

# TRAFFIC & SAFETY STUDY

## Final Report

# South Pinetree Blvd Thomas County, Georgia

Prepared for: Thomas County, Georgia

Prepared by: VHB

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## 1. INTRODUCTION

The purpose of this study is to evaluate the existing and future traffic conditions along South Pinetree Blvd and identify roadway and intersection improvements that will allow this corridor to operate safely and efficiently for the next 20 years. As shown in Figure 1, the study corridor is South Pinetree Blvd from SR 35 (W Jackson St) east to Magnolia Road. This section of South Pinetree Blvd is located on the south side of the City of Thomasville and is approximately 1.3 miles long.

### 1.1 Study Network

This section provides a description of the roadways and intersections studied in this report.

#### Roadways

- **South Pinetree Blvd**

Within the study area, South Pinetree Blvd is an east-west, two-lane roadway with a posted speed limit of 35 MPH. This roadway serves mainly residential land uses with some institutional land uses within the corridor. The roadway consists of one travel lane in each direction with grassed shoulders. There is a gated, at-grade railroad crossing on the eastern end of the corridor.

- **SR 35/US 319 (W Jackson Street)**

SR 35 serves as the western terminus of the study corridor. SR 35, in this location, is a north-south, five-lane arterial with a 45 MPH posted speed limit. SR 35 serves as the primary arterial roadway connecting Thomasville with Tallahassee to the south.

- **Magnolia Road**

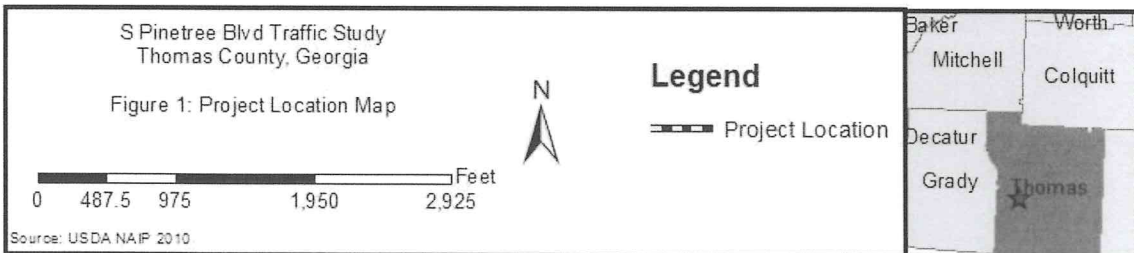
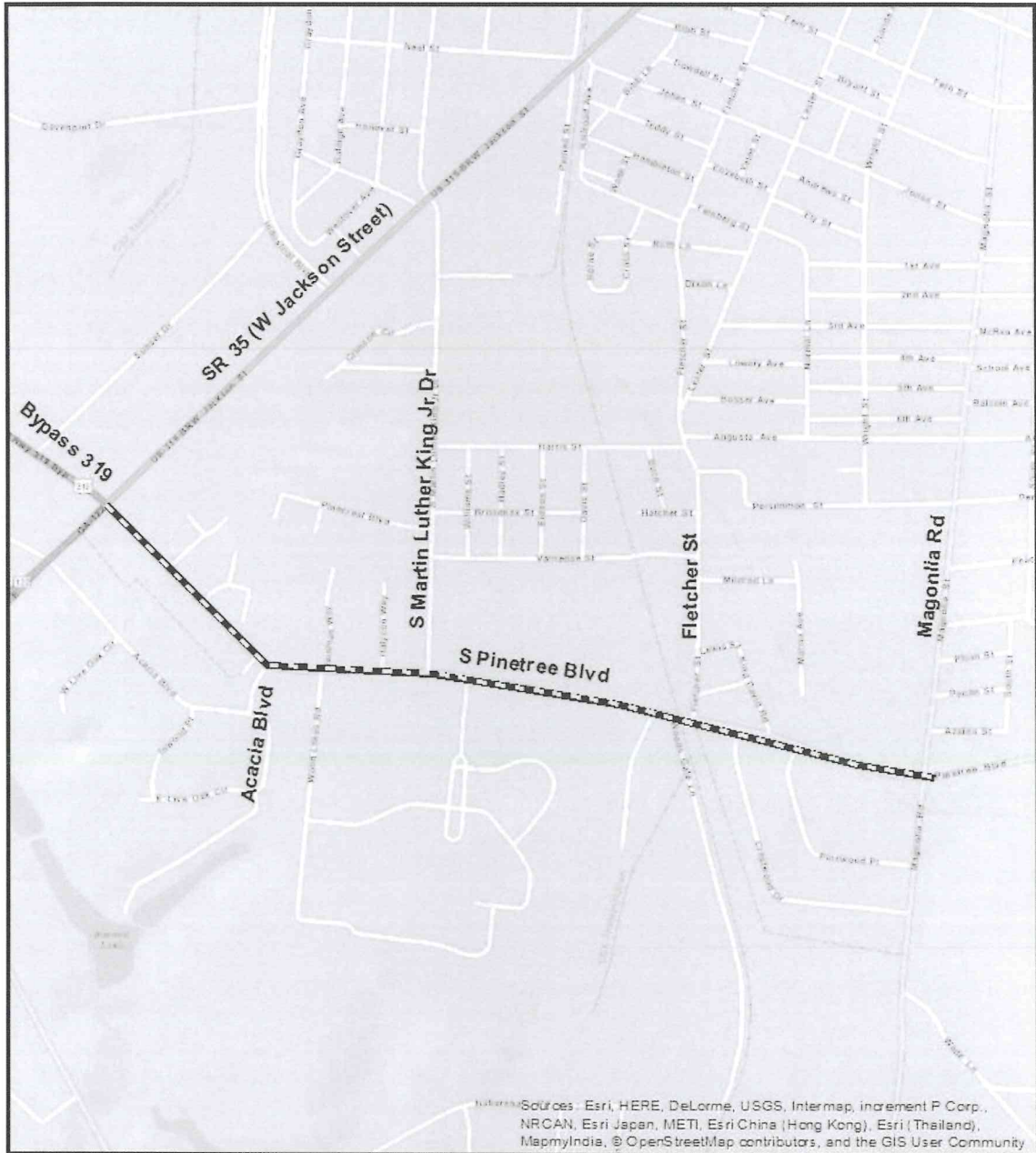
Magnolia Road serves as the eastern terminus of the study corridor. Magnolia Road is a north-south two lane roadway with a 35 MPH posted speed limit. Magnolia Road provided north-south access to and from Thomasville.

#### Intersections

- **S Pinetree Blvd at SR 35**

The intersection of S Pinetree Blvd and SR 35 is signalized with left-turn bays and signal phases on SR 35. The intersection contains right turn lanes on the eastbound and northbound approaches. The westbound leg of S Pinetree Blvd has a single lane to serve left, through, and right turning traffic.

Figure 1: Site Location Map



- **S Pinetree Blvd at Acacia Blvd**

The intersection of S Pinetree Blvd and Acacia Blvd is unsignalized with stop sign control on Acacia Blvd. There are no dedicated turn lanes at this intersection. Acacia Blvd serves a residential area on the south side of the project corridor.

- **S Pinetree Blvd at S Martin Luther King Drive**

The intersection of S Pinetree Blvd and S Martin Luther King Drive is unsignalized with stop sign control on S Martin Luther King Dr. There are no dedicated turn lanes at this intersection. S Martin Luther King Drive provides access to residential and commercial areas to the north as well as downtown Thomasville.

- **S Pinetree Blvd at Fletcher Street**

The intersection of S Pinetree Blvd and Fletcher Street is unsignalized with stop sign control on Fletcher Street. There are no dedicated turn lanes at this intersection. Fletcher Street provides access to residential areas to the north as well as downtown Thomasville.

- **S Pinetree Blvd at Magnolia Street**

The intersection of S Pinetree Blvd and Fletcher Street is unsignalized with stop sign control on all approaches. There are no dedicated turn lanes at this intersection.

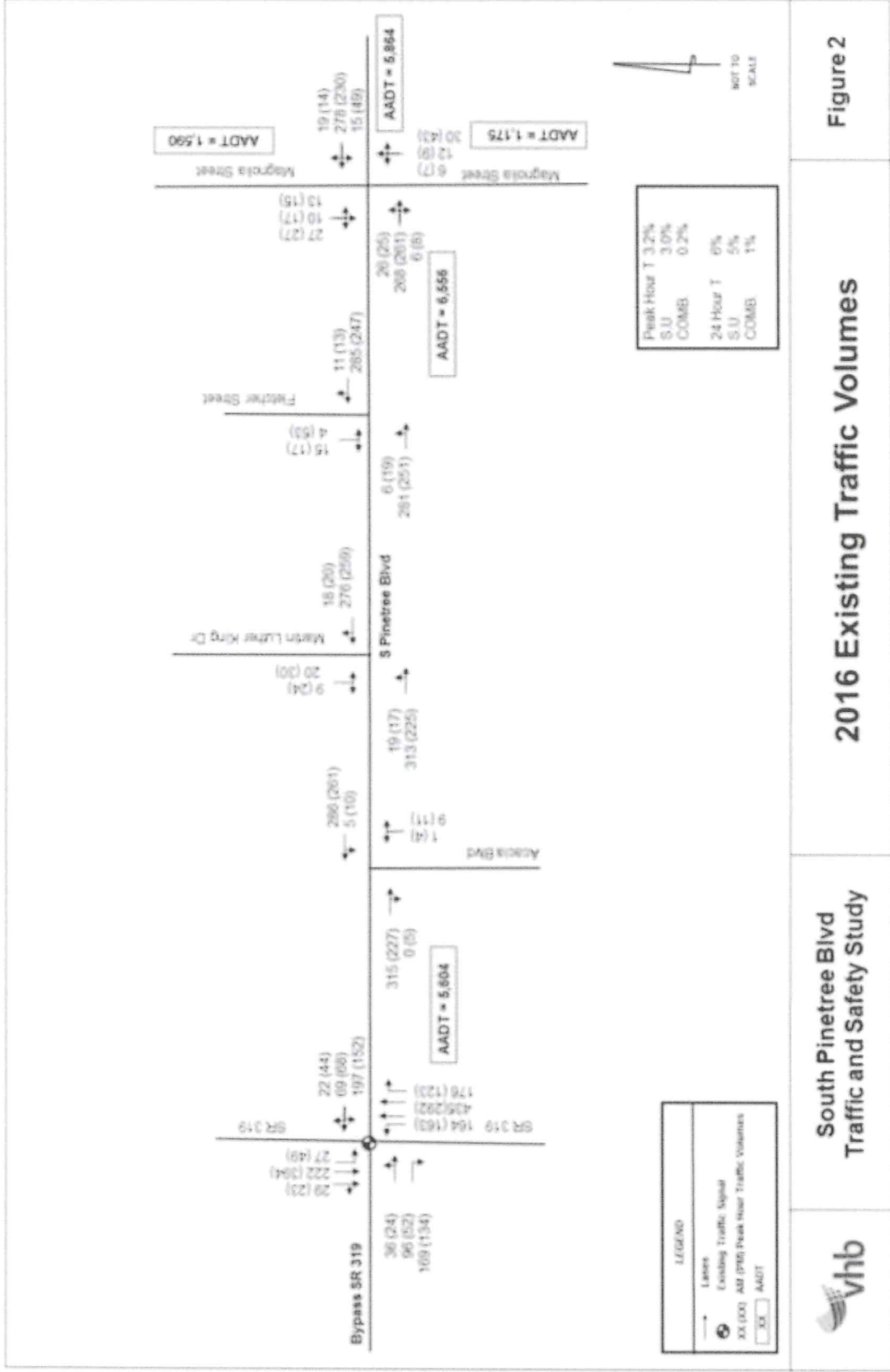
## **2. TRAFFIC ANALYSIS**

Existing traffic volumes were collected during the month of January 2016. Traffic counts were taken at all study intersections for both the morning peak period (7:00 - 9:00 a.m.) and evening peak period (5:00 - 7:00 p.m.). 24-hour daily traffic counts were taken on study area roadway as well. A 24-hour classification count was also taken on S Pinetree Blvd to determine the percent of trucks using the corridor. The Existing (2016) traffic volumes are presented in Figure 2. This figure also presents the truck percentages along the corridor. All traffic counts are contained in Appendix A.

### **2.1 Analysis Methodology**

A capacity analyses was conducted at all study intersections using Synchro Professional, Version 9.0. The results of the capacity analysis are presented using Level of Service (LOS) and average intersection vehicle delay. LOS and delay are used to describe the operating characteristics of a road segment or intersection in relation to its capacity. LOS is defined as a qualitative measure that describes operational conditions of a transportation facility. The Highway Capacity Manual defines LOS with a letter designation on a declining scale from A to F. LOS "A" represents free-flow conditions and LOS "F" represents extreme delays with stopped traffic conditions. While LOS is a qualitative measure, average intersection vehicle

Figure 2: Existing (2016) Traffic Volumes



South Pinetree Blvd  
Traffic and Safety Study



2016 Existing Traffic Volumes

Figure 2

delay is utilized to provide a quantitative measure of intersection operations. Each LOS represents a range of intersection delay. The results of this analysis will be provided in LOS and delay.

LOS standards are used to describe the maximum acceptable level of traffic operations in a given area. LOS standards are generally set by local governments and can vary between jurisdictions. Georgia DOT defines LOS D as the maximum acceptable LOS for urbanized areas and LOS C for rural areas. Since the study corridor is on the edge of an urbanized area, with rural areas to the south, LOS C was utilized as the LOS standard to define acceptable traffic operations.

## 2.2 Existing (2016) Traffic Conditions

The AM and PM Existing LOS and delay results for all study intersection are presented in **Table 1**. Since the S Pinetree Blvd intersections at Acacia Blvd, S. Martin Luther King Drive, and Fletcher Street are unsignalized and stop sign controlled on the side streets, the LOS and delay values in the table are given for the stop sign controlled minor street. As shown in this table, all intersections currently operation at acceptable (LOS C or better) conditions in the 2016 AM and PM peak hours.

**Table 1: Existing (2016) Intersection Level of Service**

	Intersection	Control	Peak Hour Level of Service (intersection delay in seconds/vehicle)	
			AM	PM
1	S. Pinetree Blvd at SR 35	Signal	C (26.3)	C (22.9)
2	S. Pinetree Blvd at Acacia Blvd	NB Stop Control*	B (11.2)	B (10.6)
3	S. Pinetree Blvd at S Martin Luther King Drive	SB Stop Control*	C (16.0)	B (12.8)
4	S. Pinetree Blvd at Fletcher Street	SB Stop Control*	B (11.6)	B (14.2)
5	S. Pinetree Blvd at Magnolia Street	All-Way Stop Control	A (9.4)	A (9.3)

\*LOS and delay given for stop sign controlled approach.

## 2.3 Future (2036) Traffic Conditions

This traffic study utilizes 2036 as the future analysis year. A 20-year design horizon is typically used for transportation projects to ensure the benefit of any improvements will remain viable in the foreseeable future. Improvements must provide acceptable LOS throughout this design horizon to as to be considered a prudent expenditure of limited transportation funds.

