griffith@dot.state.ga.us
3. Ray McEachern	GDOT/District 7 Traffic OPS	404-463-4964	ray.mceachern@dot.state.ga.us
4. Zanda Montgomery	GDOT/District 7 Environmental	404-463-4947	zanda.montgomery@dot.state.ga.us
5. Mike Lobdell	GDOT/District 7	404-463-4947	mike.lobdell@dot.state.ga.us
6. Lisa Favors	GDOT	404-699-6883	lisa.favors@dot.state.ga.us
7. Marshall Troup	GDOT/District 7	404-463-4947	marshall.troup@dot.state.ga.us
8. Stuart Stokes	LAI/Rockdale County	770-423-0807	stuart@laiengineering.com
9. Shannon L Hebb	Jacobs/Rockdale County	770-785-5935	shannon.hebb@rockdalecounty.com
10. Jerrell Thompson	GDOT/District 7	404-463-4947	jerrell.thompson@dot.state.ga.us
11. Scott Lee	GDOT/District 7	404-463-4947	scott.lee@dot.state.ga.us
12. Sharon Witherspoon	GDOT/District 7/Utilities	404-463-4953	sharon.witherspoon@dot.state.ga.us

- | | | | |
|--------------------|---------------------|--------------|--|
| 13. Geoff Dennis | Rockdale County | 770-918-6541 | geoff.dennis@rockdalecounty.org |
| 14. Wayne Kitchens | Snapping Shoals EMC | 770-385-2709 | wkitchens@ssemc.com |
| 15. Dale Petticord | GA Power Co. | 404-506-4425 | dapettic@southernco.com |
| 16. David Williams | GA Power Co. | 404-506-1736 | djwillia@southernco.com |

MEETING SUMMARY

Project No. MLS-0004-00(650)
PI No. 0004650

LAI Project: 4261

Meeting Date: June 15, 2005
Summary Prepared: June 16, 2005

Project Name: Sigman Road and Gees Mill Road, Rockdale County, Georgia
Place: 962 Milstead Avenue, Conyers, GA
Prepared By: Stuart Stokes/Ricky White

Present:

Rockdale County:
Frank Hellman, PE
Charles McGiboney, PE
Robert Taylor
LAI Engineering:
Louis Chalmers, PE
Stuart Stokes, PE

Copies To: Those Present

All participants are asked to review this summary and report any discrepancies by June 21, 2005 to Stuart Stokes at:

LAI Engineering
1800 Parkway Place
Suite 720
Marietta, GA 30067

(770) 423-0807 ext. 106 Fax: (770) 423-1262
E-mail: stuart@laiengineering.com

The following are issues and actions items discussed in the meeting regarding the Sigman Road and Gees Mill Road intersection improvements:

- 1.The concept report shall show the design year to be 2007 and 2027. This is the year the project is anticipated to be opened to traffic and the 20 year projection.
- 2.The county does not have a minimum truck percentage for the pavement design. The pavement design will be based on the actual percentage of trucks in the traffic data collection.
- 3.The concept for the public meeting is to show proposed / required right of way and easements along with the cut and fill limits.
- 4.The signal will be designed to have mast arms installed.
- 5.The City of Conyers tree ordinance will be used for all landscape items on this project.
- 6.The right turn lanes shall be verified to be long enough to store right turning vehicles and not block vehicles turning left from the left turn lane.

7. The deliverables for the concept public meeting are to be as follows:
- Plan view of the project at 1" = 50'
 - Profile of the existing and proposed vertical profile
 - Half size plan view of the project for handouts
 - General information handout in accordance with the County's guidelines
 - All items are to be stamped "Preliminary/Concept".

8. LAI is to conceptually identify the area need / size and space requirements in order to comply with the storm water requirements as set out in the Blue Book, "Georgia Stormwater Management". This should be accomplished within the existing right of ways.

Action Items:

LAI

- Will contact Mr. Scott Lee, with GDOT District 7, regarding the minimum number of pavement corings to take.
- Will contact Mike Coleman or Marshal Troupe with GDOT District 7 to verify the correct concept report format.
- Is to start the environmental assessment immediately.
- Will have 4 sets/copies of the concept in final form ready for the County's review and internal distribution by June 21, 2005.