### 2.3.1 Background Traffic Growth

In order to forecast traffic conditions in 2036, a linear regression analysis was conducted using GDOT historical traffic counts for the major area roadways to determine the overall traffic growth trend for the study area. Table 5 gives historical average annual daily traffic (AADT) counts within the project area between 2010 and 2014 (most recent counts available). Traffic growth rates between 2004 and 2009 were not utilized as they show significant reductions in traffic volumes, most likely due to the economic downturn during that period. The results of the regression analysis show some decreasing and some increasing traffic volume trends in the study area. There is very little overall growth. It is unlikely that traffic will continue to show this slight decline over the next 20 years, therefore a 1% annual traffic growth rate was applied to the existing traffic volumes to develop future (2036) traffic volumes. The future (2036) traffic volumes are presented in Figure 3.

**Table 2: Historical Traffic Growth Rates on Area Roadway**

TC Station	Location	2010	2011	2012	2013	2014	Calculated Growth Rate
2750006	Bypass US 318	5,280	5,610	5,640	5,450	5,450	0.3%
2750003	SR 319	10,150	9,390	9,430	9,400	9,400	-1.5%
2750501	S Pinetree Blvd	4,840	4,760	4,780	5,600	5,600	4.6%
2750607	S MLK Dr	1,320	1,300	1,300	1,260	1,260	-1.2%
2750503	S Pinetree Blvd	5,330	5,240	5,260	5,270	5,000	-1.2%
2750481	Magnolia St	1,040	1,020	1,030	1,180	1,180	4.1%
2750505	S Pinetree Blvd	5,420	4,790	4,810	4,820	4,820	-2.3%
		33,380	32,110	32,250	32,980	32,710	-0.1%

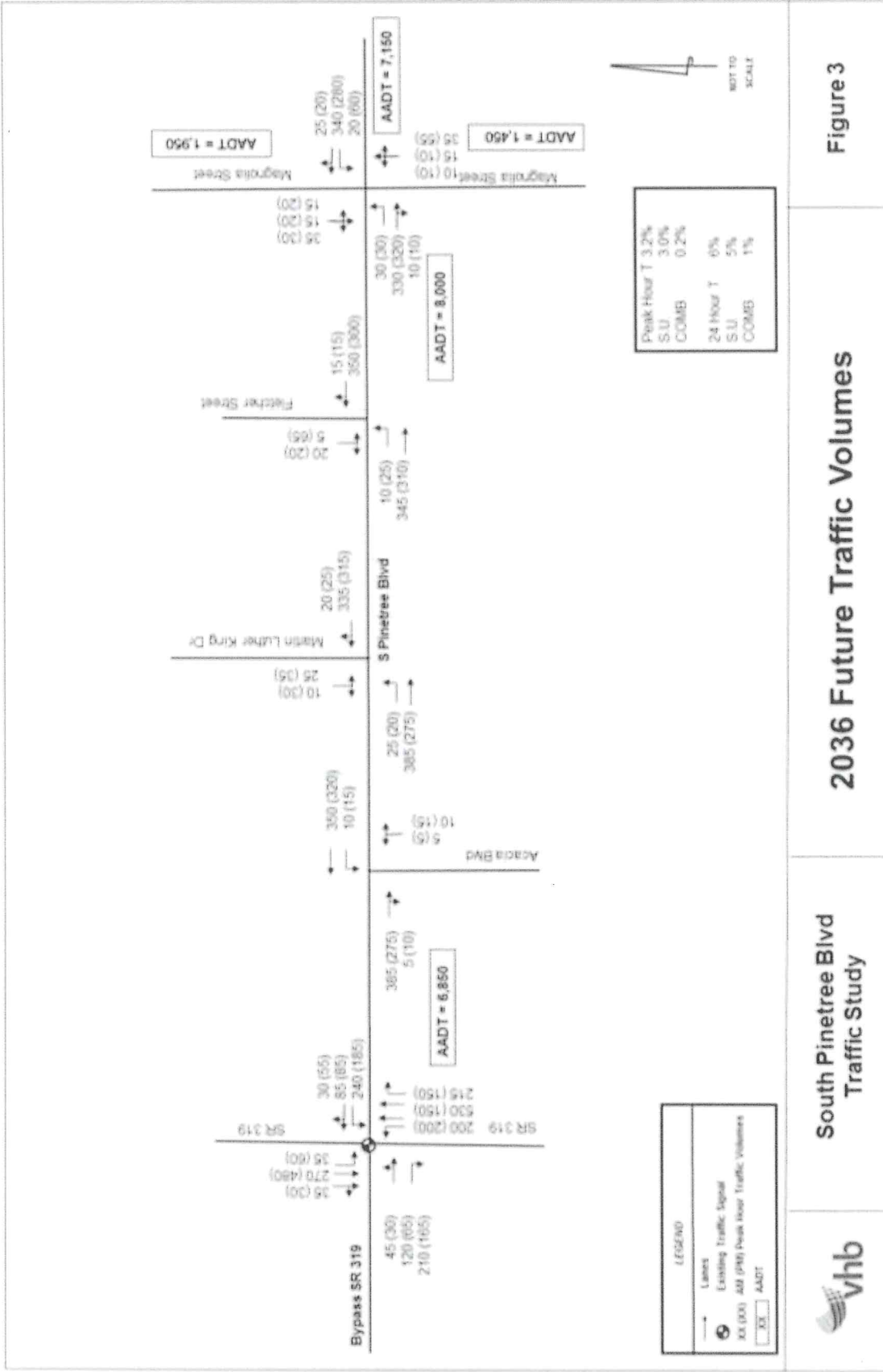
### 2.4 Future (2036) LOS Analysis

As with the existing condition, a capacity analysis was prepared for the future (2036) traffic conditions. The future traffic volumes were analyzed for two scenarios: The 2036 No-Build scenario analyzed the S Pinetree Blvd corridor with no roadway or intersection improvements. Table 3 presents the results of the 2036 No-Build analysis. The 2036 Build scenario analyzes the intersections assuming the proposed roadway and intersection improvements along the corridor. These improvements include the addition of a two-way center turn lane for the length of the project. This allows for dedicated left turn lanes on S Pinetree Blvd at all intersections. Table 4 presents the results of the 2036 Build analysis.

The results of the 2036 No-Build analysis show that the average vehicle delay at all intersections increases between 2016 and 2036 and several intersections experience a worsening in LOS. However, all intersections are still expected to operate at LOS C or better.



Figure 3: Future (2036) Traffic Volumes



South Pinetree Blvd  
Traffic Study

2036 Future Traffic Volumes

Figure 3

**Table 3: 2036 No-Build Intersection Level of Service**

	Intersection	Control	Peak Hour Level of Service (intersection delay in seconds/vehicle)	
			AM	PM
1	S. Pinetree Blvd at SR 35	Signal	C (32.8)	C (24.6)
2	S. Pinetree Blvd at Acacia Blvd	NB Stop Control*	B (14.3)	B (11.3)
3	S. Pinetree Blvd at S Martin Luther King Drive	SB Stop Control*	C (20.6)	B (14.7)
4	S. Pinetree Blvd at Fletcher Street	SB Stop Control*	B (12.8)	C (17.4)
5	S. Pinetree Blvd at Magnolia Street	All-Way Stop Control	B (10.6)	B (10.3)

**Table 4: 2036 Build Intersection Level of Service**

	Intersection	Control	Peak Hour Level of Service (intersection delay in seconds/vehicle)	
			AM	PM
1	S. Pinetree Blvd at SR 35	Signal	C (25.4)	C (23.1)
2	S. Pinetree Blvd at Acacia Blvd	NB Stop Control*	B (14.3)	B (11.3)
3	S. Pinetree Blvd at S Martin Luther King Drive	SB Stop Control*	C (20.5)	B (14.6)
4	S. Pinetree Blvd at Fletcher Street	SB Stop Control*	B (12.8)	C (17.3)
5	S. Pinetree Blvd at Magnolia Street	All-Way Stop Control	B (10.8)	B (10.3)

The results of the 2036 Build analysis show an improvement in average vehicle delay for most intersections when compared to the No-Build. Intersection LOS stays the same compared to the No-Build. The roadway improvements do allow the signalized intersection of S Pinetree Blvd and SR 35 to operate with less delay than in the Existing (2016) conditions in the AM peak hour.

## 2.5 Improvements to Intersection of S Pinetree Blvd @ Magnolia Street

Since the intersection of S Pinetree Blvd and Magnolia Street currently operates under 4-way stop control, improvements to this intersection were studied in order to identify if alternative

traffic control could reduce vehicle delay for users of this intersection. 24-hour traffic counts were taken on all four approaches on the intersection in order to study the possible signalization of this intersection. A signal warrant analysis was prepared for the intersection for the existing (2016) and future (2036) conditions to determine if a signal is warranted under existing or future conditions. The results of this analysis show that the intersection volumes, under either existing or future conditions, do not meet any warrants for signalization. The signal warrant analysis for 2016 and 2036 is presented in Appendix B.

Since the implementation of a traffic signal at this intersection is not warranted, a roundabout was analyzed as an alternative traffic control measure to reduce delay and allow for improved operation at this intersection. The GDOT Roundabout Analysis Tool was utilized to analyze the operation of a single lane roundabout in this location. The GDOT Roundabout Tool is based on the 2010 Highway Capacity Manual methodology and the National Cooperative Highway Research Program (NCHRP) Report 672 – FHWA’s Roundabout Informational Guide.

Table 5 presents the results of the roundabout analysis for the intersection of S Pinetree Blvd @ Magnolia St in 2016 and 2036 for both AM and PM peak hours. As presented in this table, a roundabout would allow all intersection approaches to operate at LOS A with very low delay. While traffic utilizing 4-way stop control at this intersection is not expected to experience long delays, the implementation of a roundabout would reduce delay and improve LOS for traffic using this intersection.

**Table 5: S Pinetree Blvd at Magnolia Street - Roundabout Analysis**

Intersection Approach		Control	2016 Peak Hour Level of Service (Approach delay in seconds/vehicle)		2036 Peak Hour Level of Service (Approach delay in seconds/vehicle)	
			AM	PM	AM	PM
1	Magnolia St Northbound	Roundabout	A (4.0)	A (5.0)	A (5.0)	A (5.0)
2	Magnolia St Southbound	Roundabout	A (5.0)	A (4.0)	A (5.0)	A (5.0)
3	S Pinetree Blvd Eastbound	Roundabout	A (6.0)	A (6.0)	A (6.0)	A (7.0)
4	S Pinetree Blvd Westbound	Roundabout	A (6.0)	A (6.0)	A (7.0)	A (6.0)

### 3. CRASH ANALYSIS

Crash data was obtained from GDOT for the study corridor for the most recent reported three years (2012-2014). This data was analyzed in order to identify the type and severity of accidents in the corridor and determine if proposed roadway improvements could improve corridor safety. Table 6 presents the total crashes, injuries, and fatalities along the corridor between 2012 and 2014. Table 7 presents a breakdown of the type of crashes that occurred during this period.

As presented in these tables, the corridor experienced an average of 10 crashes per year for the three study years. A review of the crash data reveals that rear end and angle crashes are the most common within the corridor. By separating left turning traffic from through traffic, the proposed improvements to S Pinetree Blvd would help reduce rear end crashes. A detailed review of the crash data revealed that the two fatalities that occurred in 2012 were in the same crash, and that crash was a collision with a tree. The review also showed that no crashes were associated with the at-grade railroad crossing on the corridor.

**Table 6: S Pinetree Blvd Study Area - Average Crash Data**

Year	Total Crashes	Total Injuries	Total Fatalities
2012	10	5	2
2013	11	0	0
2014	9	0	0
Average	10	2	1

**Table 7: S Pinetree Blvd Study Area - Crash data by Collision Type**

Collision Type	2012		2013		2014	
	Number	Percent	Number	Percent	Number	Percent
Angle	2	20%	3	27%	3	33%
Rear End	4	40%	3	27%	4	44%
Sideswipe	1	10%	0	0%	1	11%
Head On	0	0%	1	9%	1	11%
Other	3	30%	4	36%	0	0%
<b>Total</b>	<b>10</b>		<b>11</b>		<b>9</b>	

#### **4. CONCLUSIONS/RECOMMENDATIONS**

The results of this traffic and safety study indicate the corridor currently operates at an acceptable LOS under existing conditions. The LOS and delay at study area intersections is not expected to worsen significantly by 2036. While the corridor is not expected to experience significant traffic congestion by 2036, the implementation of a continuous two-way center turn lane will reduce delays for users of the corridor. Furthermore, with the majority of crashes in the corridor being rear end crashes, the center turn lane will improve safety by separating left turning traffic from through traffic on S Pinetree Blvd.

An analysis of the S Pinetree Blvd at Magnolia St intersection reveals that a traffic signal is not warranted at this location under existing or future conditions. While traffic operations at this location are expected to be acceptable in the future without any improvements, a roundabout analysis shows that a roundabout would reduce delays for vehicles travelling through this intersection.

A review of the right turning volumes at study intersections, both under existing and future conditions, does not indicate a need for right turn lanes at these intersections. While right turn lanes may not be necessary to maintain acceptable traffic operations, their implementation would improve traffic flow and safety by separating right turning traffic from through traffic along the corridor.

## **APPENDIX A: EXISTING TRAFFIC COUNTS**

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 6  
Station ID: 6  
S PINETREE BLVD EAST OF  
JACKSON STREET

Start Time	12-Jan-16 Tue	EB		Hour Totals		WB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		8	46			0	48				
12:15		5	36			7	30				
12:30		10	28			6	34				
12:45		5	32	28	142	7	43	20	155	48	297
01:00		2	36			0	37				
01:15		2	43			3	58				
01:30		0	46			1	36				
01:45		1	43	5	168	2	30	6	161	11	329
02:00		1	33			1	40				
02:15		2	52			3	44				
02:30		1	38			2	64				
02:45		0	48	4	171	0	62	6	210	10	381
03:00		1	99			1	43				
03:15		1	54			1	40				
03:30		2	32			2	50				
03:45		0	62	4	247	2	50	6	183	10	430
04:00		1	46			6	52				
04:15		2	44			5	67				
04:30		3	52			3	56				
04:45		3	49	9	191	11	60	25	235	34	426
05:00		1	64			8	80				
05:15		6	62			10	77				
05:30		15	50			14	54				
05:45		12	52	34	228	16	66	48	277	82	505
06:00		13	52			17	59				
06:15		18	45			26	45				
06:30		32	28			35	39				
06:45		42	27	105	152	52	26	130	169	235	321
07:00		40	38			38	32				
07:15		45	20			46	40				
07:30		78	30			91	26				
07:45		104	22	267	110	101	18	276	116	543	226
08:00		90	24			45	10				
08:15		50	22			52	15				
08:30		58	9			24	13				
08:45		48	18	246	73	34	20	155	58	401	131
09:00		40	25			30	14				
09:15		30	11			22	9				
09:30		40	13			28	14				
09:45		45	8	155	57	41	11	121	48	276	105
10:00		31	6			44	7				
10:15		28	16			42	13				
10:30		41	9			30	10				
10:45		30	10	130	41	25	5	141	35	271	76
11:00		44	12			24	12				
11:15		26	10			26	8				
11:30		36	5			44	5				
11:45		41	2	147	29	52	3	146	28	293	57
<b>Total</b>		<b>1134</b>	<b>1609</b>			<b>1080</b>	<b>1675</b>			<b>2214</b>	<b>3284</b>
<b>Percent</b>		<b>41.3%</b>	<b>58.7%</b>			<b>39.2%</b>	<b>60.8%</b>			<b>40.3%</b>	<b>59.7%</b>

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 6  
Station ID: 6  
S PINETREE BLVD EAST OF  
JACKSON STREET

Start Time	13-Jan-16 Wed	EB		Hour Totals		WB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		5	50			4	44				
12:15		4	45			2	41				
12:30		8	42			3	34				
12:45		3	30	20	167	1	40	10	159	30	326
01:00		2	42			1	44				
01:15		1	38			0	45				
01:30		2	40			2	36				
01:45		1	28	6	148	1	48	4	173	10	321
02:00		1	36			1	34				
02:15		1	31			1	40				
02:30		2	36			1	56				
02:45		2	51	6	154	1	60	4	190	10	344
03:00		2	108			1	42				
03:15		0	46			1	60				
03:30		2	56			2	47				
03:45		2	47	6	257	1	58	5	207	11	464
04:00		1	54			4	59				
04:15		2	44			5	71				
04:30		2	47			10	60				
04:45		4	52	9	197	9	62	28	252	37	449
05:00		4	76			5	72				
05:15		4	60			8	75				
05:30		14	68			18	60				
05:45		7	54	29	258	16	50	47	257	76	515
06:00		15	56			15	70				
06:15		16	51			27	63				
06:30		28	51			30	57				
06:45		38	41	97	199	36	39	108	229	205	428
07:00		46	39			41	34				
07:15		48	43			69	34				
07:30		72	25			76	26				
07:45		128	24	294	131	95	22	281	116	575	247
08:00		82	39			55	27				
08:15		52	24			35	35				
08:30		38	22			30	19				
08:45		44	29	216	114	28	16	148	97	364	211
09:00		40	14			32	20				
09:15		36	18			26	18				
09:30		46	18			28	16				
09:45		35	16	157	66	36	9	122	63	279	129
10:00		26	8			20	12				
10:15		32	15			28	10				
10:30		42	8			33	12				
10:45		34	7	134	38	32	9	113	43	247	81
11:00		36	6			24	8				
11:15		35	9			38	7				
11:30		31	7			46	5				
11:45		48	5	150	27	42	4	150	24	300	51
Total		1124	1756			1020	1810			2144	3566
Percent		39.0%	61.0%			36.0%	64.0%			37.5%	62.5%
Grand Total		2258	3365			2100	3485			4358	6850
Percent		40.2%	59.8%			37.6%	62.4%			38.9%	61.1%

ADT                      ADT 5,604                      AADT 5,604



# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 7  
Station ID: 7  
S PINETREE BLVD WEST OF  
MAGNOLIA STREET

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
01/12/16	0	3	2	0	0	0	0	0	0	0	0	0	0	5
00:15	0	7	0	0	0	0	0	0	0	0	0	0	0	7
00:30	0	5	2	0	0	0	0	0	0	0	0	0	0	7
00:45	0	3	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	18	4	0	0	0	0	0	0	0	0	0	0	22
01:15	0	3	0	0	0	0	0	0	0	0	0	0	0	3
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	8	0	0	0	0	0	0	0	0	0	0	0	8
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:45	0	2	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	0	2	1	0	0	0	0	0	0	0	0	0	0	3
03:30	0	3	1	0	0	0	0	0	0	0	0	0	0	4
03:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:15	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:30	0	4	0	0	0	0	0	0	0	0	0	0	0	4
04:45	0	0	2	0	0	0	0	0	0	0	0	0	0	2
05:00	0	6	2	0	0	0	0	0	0	0	0	0	0	8
05:15	0	2	0	0	0	0	0	0	0	0	0	0	0	2
05:30	0	6	1	0	0	1	0	0	0	0	0	0	0	8
05:45	0	8	1	0	0	0	0	0	0	0	0	0	0	9
06:00	1	4	4	0	3	1	0	0	1	0	0	0	0	14
06:15	0	20	6	0	3	2	0	0	1	0	0	0	0	33
06:30	0	1	4	1	3	0	0	0	0	0	0	0	0	9
06:45	0	7	4	0	0	0	0	1	0	1	0	0	0	13
07:00	0	13	8	0	3	0	0	0	0	2	0	0	0	26
07:15	0	27	10	2	0	1	0	0	0	0	0	0	0	40
07:30	0	48	26	3	6	1	0	1	0	3	0	0	0	88
07:45	0	29	7	0	0	2	0	1	0	0	0	0	0	39
08:00	0	23	12	0	1	0	0	0	0	0	0	0	0	36
08:15	0	41	23	0	2	1	0	1	0	0	0	0	0	68
08:30	1	64	20	1	1	0	0	0	0	0	0	0	0	87
08:45	1	157	62	1	4	3	0	2	0	0	0	0	0	230
09:00	0	64	14	0	4	0	0	2	0	0	0	0	0	84
09:15	0	45	9	0	3	0	0	0	0	0	0	0	0	57
09:30	0	30	17	0	2	1	0	1	0	0	0	0	0	51
09:45	1	27	11	0	3	0	0	1	0	0	1	0	0	44
10:00	1	166	51	0	12	1	0	4	0	0	1	0	0	236
10:15	1	27	13	0	0	1	0	0	1	0	0	0	0	43
10:30	0	32	11	2	4	0	0	2	0	0	0	0	0	51
10:45	0	26	8	1	3	1	0	0	0	0	0	0	0	39
11:00	0	34	14	0	0	0	0	1	1	3	0	0	0	53
11:15	0	119	46	3	7	2	0	3	2	3	0	0	0	186
11:30	0	18	8	0	3	0	0	1	1	0	0	0	0	31
11:45	0	24	6	0	1	0	0	1	0	0	0	0	0	32
12:00	0	25	11	0	2	1	0	0	0	0	0	0	0	39
12:15	0	25	9	0	0	0	0	0	0	0	0	0	0	34
12:30	0	92	34	0	6	1	0	2	1	0	0	0	0	136
12:45	0	34	15	0	0	0	0	0	0	0	0	0	0	49
13:00	0	19	5	2	1	3	0	1	0	0	0	0	0	31
13:15	0	22	10	1	3	0	0	2	0	0	0	0	0	38
13:30	0	33	9	0	0	1	0	0	0	0	0	0	0	43
13:45	0	108	39	3	4	4	0	3	0	0	0	0	0	161
Total	4	748	273	10	42	14	0	15	4	6	1	0	0	1117
Percent	0.4%	67.0%	24.4%	0.9%	3.8%	1.3%	0.0%	1.3%	0.4%	0.5%	0.1%	0.0%	0.0%	

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 7  
Station ID: 7  
S PINETREE BLVD WEST OF  
MAGNOLIA STREET

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
12 PM	0	33	18	1	1	0	0	0	0	0	0	0	0	53
12:15	0	35	16	0	4	1	0	0	0	0	0	0	0	56
12:30	0	21	10	1	1	0	0	0	0	0	0	0	0	33
12:45	0	25	10	0	0	0	0	0	0	1	0	0	0	36
13:00	0	114	54	2	6	1	0	0	0	1	0	0	0	178
13:15	0	22	9	1	0	0	0	0	1	1	0	0	0	34
13:30	1	24	11	0	2	1	0	0	1	0	0	0	0	40
13:30	0	27	11	1	1	2	0	0	0	0	0	0	0	42
13:45	0	30	13	0	1	0	0	0	0	0	0	0	0	44
14:00	1	103	44	2	4	3	0	0	2	1	0	0	0	160
14:00	0	35	7	0	2	1	0	0	0	0	0	0	0	45
14:15	0	40	15	0	2	0	0	0	0	0	0	0	0	57
14:30	0	34	8	0	0	0	0	0	0	0	0	0	0	42
14:45	0	33	10	0	1	0	0	0	0	0	0	0	0	44
15:00	0	142	40	0	5	1	0	0	0	0	0	0	0	188
15:00	0	72	28	0	1	1	0	0	0	0	0	0	0	102
15:15	0	40	9	0	1	0	0	0	0	0	0	0	0	50
15:30	0	33	10	0	1	1	0	1	0	0	0	0	0	46
15:45	0	40	6	0	0	1	0	2	0	0	0	0	0	49
16:00	0	185	53	0	3	3	0	3	0	0	0	0	0	247
16:00	0	46	13	0	0	0	0	0	0	0	0	0	0	59
16:15	0	43	17	0	0	2	0	1	0	0	0	0	0	63
16:30	1	58	25	0	2	0	0	1	0	0	0	0	0	87
16:45	0	47	11	0	0	0	0	1	0	0	0	0	0	59
17:00	1	194	66	0	2	2	0	3	0	0	0	0	0	268
17:00	0	62	13	0	1	0	0	1	0	0	0	0	0	77
17:15	0	60	14	0	0	1	0	0	0	0	0	0	0	75
17:30	0	50	12	0	1	0	0	0	0	0	0	0	0	63
17:45	0	44	11	0	1	0	0	0	0	0	0	0	0	56
18:00	0	216	50	0	3	1	0	1	0	0	0	0	0	271
18:00	0	46	13	0	0	0	0	0	0	0	0	0	0	59
18:15	0	35	7	0	1	0	0	0	0	0	0	0	0	43
18:30	0	36	11	0	1	0	0	0	0	0	0	0	0	48
18:45	0	25	4	0	0	0	0	0	0	0	0	0	0	29
19:00	0	142	35	0	2	0	0	0	0	0	0	0	0	179
19:00	0	31	10	0	0	0	0	0	0	0	0	0	0	41
19:15	0	29	6	0	0	0	0	0	0	0	0	0	0	35
19:30	0	20	5	0	0	0	0	1	0	0	0	0	0	26
19:45	0	23	2	0	0	0	0	0	0	0	0	0	0	25
20:00	0	103	23	0	0	0	0	1	0	0	0	0	0	127
20:00	0	16	4	0	1	0	0	0	0	0	0	0	0	21
20:15	0	19	1	0	0	0	0	0	0	0	0	0	0	20
20:30	0	13	1	0	1	0	0	0	0	0	0	0	0	15
20:45	0	22	1	0	0	0	0	0	0	0	0	0	0	23
21:00	0	70	7	0	2	0	0	0	0	0	0	0	0	79
21:00	0	13	5	0	0	0	0	0	0	0	0	0	0	18
21:15	0	8	2	0	0	0	0	0	0	0	0	0	0	10
21:30	0	11	2	0	0	0	0	0	0	0	0	0	0	13
21:45	0	6	1	0	0	0	0	0	0	0	0	0	0	7
22:00	0	38	10	0	0	0	0	0	0	0	0	0	0	48
22:00	0	5	1	0	1	0	0	0	0	0	0	0	0	7
22:15	0	10	1	0	1	0	0	0	0	0	0	0	0	12
22:30	0	9	0	0	0	0	0	0	0	0	0	0	0	9
22:45	0	9	0	0	0	0	0	0	0	0	0	0	0	9
23:00	0	33	2	0	2	0	0	0	0	0	0	0	0	37
23:00	0	9	0	0	0	0	0	0	0	0	0	0	0	9
23:15	0	4	5	0	0	0	0	0	0	0	0	0	0	9
23:30	0	4	1	0	0	0	0	0	0	0	0	0	0	5
23:45	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Total	2	1360	390	4	29	11	0	8	2	2	0	0	0	1808
Percent	0.1%	75.2%	21.6%	0.2%	1.6%	0.6%	0.0%	0.4%	0.1%	0.1%	0.0%	0.0%	0.0%	

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 7  
Station ID: 7  
S PINETREE BLVD WEST OF  
MAGNOLIA STREET

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
01/13/16	0	5	0	0	0	0	0	0	0	0	0	0	0	5
00:15	0	2	1	0	0	0	0	0	0	0	0	0	0	3
00:30	0	4	0	0	0	0	0	0	0	0	0	0	0	4
00:45	0	2	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	13	1	0	0	0	0	0	0	0	0	0	0	14
01:15	0	2	0	0	0	0	0	0	0	0	0	0	0	2
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	2	1	0	0	0	0	0	0	0	0	0	0	3
02:00	0	6	2	0	0	0	0	0	0	0	0	0	0	8
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:45	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	1	1	0	1	0	0	0	0	0	0	0	0	3
03:15	0	3	0	0	0	0	0	0	0	0	0	0	0	3
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	1	0	0	0	1	0	0	0	0	0	0	0	2
04:15	0	4	1	0	0	0	0	0	0	0	0	0	0	5
04:30	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:45	0	2	1	0	0	0	0	0	0	0	0	0	0	3
05:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3
05:15	0	5	3	0	0	0	0	0	0	0	0	0	0	8
05:30	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:45	0	3	0	0	0	0	0	0	0	0	0	0	0	3
06:00	0	5	3	0	0	0	0	0	0	0	0	0	0	8
06:15	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:30	0	3	0	0	0	0	0	0	0	0	0	0	0	3
06:45	0	5	3	0	0	0	0	0	0	0	0	0	0	8
07:00	0	4	4	0	1	0	0	0	0	0	0	0	0	9
07:15	0	13	7	0	1	0	0	0	0	0	0	0	0	21
07:30	0	9	3	0	1	0	0	0	0	0	0	0	0	13
07:45	0	10	2	0	1	0	0	0	0	0	0	0	0	13
08:00	0	19	8	0	1	0	0	1	0	0	0	0	0	29
08:15	0	24	6	1	0	1	0	1	0	0	0	0	0	33
08:30	0	62	19	1	3	1	0	2	0	0	0	0	0	88
08:45	0	27	11	0	1	1	0	0	0	0	0	0	0	40
09:00	0	32	14	0	3	2	0	0	0	0	0	0	0	51
09:15	1	41	22	0	0	1	0	3	0	0	0	0	0	68
09:30	0	76	32	0	5	0	0	2	0	0	0	0	0	115
09:45	1	176	79	0	9	4	0	5	0	0	0	0	0	274
10:00	0	53	19	0	2	1	0	1	0	0	0	0	0	76
10:15	0	39	12	0	2	0	0	0	0	0	0	0	0	53
10:30	0	23	12	0	0	0	0	0	0	0	0	0	0	35
10:45	0	24	9	0	1	0	0	2	0	0	0	0	0	36
11:00	0	139	52	0	5	1	0	3	0	0	0	0	0	200
11:15	1	28	13	0	2	0	0	1	0	0	0	0	0	45
11:30	0	41	11	0	2	0	0	2	0	0	0	0	0	56
11:45	0	25	13	1	1	1	0	1	0	0	0	0	0	42
12:00	0	24	7	0	2	0	0	1	1	0	0	0	0	35
12:15	1	118	44	1	7	1	0	5	1	0	0	0	0	178
12:30	0	16	5	0	1	0	0	0	0	0	0	0	0	22
12:45	0	22	7	0	3	1	0	0	0	0	0	0	0	33
13:00	0	26	16	0	1	0	0	0	1	0	0	0	0	44
13:15	0	36	12	0	2	0	0	1	0	0	0	0	0	51
13:30	0	100	40	0	7	1	0	1	1	0	0	0	0	150
13:45	0	16	15	0	0	0	0	1	0	0	0	0	0	32
14:00	0	32	8	0	2	0	0	0	0	0	0	0	0	42
14:15	0	21	8	1	0	1	0	0	0	0	0	0	0	31
14:30	0	35	10	0	0	0	0	0	0	0	0	0	0	45
14:45	0	104	41	1	2	1	0	1	0	0	0	0	0	150
Total	2	741	290	3	35	10	0	17	2	0	0	0	0	1100
Percent	0.2%	67.4%	26.4%	0.3%	3.2%	0.9%	0.0%	1.5%	0.2%	0.0%	0.0%	0.0%	0.0%	