Rockdale County

- Will perform the actual pavement corings.
- Will review Environmental Site Assessment and Geo-technical reports
- Will coordinate with GDOT regarding the signal upgrade design schedule and status

NOTE: A list of those present with contact information is attached to this summary.

CONTACT LIST

Frank Hellman, P.E.
Program Manager
Rockdale County Public Works and Engineering Dept.
2570 OLD COVINGTON HIGHWAY, SW
Conyers, Georgia 30012

770-785-6910
770-785-6909 fax
E-mail: frank.hellman@rockdalecounty.org

Charles McGiboney, P.E.
Deputy Director
Rockdale County Public Works and Engineering Dept.
958 Milstead Avenue
Conyers, Georgia 30012

770-929-4001
770-483-4376 fax
E-mail: charles.mcgiboney@rockdalecounty.org

Robert Taylor, P.E.
Senior Stormwater Engineer
Rockdale County Stormwater Management
958 Milstead Avenue
Conyers, GA 30012

770-785-6918
770-785-6909 fax
E-mail: bob.taylor@rockdalecounty.org

Louis A. Chalmers, Jr., P.E.
Vice President
LAI Engineering
1800 Parkway, Suite 720
Marietta, GA 30067

770-423-0807
770-423-1262 fax
E-mail: louisc@laiengineering.com

Stuart C. Stokes, P.E.
Chief Engineer
LAI Engineering
1800 Parkway, Suite 720
Marietta, GA 30067

770-423-0807
770-423-1262 fax
E-mail: stuarts@laiengineering.com

NOTICE OF LOCATION AND DESIGN APPROVAL

MSL-0004-00(650), Rockdale County
P.I. No. 0004650

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

Date of Location and Design Approval: May 16, 2006

The project is located entirely within Rockdale County and within Land Lots 344, 345, 346, and 347 in District 16.

This project is an intersection improvement at Sigman and Gees Mill Roads. Proposed improvements include adding dedicated left- and right-turn lanes to all four approaches. The project length extends approximately 1000 feet in all four directions from the intersection. Additional right-of-way and construction easements will be required to construct the proposed improvements, but no displacements will be necessary.

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

Thom Parker, Area 1 Engineer
Georgia Department of Transportation
District 7 Area One Office
805 George Luther Drive
Decatur, GA 30032
Telephone: 404-299-4386/4389
Facsimile: 404-299-4387
Email: thom.parker@dot.state.ga.us

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Mike Lobdell, P.E., District 7 Preconstruction Engineer
Georgia Department of Transportation
5025 New Peachtree Road
Chamblee, GA 30341
Telephone: 770 986-1050
Facsimile: 770-986-1022
Email: mike.lobdell@dot.state.ga.us

Any written request or communication in reference to this project or notice should include the Project and P.I. Numbers as noted at the top of this notice.

5/3/06

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District Seven Preconstruction

Project Concept Report

Project Number: MSL-0004-00(650)

County: Rockdale

P. I. Number: 0004650

Federal Route Number: N/A

State Route Number: N/A

Intersection Improvements at Sigman Road and Gees Mill Road

Recommended for approval:

DATE: 5/3/06

DATE: 5/3/06

Project Manager

District Engineer

This 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).

DATE: _____

State Transportation Planning Administrator

DATE: _____

State Environment/Location Engineer

DATE: 4/8/06

Office of Financial Management Administrator

DATE: _____

State Traffic Safety & Design Engineer

DATE: _____

Project Review Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District Seven Preconstruction

Project Concept Report

Project Number: MSL-0004-00(650)

County: Rockdale

P. I. Number: 0004650

Federal Route Number: N/A

State Route Number: N/A

Intersection Improvements at Sigman Road and Gees Mill Road

Recommended for approval:

DATE: 5/3/06

DATE: 5/3/06



Project Manager



District Engineer

This 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).

DATE: _____

State Transportation Planning Administrator

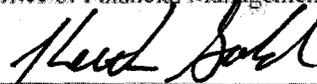
DATE: _____

State Environment/Location Engineer

DATE: _____

Office of Financial Management Administrator

DATE: 5-8-06



State Traffic Safety & Design Engineer

DATE: _____

Project Review Engineer