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 7  
Station ID: 7  
S PINETREE BLVD WEST OF  
MAGNOLIA STREET

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
12 PM	0	42	13	0	1	0	0	1	0	0	0	0	0	57
12:15	0	31	11	0	0	0	0	1	0	0	0	0	0	43
12:30	0	32	12	0	1	0	0	1	1	0	0	0	0	47
12:45	0	18	10	0	1	0	0	1	0	0	0	0	0	30
13:00	0	123	46	0	3	0	0	4	1	0	0	0	0	177
13:15	0	32	18	0	1	1	0	0	0	0	0	0	0	52
13:30	0	26	5	0	0	0	0	0	1	0	0	0	0	32
13:45	1	30	11	0	1	0	0	1	0	0	0	0	0	44
14:00	0	21	7	0	0	0	0	0	0	0	0	0	0	28
14:15	1	109	41	0	2	1	0	1	1	0	0	0	0	156
14:30	0	30	15	0	1	1	0	0	0	0	0	0	0	47
14:45	0	24	10	0	0	0	0	1	1	0	0	0	0	36
15:00	0	25	4	0	0	1	0	0	0	0	0	0	0	30
15:15	1	36	12	0	0	1	0	1	0	0	0	0	0	51
15:30	1	115	41	0	1	3	0	2	1	0	0	0	0	164
15:45	0	78	31	0	1	0	0	2	0	0	0	0	0	112
16:00	0	31	18	1	0	0	0	0	0	0	0	0	0	50
16:15	0	36	14	0	0	1	0	0	0	0	0	0	0	51
16:30	0	39	12	0	2	1	0	1	0	0	0	0	0	55
16:45	0	184	75	1	3	2	0	3	0	0	0	0	0	268
17:00	0	54	13	0	1	0	0	0	0	0	0	0	0	68
17:15	0	49	9	1	1	1	0	0	0	0	0	0	0	61
17:30	0	35	22	0	0	1	0	0	0	0	0	0	0	58
17:45	0	41	13	0	2	0	0	0	0	0	0	0	0	56
18:00	0	179	57	1	4	2	0	0	0	0	0	0	0	243
18:15	0	61	20	0	2	0	0	1	0	0	0	0	0	84
18:30	1	58	5	0	3	1	0	0	0	0	0	0	0	68
18:45	0	61	16	0	0	0	0	0	0	0	0	0	0	77
19:00	0	52	14	0	1	0	0	0	0	0	0	0	0	67
19:15	1	232	55	0	6	1	0	1	0	0	0	0	0	296
19:30	0	34	15	0	1	0	0	1	0	0	0	0	0	51
19:45	0	49	7	0	0	0	0	0	0	0	0	0	0	56
20:00	0	45	13	0	1	0	0	1	0	0	0	0	0	60
20:15	0	40	7	0	1	0	0	0	0	0	0	0	0	48
20:30	0	168	42	0	3	0	0	2	0	0	0	0	0	215
20:45	0	30	6	0	0	0	0	0	1	0	0	0	0	37
21:00	0	36	8	0	2	0	0	0	0	0	0	0	0	46
21:15	0	18	4	0	0	0	0	0	0	0	0	0	0	22
21:30	0	14	1	0	1	0	0	0	0	0	0	0	0	16
21:45	0	14	1	0	1	0	0	0	0	0	0	0	0	16
22:00	0	98	19	0	3	0	0	0	1	0	0	0	0	121
22:15	0	19	6	0	0	0	0	0	0	0	0	0	0	25
22:30	0	19	5	0	1	0	0	0	0	0	0	0	0	25
22:45	0	19	2	0	0	0	0	0	0	0	0	0	0	21
23:00	0	21	4	0	1	0	0	0	0	0	0	0	0	26
23:15	0	78	17	0	2	0	0	0	0	0	0	0	0	97
23:30	0	13	2	0	0	0	0	0	0	0	0	0	0	15
23:45	0	15	2	0	0	0	0	0	0	0	0	0	0	17
24:00	0	14	2	0	0	0	0	0	0	0	0	0	0	16
24:15	0	6	5	0	0	0	0	0	0	0	0	0	0	11
24:30	0	48	11	0	0	0	0	0	0	0	0	0	0	59
24:45	0	7	1	0	0	0	0	0	0	0	0	0	0	8
25:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6
25:15	0	4	2	0	0	0	0	0	0	0	0	0	0	6
25:30	0	5	1	0	0	0	0	0	0	0	0	0	0	6
25:45	0	22	4	0	0	0	0	0	0	0	0	0	0	26
26:00	0	9	0	0	0	0	0	0	0	0	0	0	0	9
26:15	0	5	0	0	0	0	0	0	0	0	0	0	0	5
26:30	0	9	1	0	0	0	0	0	0	0	0	0	0	10
26:45	0	4	0	0	0	0	0	0	0	0	0	0	0	4
27:00	0	27	1	0	0	0	0	0	0	0	0	0	0	28
Total	3	1383	409	2	27	9	0	13	4	0	0	0	0	1850
Percent	0.2%	74.8%	22.1%	0.1%	1.5%	0.5%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	
Grand Total	11	4232	1362	19	133	44	0	53	12	8	1	0	0	5875
Percent	0.2%	72.0%	23.2%	0.3%	2.3%	0.7%	0.0%	0.9%	0.2%	0.1%	0.0%	0.0%	0.0%	

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 7  
Station ID: 7  
S PINETREE BLVD WEST OF  
MAGNOLIA STREET

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
01/12/16	0	1	0	0	0	0	0	0	0	0	0	0	0	1
00:15	0	5	2	0	1	0	0	0	0	0	0	0	0	8
00:30	0	4	1	0	0	0	0	0	0	0	0	0	0	5
00:45	0	3	2	0	0	0	0	0	0	0	0	0	0	5
01:00	0	13	5	0	1	0	0	0	0	0	0	0	0	19
01:15	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:30	0	3	0	0	0	0	0	0	0	0	0	0	0	3
01:45	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:15	0	7	0	0	0	0	0	0	0	0	0	0	0	7
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	1	1	0	0	0	0	0	0	0	0	0	0	2
03:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	2	1	0	0	0	0	0	0	0	0	0	0	3
03:45	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	0	4	3	0	0	0	0	0	0	0	0	0	0	7
04:15	0	0	3	0	0	0	0	1	0	0	0	0	0	4
04:30	0	4	0	0	0	0	0	0	0	0	0	0	0	4
04:45	0	2	1	0	0	0	0	0	0	0	0	0	0	3
05:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8
05:15	0	13	5	0	0	0	0	1	0	0	0	0	0	19
05:30	0	6	0	0	0	1	0	0	0	0	0	0	0	7
05:45	0	7	1	0	0	0	0	0	0	0	0	0	0	8
06:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6
06:15	0	10	4	0	0	0	0	0	0	0	0	0	0	14
06:30	0	28	6	0	0	1	0	0	0	0	0	0	0	35
06:45	0	5	4	0	3	0	0	0	0	0	0	0	0	12
07:00	0	14	2	0	1	0	0	0	0	0	0	0	0	17
07:15	0	17	9	1	0	0	0	0	0	1	0	0	0	28
07:30	0	35	8	0	3	0	0	0	0	2	0	0	0	48
07:45	0	71	23	1	7	0	0	0	0	3	0	0	0	105
08:00	0	33	4	0	1	0	0	0	0	0	0	0	0	38
08:15	0	30	10	0	1	2	0	0	0	0	0	0	0	43
08:30	1	75	27	0	2	0	0	1	0	0	0	0	0	106
08:45	4	74	33	0	3	1	0	0	0	0	0	0	0	115
09:00	5	212	74	0	7	3	0	1	0	0	0	0	0	302
09:15	0	33	11	0	4	0	0	0	0	0	0	0	0	48
09:30	0	35	12	2	3	1	0	1	0	0	0	0	0	54
09:45	0	19	7	0	2	0	0	0	0	0	0	0	0	28
10:00	1	21	11	1	5	2	0	0	0	0	0	0	0	41
10:15	1	108	41	3	14	3	0	1	0	0	0	0	0	171
10:30	0	21	8	0	0	0	0	0	1	0	0	0	0	30
10:45	0	10	9	0	1	0	0	1	0	0	0	0	0	21
11:00	0	14	14	1	3	0	0	0	0	0	0	0	0	32
11:15	0	21	11	0	2	0	0	3	0	0	0	0	0	37
11:30	0	66	42	1	6	0	0	4	1	0	0	0	0	120
11:45	0	20	12	0	3	1	0	1	0	1	0	0	0	38
12:00	0	20	9	2	1	0	0	1	0	2	0	0	0	35
12:15	0	16	8	0	1	0	0	1	0	0	0	0	0	26
12:30	0	18	9	0	3	0	0	0	0	0	0	0	0	30
12:45	0	74	38	2	8	1	0	3	0	3	0	0	0	129
13:00	0	21	11	0	1	0	0	0	0	0	0	0	0	33
13:15	0	16	8	0	1	0	0	0	1	0	0	0	0	26
13:30	0	20	15	0	5	1	0	2	0	0	0	0	0	43
13:45	0	27	16	0	2	1	0	0	0	0	0	0	0	46
Total	6	84	50	7	9	2	0	2	1	0	0	0	0	148
Percent	0.6%	64.1%	27.0%	0.7%	4.9%	0.9%	0.0%	1.1%	0.2%	0.6%	0.0%	0.0%	0.0%	1067

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 7  
Station ID: 7  
S PINETREE BLVD WEST OF  
MAGNOLIA STREET

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
12 PM	0	31	16	1	3	0	0	0	0	0	0	0	0	51
12:15	0	25	7	0	1	2	0	0	0	0	0	0	0	35
12:30	0	19	13	0	4	0	0	1	2	0	0	0	0	39
12:45	0	28	19	0	4	0	0	0	0	0	0	0	0	51
13:00	0	103	55	1	12	2	0	1	2	0	0	0	0	176
13:15	0	34	11	1	2	0	0	1	0	1	0	0	0	50
13:30	0	37	14	0	1	0	0	2	0	1	0	0	0	55
13:45	1	44	19	1	3	1	0	1	0	1	0	0	0	71
14:00	0	39	10	0	4	0	0	0	0	0	0	0	0	53
14:15	1	154	54	2	10	1	0	4	0	3	0	0	0	229
14:30	0	27	12	0	1	1	0	0	0	0	0	0	0	41
14:45	0	33	16	0	4	1	0	0	0	0	0	0	0	54
15:00	1	38	20	0	0	1	0	3	0	0	0	0	0	63
15:15	1	43	23	1	4	1	0	0	0	0	0	0	0	73
15:30	2	141	71	1	9	4	0	3	0	0	0	0	0	231
15:45	1	32	19	2	0	0	0	0	0	0	0	0	0	54
16:00	0	39	8	0	3	0	0	0	0	0	0	0	0	50
16:15	0	30	16	0	3	0	0	1	0	0	0	0	0	50
16:30	0	37	18	1	4	2	0	1	0	0	0	0	0	63
16:45	1	138	61	3	10	2	0	2	0	0	0	0	0	217
17:00	0	49	12	0	6	0	0	1	1	0	0	0	0	69
17:15	0	46	20	0	3	1	0	0	0	0	0	0	0	70
17:30	1	40	16	0	3	0	0	0	0	0	0	0	0	60
17:45	0	40	17	1	3	1	0	0	0	0	0	0	0	62
18:00	1	175	65	1	15	2	0	1	1	0	0	0	0	261
18:15	2	49	22	0	1	2	0	1	0	0	0	0	0	77
18:30	0	56	16	0	3	0	0	0	0	0	0	0	0	75
18:45	0	43	13	0	2	0	0	0	0	0	0	0	0	58
19:00	0	50	10	0	2	0	0	0	0	0	0	0	0	62
19:15	2	198	61	0	8	2	0	1	0	0	0	0	0	272
19:30	0	43	10	0	1	0	0	1	0	0	0	0	0	55
19:45	1	47	4	0	5	0	0	1	0	0	0	0	0	58
20:00	0	33	7	0	2	0	0	1	0	0	0	0	0	43
20:15	0	23	7	0	0	0	0	0	0	0	0	0	0	30
20:30	1	146	28	0	8	0	0	3	0	0	0	0	0	186
20:45	0	23	14	0	0	0	0	0	0	0	0	0	0	37
21:00	0	29	8	0	1	0	0	0	0	0	0	0	0	38
21:15	0	25	6	0	0	0	0	0	0	0	0	0	0	31
21:30	0	9	7	0	1	0	0	1	0	0	0	0	0	18
21:45	0	86	35	0	2	0	0	1	0	0	0	0	0	124
22:00	0	12	3	0	0	0	0	0	0	0	0	0	0	15
22:15	0	20	5	0	2	0	0	0	0	0	0	0	0	27
22:30	0	12	2	0	1	0	0	0	0	0	0	0	0	15
22:45	0	20	1	0	0	0	0	0	0	0	0	0	0	21
23:00	0	64	11	0	3	0	0	0	0	0	0	0	0	78
23:15	0	7	3	0	2	0	0	0	0	0	0	0	0	12
23:30	0	9	2	0	0	0	0	0	0	0	0	0	0	11
23:45	0	13	2	1	1	0	0	0	0	0	0	0	0	17
24:00	0	12	0	0	0	0	0	0	0	0	0	0	0	12
24:15	0	41	7	1	3	0	0	0	0	0	0	0	0	52
24:30	0	8	0	0	0	0	0	0	0	0	0	0	0	8
24:45	0	6	1	0	1	0	0	1	0	0	0	0	0	9
25:00	0	6	3	0	0	0	0	0	0	0	0	0	0	9
25:15	0	5	0	0	0	0	0	0	0	0	0	0	0	5
25:30	0	25	4	0	1	0	0	1	0	0	0	0	0	31
25:45	1	12	2	0	0	0	0	0	0	0	0	0	0	15
26:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7
26:15	0	7	1	0	0	0	0	0	0	0	0	0	0	8
26:30	0	5	0	0	0	0	0	0	0	0	0	0	0	5
26:45	1	31	3	0	0	0	0	0	0	0	0	0	0	35
Total	9	1302	455	9	81	13	0	17	3	3	0	0	0	1892
Percent	0.5%	68.8%	24.0%	0.5%	4.3%	0.7%	0.0%	0.9%	0.2%	0.2%	0.0%	0.0%	0.0%	

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 7  
Station ID: 7  
S PINETREE BLVD WEST OF  
MAGNOLIA STREET

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
01/13/16	0	0	1	0	0	0	0	0	0	0	0	0	0	1
00:15	0	1	0	0	0	0	0	0	0	0	0	0	0	1
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
03:15	0	4	0	0	0	0	0	0	0	0	0	0	0	4
03:30	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:45	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:15	0	4	0	0	0	0	0	0	0	0	0	0	0	4
04:30	0	6	2	0	0	0	0	0	0	0	0	0	0	8
04:45	0	6	3	0	0	0	0	0	0	0	0	0	0	9
05:00	0	17	6	0	0	0	0	1	0	0	0	0	0	24
05:15	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:30	0	5	2	0	0	0	0	0	0	0	0	0	0	7
05:45	0	10	1	0	0	0	0	0	0	0	0	0	0	11
06:00	0	12	2	1	1	0	0	0	0	0	0	0	0	16
06:15	0	28	6	1	1	0	0	0	0	0	0	0	0	36
06:30	0	10	4	0	0	0	0	0	0	0	0	0	0	14
06:45	0	14	7	0	1	0	0	0	0	0	0	0	0	22
07:00	0	24	6	0	0	0	0	0	0	0	0	0	0	30
07:15	0	28	14	0	2	0	0	1	0	0	0	0	0	45
07:30	1	76	31	0	3	0	0	1	0	0	0	0	0	111
07:45	1	21	3	0	0	0	0	0	0	0	0	0	0	25
08:00	1	53	7	1	1	1	0	1	0	0	0	0	0	65
08:15	1	59	22	0	3	2	0	1	0	0	0	0	0	88
08:30	0	73	26	0	3	0	0	0	0	0	0	0	0	102
08:45	3	206	58	1	7	3	0	2	0	0	0	0	0	280
09:00	0	37	15	0	2	0	0	0	0	0	0	0	0	54
09:15	0	22	7	0	2	0	0	0	0	0	0	0	0	31
09:30	0	17	7	1	3	2	0	0	0	0	0	0	0	30
09:45	0	20	10	0	3	0	0	1	0	0	0	0	0	34
10:00	0	96	39	1	10	2	0	1	0	0	0	0	0	149
10:15	0	13	14	0	2	0	0	0	0	0	0	0	0	29
10:30	0	19	8	0	0	0	0	2	1	0	0	0	0	30
10:45	0	18	10	0	1	0	0	0	0	0	0	0	0	29
11:00	0	16	13	0	1	0	0	1	0	0	0	0	0	31
11:15	0	66	45	0	4	0	0	3	1	0	0	0	0	119
11:30	0	15	9	0	1	0	0	1	0	0	0	0	0	26
11:45	0	16	5	0	3	1	0	0	0	0	0	0	0	25
12:00	0	21	13	0	2	0	0	0	0	0	0	0	0	36
12:15	0	15	8	1	2	0	0	1	0	0	0	0	0	27
12:30	0	67	35	1	8	1	0	2	0	0	0	0	0	114
12:45	0	15	6	0	3	2	0	0	0	0	0	0	0	26
13:00	0	18	9	1	4	1	0	0	0	0	0	0	0	33
13:15	0	28	9	1	3	0	0	1	0	0	0	0	0	42
13:30	0	25	11	0	7	0	0	0	0	0	0	0	0	43
13:45	0	86	35	2	17	3	0	1	0	0	0	0	0	144
Total	3	654	257	6	50	9	0	11	1	0	0	0	0	991
Percent	0.3%	66.0%	25.9%	0.6%	5.0%	0.9%	0.0%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%	

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 7  
Station ID: 7  
S PINETREE BLVD WEST OF  
MAGNOLIA STREET

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
12 PM	0	30	16	0	0	0	0	0	0	0	0	0	0	46
12:15	0	19	11	1	3	1	0	0	0	0	0	0	0	35
12:30	0	29	13	0	4	0	0	1	0	0	0	0	0	47
12:45	0	21	16	0	3	0	0	1	1	0	0	0	0	42
13:00	0	99	56	1	10	1	0	2	1	0	0	0	0	170
13:15	0	25	18	0	5	0	0	2	0	0	0	0	0	50
13:30	0	42	16	0	5	0	0	0	0	0	0	0	0	63
13:45	0	46	19	0	1	0	0	1	0	0	0	0	0	67
14:00	0	36	17	0	6	1	0	0	0	0	0	0	0	60
14:15	0	149	70	0	17	1	0	3	0	0	0	0	0	240
14:30	0	28	7	0	0	0	0	0	0	0	0	0	0	35
14:45	0	29	14	0	1	0	0	0	0	0	0	0	0	44
15:00	0	32	18	1	1	1	0	2	1	0	0	0	0	56
15:15	1	35	16	0	5	1	0	1	0	0	0	0	0	59
15:30	1	124	55	1	7	2	0	3	1	0	0	0	0	194
15:45	2	46	16	0	0	1	0	0	0	0	0	0	0	65
16:00	1	44	15	1	4	2	0	0	0	0	0	0	0	67
16:15	1	28	18	0	3	1	0	0	1	0	0	0	0	52
16:30	0	34	21	1	2	1	0	1	0	0	0	0	0	60
16:45	4	152	70	2	9	5	0	1	1	0	0	0	0	244
17:00	0	30	18	0	1	2	0	0	0	0	0	0	0	51
17:15	0	37	22	0	3	0	0	0	0	0	0	0	0	62
17:30	1	36	19	0	2	0	1	1	1	0	0	0	0	61
17:45	0	35	18	0	4	1	0	2	0	0	0	0	0	60
18:00	1	138	77	0	10	3	1	3	1	0	0	0	0	234
18:15	1	42	16	1	0	1	0	0	0	0	0	0	0	61
18:30	2	57	19	0	6	0	0	0	0	0	0	0	0	84
18:45	0	45	27	1	2	0	0	0	0	0	0	0	0	75
19:00	0	39	11	0	1	0	0	0	0	0	0	0	0	51
19:15	3	183	73	2	9	1	0	0	0	0	0	0	0	271
19:30	0	49	6	0	4	0	0	1	0	0	0	0	0	60
19:45	0	39	17	0	1	1	0	0	0	0	0	0	0	58
20:00	0	29	9	0	3	0	0	0	0	0	0	0	0	41
20:15	0	35	6	0	5	0	0	0	0	0	0	0	0	46
20:30	0	152	38	0	13	1	0	1	0	0	0	0	0	205
20:45	0	31	9	0	0	1	0	0	0	0	0	0	0	41
21:00	0	25	1	0	0	0	0	0	0	0	0	0	0	26
21:15	0	28	4	0	0	0	0	0	0	0	0	0	0	32
21:30	0	18	11	0	1	0	0	0	0	0	0	0	0	30
21:45	0	102	25	0	1	1	0	0	0	0	0	0	0	129
22:00	0	27	4	0	2	0	0	0	0	0	0	0	0	33
22:15	0	30	4	0	0	0	0	0	0	0	0	0	0	34
22:30	0	13	1	0	0	0	0	0	0	0	0	0	0	14
22:45	0	11	2	0	0	0	0	0	0	0	0	0	0	13
23:00	0	81	11	0	2	0	0	0	0	0	0	0	0	94
23:15	0	19	3	0	0	0	0	0	0	0	0	0	0	22
23:30	0	11	3	0	0	0	0	0	0	0	0	0	0	14
23:45	0	10	2	0	1	0	0	0	0	0	0	0	0	13
24:00	0	8	0	0	0	0	0	0	0	0	0	0	0	8
24:15	0	48	8	0	1	0	0	0	0	0	0	0	0	57
24:30	0	11	2	0	1	0	0	0	0	0	0	0	0	14
24:45	0	3	4	0	1	0	0	0	0	0	0	0	0	8
25:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7
25:15	0	9	1	0	1	0	0	0	0	0	0	0	0	11
25:30	0	29	8	0	3	0	0	0	0	0	0	0	0	40
25:45	0	5	2	1	1	0	0	0	0	0	0	0	0	9
26:00	1	4	0	0	0	0	0	0	0	0	0	0	0	5
26:15	0	3	1	0	0	0	0	0	0	0	0	0	0	4
26:30	0	4	3	0	0	0	0	0	0	0	0	0	0	7
26:45	1	16	6	1	1	0	0	0	0	0	0	0	0	25
Total	10	1273	497	7	83	15	1	13	4	0	0	0	0	1903
Percent	0.5%	66.9%	26.1%	0.4%	4.4%	0.8%	0.1%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	
Grand Total	28	3913	1497	29	266	47	1	53	10	9	0	0	0	5853
Percent	0.5%	66.9%	25.6%	0.5%	4.5%	0.8%	0.0%	0.9%	0.2%	0.2%	0.0%	0.0%	0.0%	



# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 8  
Station ID: 8  
S PINETREE BLVD EAST OF  
MAGNOLIA STREET

Start Time	12-Jan-16 Tue	EB		Hour Totals		WB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		3	56			0	52				
12:15		8	67			5	54				
12:30		6	71			5	47				
12:45		4	45	21	239	5	56	15	209	36	448
01:00		1	44			2	59				
01:15		4	42			2	62				
01:30		0	46			0	74				
01:45		2	47	7	179	2	67	6	262	13	441
02:00		1	51			2	50				
02:15		2	57			2	51				
02:30		1	44			2	75				
02:45		0	62	4	214	0	66	6	242	10	456
03:00		4	100			2	52				
03:15		0	58			1	58				
03:30		2	54			2	57				
03:45		1	50	7	262	2	76	7	243	14	505
04:00		8	70			4	61				
04:15		1	71			4	76				
04:30		6	96			2	62				
04:45		4	70	19	307	8	64	18	263	37	570
05:00		4	96			6	92				
05:15		8	86			8	84				
05:30		9	62			16	68				
05:45		16	67	37	311	20	74	50	318	87	629
06:00		13	65			18	66				
06:15		18	56			14	67				
06:30		29	53			34	46				
06:45		48	32	108	206	48	40	114	219	222	425
07:00		46	36			44	39				
07:15		48	28			51	46				
07:30		72	23			116	36				
07:45		89	23	255	110	103	21	314	142	569	252
08:00		94	20			52	14				
08:15		60	18			56	22				
08:30		52	12			40	19				
08:45		64	20	270	70	46	20	194	75	464	145
09:00		46	22			34	18				
09:15		56	10			26	12				
09:30		44	12			36	20				
09:45		54	6	200	50	46	11	142	61	342	111
10:00		38	10			38	8				
10:15		33	12			35	11				
10:30		43	10			37	8				
10:45		43	7	157	39	46	10	156	37	313	76
11:00		50	9			42	10				
11:15		42	10			34	5				
11:30		54	6			50	8				
11:45		53	2	199	27	46	3	172	26	371	53
Total		1284	2014			1194	2097			2478	4111
Percent		38.9%	61.1%			36.3%	63.7%			37.6%	62.4%

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 8  
Station ID: 8  
S PINETREE BLVD EAST OF  
MAGNOLIA STREET

Start Time	13-Jan-16 Wed	EB		Hour Totals		WB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		4	64			3	55				
12:15		4	46			2	60				
12:30		3	57			2	58				
12:45		2	38	13	205	0	48	7	221	20	426
01:00		2	56			2	56				
01:15		1	47			0	66				
01:30		2	45			2	81				
01:45		4	32	9	180	1	62	5	265	14	445
02:00		1	44			0	41				
02:15		1	42			2	50				
02:30		1	40			1	60				
02:45		2	49	5	175	2	57	5	208	10	383
03:00		2	114			1	68				
03:15		0	58			1	74				
03:30		1	54			2	67				
03:45		4	58	7	284	1	66	5	275	12	559
04:00		7	76			4	60				
04:15		1	72			3	75				
04:30		5	61			5	76				
04:45		2	64	15	273	7	64	19	275	34	548
05:00		1	85			4	79				
05:15		2	76			9	90				
05:30		8	85			12	78				
05:45		8	84	19	330	18	58	43	305	62	635
06:00		12	50			16	64				
06:15		18	58			20	65				
06:30		32	75			30	36				
06:45		32	52	94	235	48	52	114	217	208	452
07:00		42	36			34	39				
07:15		57	40			66	38				
07:30		83	24			99	26				
07:45		124	20	306	120	106	28	305	131	611	251
08:00		78	18			51	30				
08:15		59	26			36	40				
08:30		36	24			30	16				
08:45		57	23	230	91	40	15	157	101	387	192
09:00		52	13			38	21				
09:15		68	18			42	16				
09:30		52	15			30	16				
09:45		44	13	216	59	38	7	148	60	364	119
10:00		30	10			32	14				
10:15		38	7			38	9				
10:30		55	7			36	5				
10:45		51	5	174	29	40	11	146	39	320	68
11:00		42	8			31	7				
11:15		47	8			35	6				
11:30		47	8			56	4				
11:45		50	3	186	27	41	9	163	26	349	53
Total		1274	2008			1117	2123			2391	4131
Percent		38.8%	61.2%			34.5%	65.5%			36.7%	63.3%
Grand Total		2558	4022			2311	4220			4869	8242
Percent		38.9%	61.1%			35.4%	64.6%			37.1%	62.9%

ADT                      ADT 6,556                      AADT 6,556

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 9  
Station ID: 9  
MAGNOLIA STREET NORTH OF  
S PINETREE BLVD

Start Time	12-Jan-16 Tue	NB		Hour Totals		SB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		1	22			1	18				
12:15		1	20			6	18				
12:30		2	18			3	47				
12:45		0	11	4	71	2	17	12	100	16	171
01:00		2	11			1	18				
01:15		0	24			0	22				
01:30		0	24			1	19				
01:45		1	32	3	91	0	16	2	75	5	166
02:00		0	14			0	9				
02:15		0	10			0	16				
02:30		1	22			0	16				
02:45		0	12	1	58	0	22	0	63	1	121
03:00		1	18			0	14				
03:15		0	19			0	13				
03:30		0	14			0	15				
03:45		0	12	1	63	0	10	0	52	1	115
04:00		0	16			1	26				
04:15		0	18			1	12				
04:30		1	6			1	22				
04:45		2	14	3	54	2	28	5	88	8	142
05:00		0	10			2	18				
05:15		4	5			3	19				
05:30		5	15			2	10				
05:45		11	12	20	42	4	12	11	59	31	101
06:00		0	12			1	9				
06:15		4	12			2	18				
06:30		8	10			8	8				
06:45		16	5	28	39	24	6	35	41	63	80
07:00		10	7			6	10				
07:15		9	10			8	3				
07:30		13	8			9	6				
07:45		20	7	52	32	16	1	39	20	91	52
08:00		14	3			18	4				
08:15		8	4			12	8				
08:30		11	4			4	1				
08:45		9	5	42	16	16	3	50	16	92	32
09:00		10	2			7	2				
09:15		10	4			12	2				
09:30		12	2			9	2				
09:45		21	5	53	13	1	2	29	8	82	21
10:00		18	2			16	3				
10:15		10	0			14	1				
10:30		12	1			8	3				
10:45		12	6	52	9	9	0	47	7	99	16
11:00		22	0			14	3				
11:15		17	1			18	3				
11:30		15	1			12	0				
11:45		14	2	68	4	18	3	62	9	130	13
Total		327	492			292	538			619	1030
Percent		39.9%	60.1%			35.2%	64.8%			37.5%	62.5%

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 9  
Station ID: 9  
MAGNOLIA STREET NORTH OF  
S PINETREE BLVD

Start Time	13-Jan-16 Wed	NB		Hour Totals		SB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		3	14			0	10				
12:15		1	21			1	7				
12:30		1	19			0	16				
12:45		0	16	5	70	0	13	1	46	6	116
01:00		0	12			0	18				
01:15		0	14			1	20				
01:30		1	22			0	14				
01:45		0	25	1	73	1	16	2	68	3	141
02:00		0	17			0	18				
02:15		0	4			0	13				
02:30		1	8			0	9				
02:45		0	20	1	49	1	12	1	52	2	101
03:00		1	14			0	18				
03:15		0	12			0	10				
03:30		0	14			0	19				
03:45		0	14	1	54	0	10	0	57	1	111
04:00		0	18			0	10				
04:15		0	12			0	14				
04:30		0	16			4	13				
04:45		2	8	2	54	2	10	6	47	8	101
05:00		0	24			2	18				
05:15		1	12			0	23				
05:30		4	11			3	16				
05:45		4	14	9	61	4	14	9	71	18	132
06:00		4	10			1	9				
06:15		4	12			4	12				
06:30		3	12			6	11				
06:45		7	12	18	46	4	12	15	44	33	90
07:00		14	16			8	8				
07:15		10	14			6	6				
07:30		14	5			7	10				
07:45		26	7	64	42	18	14	39	38	103	80
08:00		12	10			8	10				
08:15		10	19			6	24				
08:30		10	5			12	10				
08:45		6	5	38	39	21	3	47	47	85	86
09:00		10	7			6	6				
09:15		9	7			19	4				
09:30		4	4			9	1				
09:45		12	0	35	18	12	2	46	13	81	31
10:00		12	2			7	6				
10:15		12	5			8	1				
10:30		12	1			10	4				
10:45		17	2	53	10	2	3	27	14	80	24
11:00		12	3			12	3				
11:15		8	1			7	4				
11:30		8	3			9	1				
11:45		10	5	38	12	11	1	39	9	77	21
<b>Total</b>		<b>265</b>	<b>528</b>			<b>232</b>	<b>506</b>			<b>497</b>	<b>1034</b>
<b>Percent</b>		<b>33.4%</b>	<b>66.6%</b>			<b>31.4%</b>	<b>68.6%</b>			<b>32.5%</b>	<b>67.5%</b>
<b>Grand Total</b>		<b>592</b>	<b>1020</b>			<b>524</b>	<b>1044</b>			<b>1116</b>	<b>2064</b>
<b>Percent</b>		<b>36.7%</b>	<b>63.3%</b>			<b>33.4%</b>	<b>66.6%</b>			<b>35.1%</b>	<b>64.9%</b>
<b>ADT</b>		<b>ADT 1,590</b>		<b>AADT 1,590</b>							

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 10  
Station ID: 10  
MAGNOLIA STREET SOUTH OF  
S PINETREE BLVD

Start Time	12-Jan-16 Tue	NB		Hour Totals		SB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	11			1	9				
12:15		1	16			0	14				
12:30		0	5			0	5				
12:45		0	8	1	40	1	10	2	38	3	78
01:00		0	8			1	11				
01:15		1	11			0	7				
01:30		0	5			0	7				
01:45		0	10	1	34	0	10	1	35	2	69
02:00		1	6			1	10				
02:15		1	7			0	8				
02:30		0	14			0	10				
02:45		0	11	2	38	0	12	1	40	3	78
03:00		0	16			0	9				
03:15		0	12			0	12				
03:30		0	7			0	13				
03:45		1	10	1	45	0	14	0	48	1	93
04:00		7	11			1	11				
04:15		0	10			1	10				
04:30		2	7			1	10				
04:45		0	9	9	37	2	12	5	43	14	80
05:00		2	20			1	15				
05:15		2	15			3	28				
05:30		3	15			10	22				
05:45		5	14	12	64	6	15	20	80	32	144
06:00		2	14			3	7				
06:15		8	17			1	17				
06:30		7	10			6	15				
06:45		4	4	21	45	7	8	17	47	38	92
07:00		12	3			5	8				
07:15		12	4			11	7				
07:30		16	3			4	10				
07:45		18	4	58	14	10	4	30	29	88	43
08:00		8	1			10	3				
08:15		8	0			12	3				
08:30		8	0			6	3				
08:45		9	3	33	4	10	3	38	12	71	16
09:00		8	3			6	5				
09:15		8	2			8	2				
09:30		8	2			4	3				
09:45		5	1	29	8	7	2	25	12	54	20
10:00		11	4			4	0				
10:15		9	0			5	1				
10:30		5	0			8	1				
10:45		8	0	33	4	11	0	28	2	61	6
11:00		16	1			10	0				
11:15		12	0			8	1				
11:30		11	1			13	0				
11:45		12	0	51	2	5	0	36	1	87	3
Total		251	335			203	387			454	722
Percent		42.8%	57.2%			34.4%	65.6%			38.6%	61.4%

# All Traffic Data Service, Inc

1336 Farmer Road  
Conyers, Ga 30012  
404-374-1283

Site Code: 10  
Station ID: 10  
MAGNOLIA STREET SOUTH OF  
S PINETREE BLVD

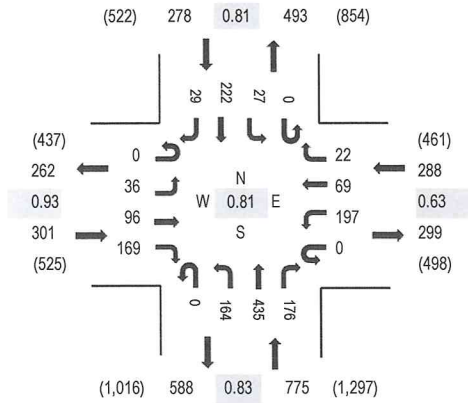
Start Time	13-Jan-16 Wed	NB		Hour Totals		SB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	11			1	10				
12:15		0	8			1	6				
12:30		1	11			0	12				
12:45		0	11	1	41	0	8	2	36	3	77
01:00		0	6			0	9				
01:15		0	14			0	10				
01:30		0	9			2	8				
01:45		2	12	2	41	2	12	4	39	6	80
02:00		1	5			0	6				
02:15		0	4			0	14				
02:30		0	10			0	4				
02:45		0	15	1	34	0	10	0	34	1	68
03:00		0	9			0	4				
03:15		0	10			0	12				
03:30		0	12			1	19				
03:45		1	10	1	41	0	14	1	49	2	90
04:00		6	14			1	7				
04:15		0	10			0	15				
04:30		2	8			1	14				
04:45		1	8	9	40	1	12	3	48	12	88
05:00		1	19			3	19				
05:15		0	10			1	32				
05:30		3	13			5	15				
05:45		3	18	7	60	2	16	11	82	18	142
06:00		3	10			3	16				
06:15		7	7			2	17				
06:30		3	18			4	4				
06:45		2	17	15	52	5	7	14	44	29	96
07:00		9	6			9	8				
07:15		12	5			8	8				
07:30		20	4			10	4				
07:45		17	6	58	21	10	6	37	26	95	47
08:00		10	3			10	7				
08:15		8	1			3	5				
08:30		7	1			6	2				
08:45		11	1	36	6	10	5	29	19	65	25
09:00		11	2			6	2				
09:15		6	8			10	5				
09:30		5	1			7	3				
09:45		8	1	30	12	4	1	27	11	57	23
10:00		5	4			6	3				
10:15		9	2			8	1				
10:30		9	0			4	0				
10:45		10	0	33	6	6	0	24	4	57	10
11:00		10	2			14	1				
11:15		14	0			4	1				
11:30		12	0			11	1				
11:45		8	1	44	3	4	0	33	3	77	6
Total		237	357			185	395			422	752
Percent		39.9%	60.1%			31.9%	68.1%			35.9%	64.1%
Grand Total		488	692			388	782			876	1474
Percent		41.4%	58.6%			33.2%	66.8%			37.3%	62.7%
ADT		ADT 1,175				AADT 1,175					



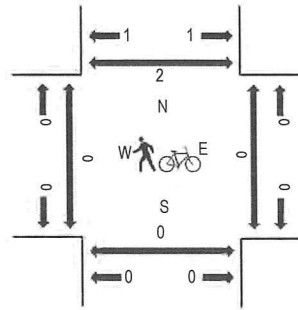
(303) 216-2439  
www.alltrafficdata.net

**Location:** 1 SR 319 & S PINETREE BLVD AM  
**Date and Start Time:** Tuesday, January 12, 2016  
**Peak Hour:** 07:15 AM - 08:15 AM  
**Peak 15-Minutes:** 07:45 AM - 08:00 AM

**Peak Hour - All Vehicles**



**Peak Hour - Pedestrians/Bicycles in Crosswalk**



Note: Total study counts contained in parentheses.

**Traffic Counts**

Interval Start Time	S PINETREE BLVD Eastbound				S PINETREE BLVD Westbound				SR 319 Northbound				JACKSON STREET Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	4	21	39	0	19	19	4	0	31	74	18	0	7	43	5	284	1,530	0	1	0	0
7:15:00 AM	0	7	21	53	0	25	19	7	0	37	81	20	0	4	39	5	318	1,642	0	0	0	0
7:30:00 AM	0	7	26	35	0	54	23	5	0	51	115	40	0	6	53	7	422	1,637	0	0	0	0
7:45:00 AM	0	10	29	42	0	90	19	5	0	46	129	58	0	7	64	7	506	1,498	0	0	0	2
8:00:00 AM	0	12	20	39	0	28	8	5	0	30	110	58	0	10	66	10	396	1,275	0	0	0	0
8:15:00 AM	0	15	16	35	0	29	17	9	0	25	81	33	0	9	44	0	313		0	0	0	0
8:30:00 AM	0	2	17	26	0	23	12	9	0	27	77	26	0	9	52	3	283		0	0	0	0
8:45:00 AM	0	1	6	42	0	19	9	4	0	25	81	24	0	13	57	2	283		0	0	0	0

**Peak Rolling Hour Flow Rates**

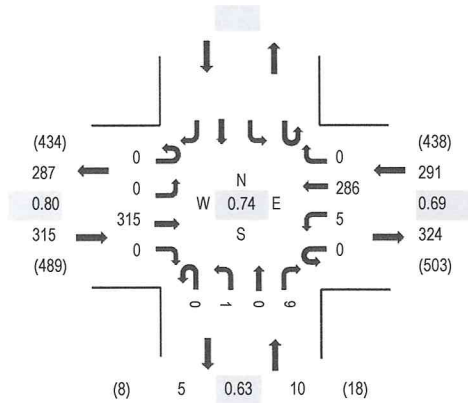
Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	1	0	12	0	0	0	0	0	12	1	0	0	0	0	1	27
Lights	0	34	94	149	0	197	66	22	0	149	427	173	0	26	219	28	1,584
Mediums	0	1	2	8	0	0	3	0	0	3	7	3	0	1	3	0	31
<b>Total</b>	<b>0</b>	<b>36</b>	<b>96</b>	<b>169</b>	<b>0</b>	<b>197</b>	<b>69</b>	<b>22</b>	<b>0</b>	<b>164</b>	<b>435</b>	<b>176</b>	<b>0</b>	<b>27</b>	<b>222</b>	<b>29</b>	<b>1,642</b>



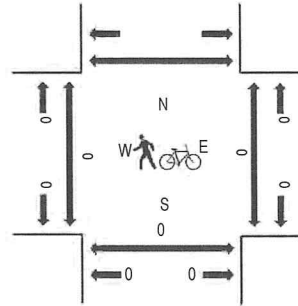
(303) 216-2439  
www.alltrafficdata.net

**Location:** 2 ACACIA BLVD & S PINETREE BLVD AM  
**Date and Start Time:** Tuesday, January 12, 2016  
**Peak Hour:** 07:30 AM - 08:30 AM  
**Peak 15-Minutes:** 07:45 AM - 08:00 AM

**Peak Hour - All Vehicles**



**Peak Hour - Pedestrians/Bicycles in Crosswalk**



Note: Total study counts contained in parentheses.

**Traffic Counts**

Interval Start Time	S PINETREE BLVD Eastbound				S PINETREE BLVD Westbound				ACACIA BLVD Northbound				Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	0	34	1	0	0	38	0	0	0	0	2					75	539	0	0	0	
7:15:00 AM	0	0	40	0	0	0	42	0	0	1	0	1					84	600	0	0	0	
7:30:00 AM	0	0	78	0	0	1	89	0	0	0	0	4					172	616	0	0	0	
7:45:00 AM	0	0	98	0	0	2	104	0	0	1	0	3					208	528	0	0	0	
8:00:00 AM	0	0	88	0	0	0	47	0	0	0	0	1					136	406	0	0	0	
8:15:00 AM	0	0	51	0	0	2	46	0	0	0	0	1					100		0	0	0	
8:30:00 AM	0	0	54	0	0	0	28	0	0	0	0	2					84		0	0	0	
8:45:00 AM	0	0	44	1	0	1	38	0	0	0	0	2					86		0	0	0	

**Peak Rolling Hour Flow Rates**

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0					0
Lights	0	0	306	0	0	3	281	0	0	1	0	9					600
Mediums	0	0	9	0	0	2	5	0	0	0	0	0					16
Total	0	0	315	0	0	5	286	0	0	1	0	9					616





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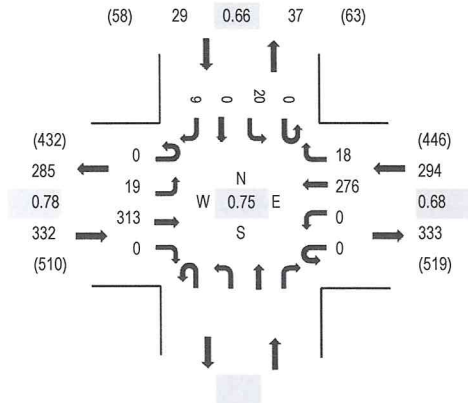
**Location:** 3 MARTIN LUTHER KING DR & S PINETREE BLVD AM

**Date and Start Time:** Tuesday, January 12, 2016

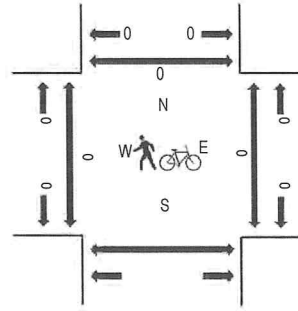
**Peak Hour:** 07:30 AM - 08:30 AM

**Peak 15-Minutes:** 07:45 AM - 08:00 AM

**Peak Hour - All Vehicles**



**Peak Hour - Pedestrians/Bicycles in Crosswalk**



Note: Total study counts contained in parentheses.

**Traffic Counts**

Interval Start Time	S PINETREE BLVD Eastbound				S PINETREE BLVD Westbound				MARTIN LUTHER KING DR Northbound				MARTIN LUTHER KING DR Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	0	40	0	0	0	31	6					0	3	0	3	83	567	0	0	0	
7:15:00 AM	0	2	37	0	0	0	42	3					0	6	0	2	92	632	0	0	0	
7:30:00 AM	0	6	75	0	0	0	85	5					0	2	0	1	174	655	0	0	0	
7:45:00 AM	0	4	102	0	0	0	104	4					0	2	0	2	218	578	0	0	0	
8:00:00 AM	0	5	84	0	0	0	43	5					0	8	0	3	148	447	0	0	0	
8:15:00 AM	0	4	52	0	0	0	44	4					0	8	0	3	115		0	0	0	
8:30:00 AM	0	5	50	0	0	0	26	5					0	6	0	5	97		0	0	0	
8:45:00 AM	0	3	41	0	0	0	37	2					0	3	0	1	87		0	0	0	

**Peak Rolling Hour Flow Rates**

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total				
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right					
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Lights	0	19	305	0	0	0	268	18					0	20	0	9	639				
Mediums	0	0	8	0	0	0	8	0					0	0	0	0	16				
Total	0	19	313	0	0	0	276	18					0	20	0	9	655				



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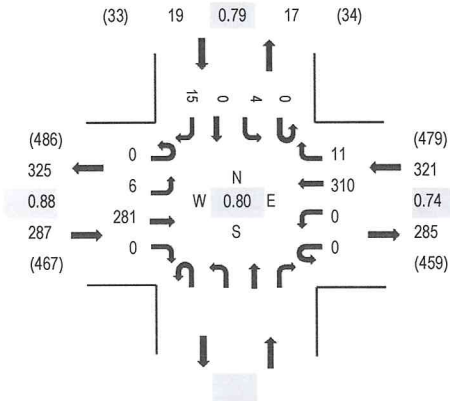
**Location:** 4 FLETCHER STREET & S PINETREE BLVD AM

**Date and Start Time:** Tuesday, January 12, 2016

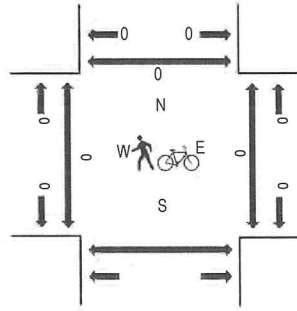
**Peak Hour:** 07:30 AM - 08:30 AM

**Peak 15-Minutes:** 07:45 AM - 08:00 AM

**Peak Hour - All Vehicles**



**Peak Hour - Pedestrians/Bicycles in Crosswalk**



Note: Total study counts contained in parentheses.

**Traffic Counts**

Interval Start Time	S PINETREE BLVD Eastbound				S PINETREE BLVD Westbound				FLETCHER STREET Northbound				FLETCHER STREET Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	2	38	0	0	0	0	40	3					0	0	0	3	86	551	0	0	0
7:15:00 AM	0	2	39	0	0	0	0	43	1					0	0	0	3	88	599	0	0	0
7:30:00 AM	0	2	67	0	0	0	0	106	3					0	1	0	3	182	627	0	0	0
7:45:00 AM	0	3	77	0	0	0	0	105	4					0	2	0	4	195	539	0	0	0
8:00:00 AM	0	1	81	0	0	0	0	46	2					0	1	0	3	134	428	0	0	0
8:15:00 AM	0	0	56	0	0	0	0	53	2					0	0	0	5	116		0	0	0
8:30:00 AM	0	3	54	0	0	0	0	31	3					0	1	0	2	94		0	0	0
8:45:00 AM	0	2	40	0	0	0	0	36	1					0	2	0	3	84		0	0	0

**Peak Rolling Hour Flow Rates**

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	6	276	0	0	0	0	307	11				0	4	0	15	619
Mediums	0	0	5	0	0	0	0	3	0				0	0	0	0	8
Total	0	6	281	0	0	0	0	310	11				0	4	0	15	627



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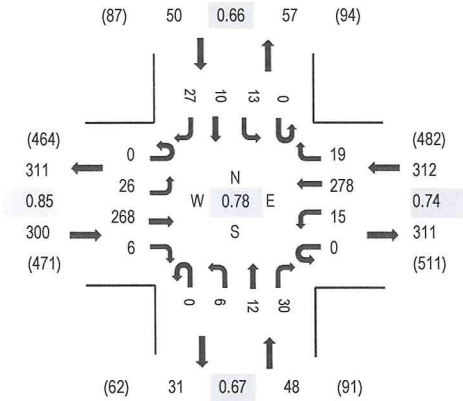
**Location:** 5 MAGNOLIA STREET & S PINETREE BLVD AM

**Date and Start Time:** Tuesday, January 12, 2016

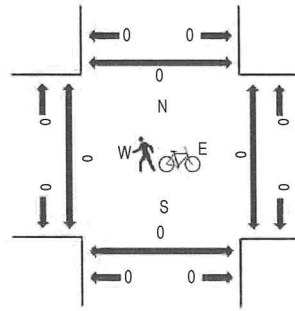
**Peak Hour:** 07:30 AM - 08:30 AM

**Peak 15-Minutes:** 07:45 AM - 08:00 AM

**Peak Hour - All Vehicles**



**Peak Hour - Pedestrians/Bicycles in Crosswalk**



Note: Total study counts contained in parentheses.

**Traffic Counts**

Interval Start Time	S PINETREE BLVD Eastbound				S PINETREE BLVD Westbound				MAGNOLIA STREET Northbound				MAGNOLIA STREET Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	4	33	0	0	2	38	2	0	0	5	9	0	2	2	2	99	635	0	0	0	0
7:15:00 AM	0	4	34	0	0	10	40	0	0	0	3	8	0	2	1	6	108	690	0	0	0	0
7:30:00 AM	0	7	64	0	0	1	102	3	0	2	3	11	0	1	1	5	200	710	0	0	0	0
7:45:00 AM	0	9	77	2	0	4	69	10	0	4	5	9	0	5	4	10	228	614	0	0	0	0
8:00:00 AM	0	5	76	2	0	3	43	5	0	0	2	5	0	7	3	3	154	496	0	0	0	0
8:15:00 AM	0	5	51	2	0	7	44	1	0	0	2	5	0	0	2	9	128		0	0	0	0
8:30:00 AM	0	4	50	1	0	4	29	2	0	0	6	3	0	3	0	2	104		0	0	0	0
8:45:00 AM	0	1	39	1	0	7	31	5	0	0	1	8	0	9	3	5	110		0	0	0	0

**Peak Rolling Hour Flow Rates**

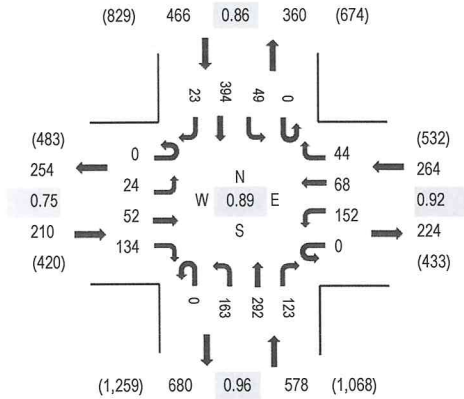
Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total	
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right		
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	23	262	6	0	13	272	18	0	6	12	29	0	13	10	26	690	
Mediums	0	3	6	0	0	2	6	1	0	0	0	1	0	0	0	1	20	
<b>Total</b>	<b>0</b>	<b>26</b>	<b>268</b>	<b>6</b>	<b>0</b>	<b>15</b>	<b>278</b>	<b>19</b>	<b>0</b>	<b>6</b>	<b>12</b>	<b>30</b>	<b>0</b>	<b>13</b>	<b>10</b>	<b>27</b>	<b>710</b>	



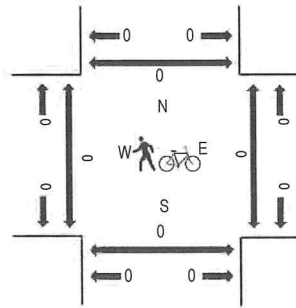
(303) 216-2439  
www.alltrafficdata.net

**Location:** 1 SR 319 & S PINETREE BLVD PM  
**Date and Start Time:** Tuesday, January 12, 2016  
**Peak Hour:** 04:45 PM - 05:45 PM  
**Peak 15-Minutes:** 05:15 PM - 05:30 PM

**Peak Hour - All Vehicles**



**Peak Hour - Pedestrians/Bicycles in Crosswalk**



Note: Total study counts contained in parentheses.

**Traffic Counts**

Interval Start Time	S PINETREE BLVD Eastbound				S PINETREE BLVD Westbound				SR 319 Northbound				JACKSON STREET Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	3	9	27	0	32	14	12	0	28	61	35	0	10	83	8	322	1,343	0	0	0	0
4:15:00 PM	0	6	17	39	0	45	15	11	0	39	43	29	0	8	63	10	325	1,385	0	0	0	0
4:30:00 PM	0	6	16	33	0	30	23	10	0	38	74	23	0	3	69	6	331	1,488	0	0	0	0
4:45:00 PM	0	6	10	25	0	42	17	10	0	39	83	28	0	11	89	5	365	1,518	0	0	0	0
5:00:00 PM	0	9	13	31	0	35	17	11	0	40	64	24	0	13	101	6	364	1,506	0	0	0	0
5:15:00 PM	0	6	20	44	0	44	17	11	0	37	71	42	0	18	114	4	428		0	0	0	0
5:30:00 PM	0	3	9	34	0	31	17	12	0	47	74	29	0	7	90	8	361		0	0	0	0
5:45:00 PM	0	7	14	33	0	47	15	14	0	19	67	34	0	11	78	14	353		0	0	0	0

**Peak Rolling Hour Flow Rates**

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total	
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right		
Articulated Trucks	0	0	0	20	0	1	1	0	0	0	24	2	0	0	0	7	0	55
Lights	0	23	52	113	0	150	64	42	0	138	284	122	0	49	384	23	1,444	
Mediums	0	1	0	1	0	1	3	2	0	1	6	1	0	0	3	0	19	
Total	0	24	52	134	0	152	68	44	0	163	292	123	0	49	394	23	1,518	



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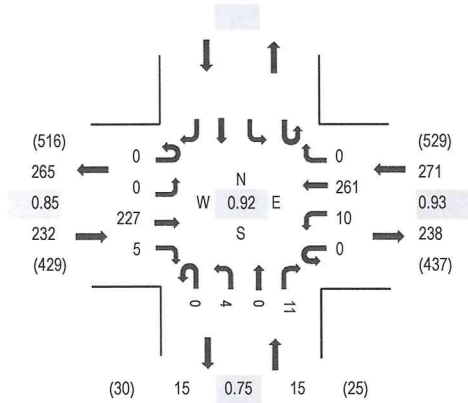
**Location:** 2 ACACIA BLVD & S PINETREE BLVD PM

**Date and Start Time:** Tuesday, January 12, 2016

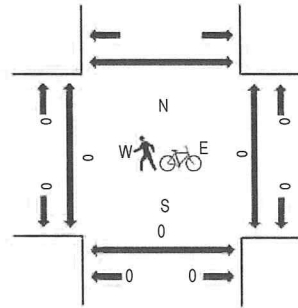
**Peak Hour:** 05:00 PM - 06:00 PM

**Peak 15-Minutes:** 05:15 PM - 05:30 PM

**Peak Hour - All Vehicles**



**Peak Hour - Pedestrians/Bicycles in Crosswalk**



Note: Total study counts contained in parentheses.

**Traffic Counts**

Interval Start Time	S PINETREE BLVD Eastbound				S PINETREE BLVD Westbound				ACACIA BLVD Northbound				Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	0	53	0	0	0	3	66	0	0	3	0	1	0	0	0	126	465	0	0	0	
4:15:00 PM	0	0	53	2	0	0	4	64	0	0	0	0	2	0	0	0	125	462	3	0	0	
4:30:00 PM	0	0	50	2	0	0	1	63	0	0	0	0	1	0	0	0	117	478	0	0	0	
4:45:00 PM	0	0	36	1	0	0	2	55	0	0	0	0	3	0	0	0	97	476	0	0	0	
5:00:00 PM	0	0	52	0	0	0	1	65	0	0	2	0	3	0	0	0	123	518	0	0	0	
5:15:00 PM	0	0	65	3	0	0	3	67	0	0	1	0	2	0	0	0	141	0	0	0	0	
5:30:00 PM	0	0	50	1	0	0	2	60	0	0	0	0	2	0	0	0	115	0	0	0	0	
5:45:00 PM	0	0	60	1	0	0	4	69	0	0	1	0	4	0	0	0	139	0	0	0	0	

**Peak Rolling Hour Flow Rates**

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	0	223	5	0	0	10	252	0	0	4	0	10	0	0	0	504
Mediums	0	0	4	0	0	0	0	9	0	0	0	0	1	0	0	0	14
Total	0	0	227	5	0	0	10	261	0	0	4	0	11	0	0	0	518



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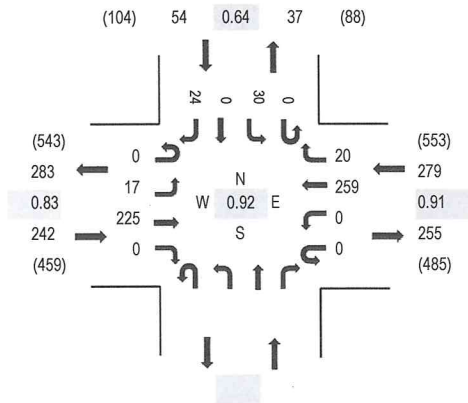
**Location:** 3 MARTIN LUTHER KING DR & S PINETREE BLVD PM

**Date and Start Time:** Tuesday, January 12, 2016

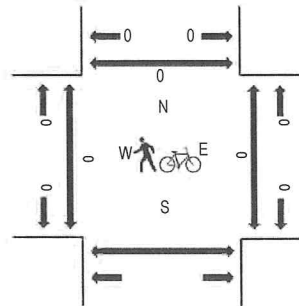
**Peak Hour:** 05:00 PM - 06:00 PM

**Peak 15-Minutes:** 05:15 PM - 05:30 PM

**Peak Hour - All Vehicles**



**Peak Hour - Pedestrians/Bicycles in Crosswalk**



Note: Total study counts contained in parentheses.

**Traffic Counts**

Interval Start Time	S PINETREE BLVD Eastbound				S PINETREE BLVD Westbound				MARTIN LUTHER KING DR Northbound				MARTIN LUTHER KING DR Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
	4:00:00 PM	0	3	56	0	0	0	61	3					0	10	0			8	141	541	0
4:15:00 PM	0	9	50	0	0	0	66	7					0	8	0	4	144	537	0	0	0	
4:30:00 PM	0	3	45	0	0	0	56	9					0	10	0	5	128	549	0	0	0	
4:45:00 PM	0	3	48	0	0	0	58	14					0	3	0	2	128	552	0	0	0	
5:00:00 PM	0	2	46	0	0	0	68	9					0	10	0	2	137	575	0	0	0	
5:15:00 PM	0	3	70	0	0	0	70	2					0	6	0	5	156		0	0	0	
5:30:00 PM	0	5	47	0	0	0	53	5					0	11	0	10	131		0	0	0	
5:45:00 PM	0	7	62	0	0	0	68	4					0	3	0	7	151		0	0	0	

**Peak Rolling Hour Flow Rates**

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0					0	0	0	0	0
Lights	0	17	222	0	0	0	252	19					0	30	0	24	564
Mediums	0	0	3	0	0	0	7	1					0	0	0	0	11
Total	0	17	225	0	0	0	259	20					0	30	0	24	575



(303) 216-2439  
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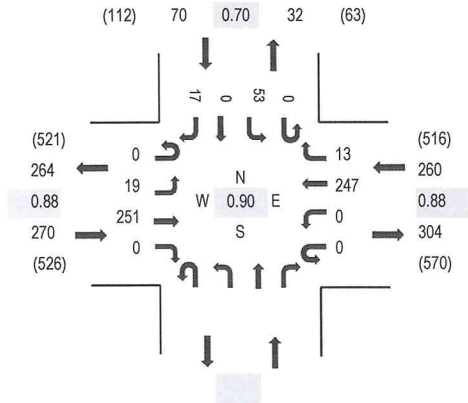
**Location:** 4 FLETCHER STREET & S PINETREE BLVD PM

**Date and Start Time:** Tuesday, January 12, 2016

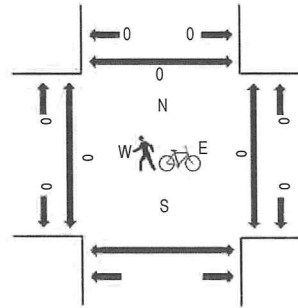
**Peak Hour:** 05:00 PM - 06:00 PM

**Peak 15-Minutes:** 05:15 PM - 05:30 PM

**Peak Hour - All Vehicles**



**Peak Hour - Pedestrians/Bicycles in Crosswalk**



Note: Total study counts contained in parentheses.

**Traffic Counts**

Interval Start Time	S PINETREE BLVD Eastbound				S PINETREE BLVD Westbound				FLETCHER STREET Northbound				FLETCHER STREET Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	4	67	0	0	0	0	59	4	0	14	0	4	152	554	0	0	0	0			
4:15:00 PM	0	2	57	0	0	0	0	61	5	0	0	0	5	130	553	0	0	0	0			
4:30:00 PM	0	5	63	0	0	0	0	62	3	0	1	0	6	140	590	0	0	0	0			
4:45:00 PM	0	2	56	0	0	0	0	56	6	0	8	0	4	132	580	0	0	0	0			
5:00:00 PM	0	6	60	0	0	0	0	65	7	0	10	0	3	151	600	0	0	0	0			
5:15:00 PM	0	5	72	0	0	0	0	64	1	0	23	0	2	167	600	0	0	0	0			
5:30:00 PM	0	6	51	0	0	0	0	49	0	0	18	0	6	130	580	0	0	0	0			
5:45:00 PM	0	2	68	0	0	0	0	69	5	0	2	0	6	152	580	0	0	0	0			

**Peak Rolling Hour Flow Rates**

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	19	248	0	0	0	0	241	12	0	53	0	17	590			
Mediums	0	0	3	0	0	0	0	6	1	0	0	0	0	10			
Total	0	19	251	0	0	0	0	247	13	0	53	0	17	600			



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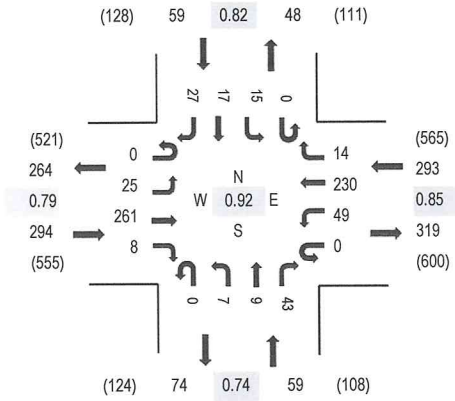
**Location:** 5 MAGNOLIA STREET & S PINETREE BLVD PM

**Date and Start Time:** Tuesday, January 12, 2016

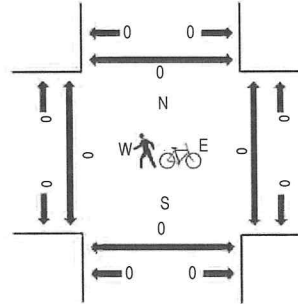
**Peak Hour:** 05:00 PM - 06:00 PM

**Peak 15-Minutes:** 05:45 PM - 06:00 PM

**Peak Hour - All Vehicles**



**Peak Hour - Pedestrians/Bicycles in Crosswalk**



Note: Total study counts contained in parentheses.

**Traffic Counts**

Interval Start Time	S PINETREE BLVD Eastbound				S PINETREE BLVD Westbound				MAGNOLIA STREET Northbound				MAGNOLIA STREET Southbound				Total	Rolling Hour	Pedestrian Crossings				
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North	
4:00:00 PM	0	13	67	0	0	0	5	52	6	0	1	6	4	0	3	4	7	168	651	0	0	0	0
4:15:00 PM	0	7	49	1	0	0	7	63	6	0	0	2	10	0	3	4	11	163	652	0	0	0	0
4:30:00 PM	0	2	59	1	0	0	10	58	4	0	3	3	8	0	8	0	9	165	678	0	0	0	0
4:45:00 PM	0	6	56	0	0	0	11	44	6	0	2	2	8	0	6	7	7	155	668	0	0	0	0
5:00:00 PM	0	7	59	1	0	0	14	58	2	0	2	2	8	0	2	4	10	169	705	0	0	0	0
5:15:00 PM	0	9	82	2	0	0	7	59	6	0	0	3	9	0	1	5	6	189		0	0	0	0
5:30:00 PM	0	3	60	3	0	0	14	44	3	0	1	2	12	0	6	2	5	155		0	0	0	0
5:45:00 PM	0	6	60	2	0	0	14	69	3	0	4	2	14	0	6	6	6	192		0	0	0	0

**Peak Rolling Hour Flow Rates**

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	23	260	8	0	49	218	14	0	7	9	43	0	13	17	27	688
Mediums	0	2	1	0	0	0	12	0	0	0	0	0	0	2	0	0	17
Total	0	25	261	8	0	49	230	14	0	7	9	43	0	15	17	27	705



**APPENDIX B: SIGNAL WARRANT ANALYSIS FOR  
SOUTH PINETREE BLVD AT MAGNOLIA STREET**

Warrants Summary												
<b>Information</b>												
Analyst	VHB					Intersection	S Pinetree Blvd at Magnolia Rd					
Agency/Co	VHB					Jurisdiction	U.S. Customary					
Date Performed	3/7/2016					Units	U.S. Customary					
Project ID						Time Period Analyzed						
East/West Street	S Pinetree Blvd					North/South Street	Magnolia Rd					
File Name	S Pinetree Blvd at Magnolia St Warrants_2016					Major Street	East-West					
Project Description												
<b>General</b>									<b>Roadway Network</b>			
Major Street Speed (mph)	35	<input type="checkbox"/>	Population < 10,000					Two Major Routes		<input type="checkbox"/>		
Nearest Signal (ft)	1	<input type="checkbox"/>	Coordinated Signal System					Weekend Count		<input type="checkbox"/>		
Crashes (per year)	1	<input type="checkbox"/>	Adequate Trials of Alternatives					5-yr Growth Factor		0		
<b>Geometry and Traffic</b>	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of lanes, N	0	1	0	0	1	0	0	1	0	0	1	0
Lane usage	LTR			LTR			LTR			LTR		
Vehicle Volume Averages (vph)	17	181	4	22	165	10	5	8	29	15	14	29
Peds (ped/h) / Gaps (gaps/h)	--	0 / 0	--	--	0 / 0	--	--	0 / 0	--	--	0 / 0	--
Delay (s/veh) / (veh-hr)	--	0 / 0	--	--	0 / 0	--	--	0 / 0	--	--	0 / 0	--
<b>Warrant 1: Eight-Hour Vehicular Volume</b>												<input type="checkbox"/>
1 A. Minimum Vehicular Volumes (Both major approaches --and-- higher minor approach) --or--												<input type="checkbox"/>
1 B. Interruption of Continuous Traffic (Both major approaches --and-- higher minor approach) --or--												<input type="checkbox"/>
1 (80%) Vehicular --and-- Interruption Volumes (Both major approaches --and-- higher minor approach)												<input type="checkbox"/>
<b>Warrant 2: Four-Hour Vehicular Volume</b>												<input type="checkbox"/>
2 A. Four-Hour Vehicular Volumes (Both major approaches --and-- higher minor approach)												<input type="checkbox"/>
<b>Warrant 3: Peak Hour</b>												<input type="checkbox"/>
3 A. Peak-Hour Conditions (Minor delay --and-- minor volume --and-- total volume ) --or--												<input type="checkbox"/>
3 B. Peak- Hour Vehicular Volumes (Both major approaches --and-- higher minor approach)												<input type="checkbox"/>
<b>Warrant 4: Pedestrian Volume</b>												<input type="checkbox"/>
4 A. Four Hour Volumes --or--												<input type="checkbox"/>
4 B. One-Hour Volumes												<input type="checkbox"/>
<b>Warrant 5: School Crossing</b>												<input type="checkbox"/>
5. Student Volumes --and--												<input type="checkbox"/>
5. Gaps Same Period												<input type="checkbox"/>
<b>Warrant 6: Coordinated Signal System</b>												<input type="checkbox"/>
6. Degree of Platooning (Predominant direction or both directions)												<input type="checkbox"/>
<b>Warrant 7: Crash Experience</b>												<input type="checkbox"/>
7 A. Adequate trials of alternatives, observance and enforcement failed --and--												<input type="checkbox"/>
7 B. Reported crashes susceptible to correction by signal (12-month period) --and--												<input type="checkbox"/>

7 C. (80%) Volumes for Warrants 1A, 1B --or-- 4 are satisfied	<input type="checkbox"/>
<b>Warrant 8: Roadway Network</b>	<input type="checkbox"/>
8 A. Weekday Volume (Peak hour total --and-- projected warrants 1, 2 or 3) --or--	<input type="checkbox"/>
8 B. Weekend Volume (Five hours total)	<input type="checkbox"/>
<b>Warrant 9: Grade Crossing</b>	<input type="checkbox"/>
9 A. Grade Crossing within 140 ft --and--	<input type="checkbox"/>
9 B. Peak-Hour Vehicular Volumes	<input type="checkbox"/>

Warrants Volume		
<b>Information</b>		
Analyst	VHB	Intersection Jurisdiction Units Time Period Analyzed North/South Street Major Street
Agency/Co	VHB	
Date Performed	3/7/2016	
Project ID		
East/West Street	S Pinetree Blvd	
File Name	S Pinetree Blvd at Magnolia St Warrants_2016	
		S Pinetree Blvd at Magnolia Rd U.S. Customary Magnolia Rd East-West

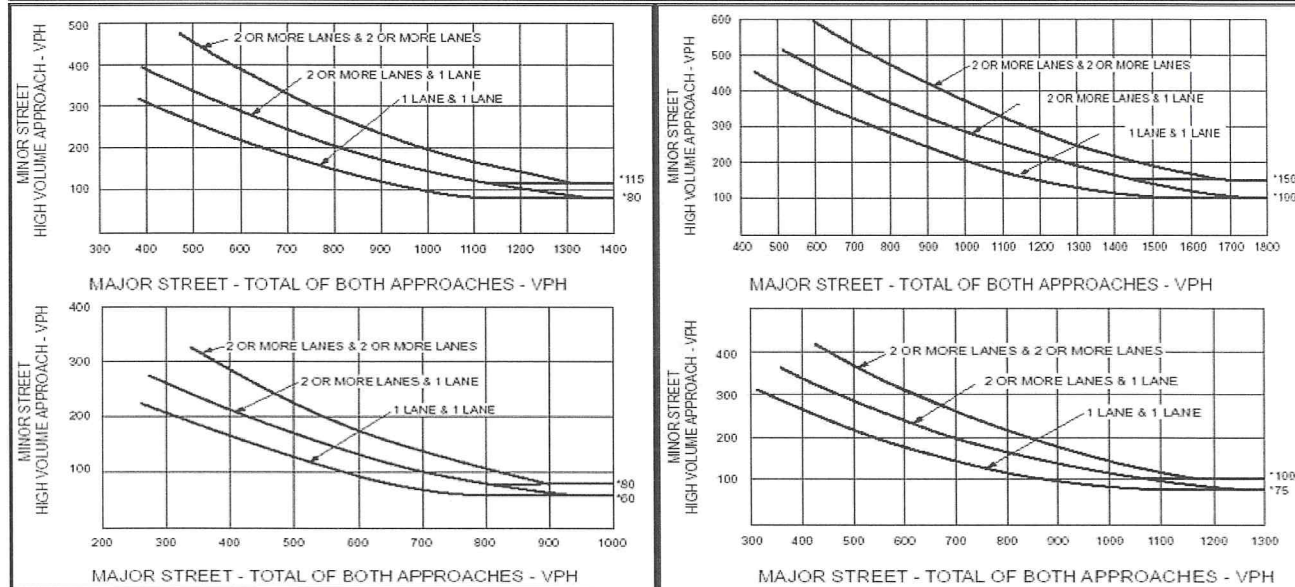
Project Description

**Warrant 1**

Condition A—Minimum Vehicular Volume										Condition B—Interruption of Continuous Traffic									
Number of lanes for moving traffic on each approach		Vehicles per hour on major street (total of both approaches)				Vehicles per hour on higher-volume minor-street approach (one direction only)				Number of lanes for moving traffic on each approach		Vehicles per hour on major street (total of both approaches)				Vehicles per hour on higher-volume minor-street approach (one direction only)			
Major Street	Minor Street	100%	80%	70%	56%	100%	80%	70%	56%	Major Street	Minor Street	100%	80%	70%	56%	100%	80%	70%	56%
1	1	500	400	350	280	150	120	105	84	1	1	750	600	525	420	75	60	53	42
2 or more	1	600	480	420	336	150	120	105	84	2 or more	1	900	720	630	504	75	60	53	42
2 or more	2 or more	600	480	420	336	200	160	140	112	2 or more	2 or more	900	720	630	504	100	80	70	56
1	2 or more	500	400	350	280	200	160	140	112	1	2 or more	750	600	525	420	100	80	70	56

**Warrant 2**

**Warrant 3**



**Volume Summary**

Hours	Major Street Lanes 1			Minor Street Lanes 1		Speed 35		Population 10000+		
	Major Volume	Minor Volume	Total Volume	1A (100%)	1A (80%)	1B (100%)	1B (80%)	2 (100%)	3A (100%)	3B (100%)
07-08	546	58	643	No	No	No	No	No	No	No
08-09	386	50	473	No	No	No	No	No	No	No
09-10	276	31	337	No	No	No	No	No	No	No
10-11	287	46	366	No	No	No	No	No	No	No
11-12	318	61	424	No	No	No	No	No	No	No
12-13	347	100	488	No	No	No	No	No	No	No
13-14	402	75	518	No	No	No	No	No	No	No
14-15	420	63	517	No	No	No	No	No	No	No
15-16	443	52	536	No	No	No	No	No	No	No
16-17	468	87	595	No	No	No	No	No	No	No
17-18	527	60	646	No	No	No	No	No	No	No
18-19	402	52	495	No	No	No	No	No	No	No
Totals	4822	735	6038	0	0	0	0	0	0	0

Warrants Summary												
<b>Information</b>												
Analyst	VHB			Intersection	S Pinetree Blvd at Magnolia Rd							
Agency/Co	VHB			Jurisdiction	U.S. Customary							
Date Performed	2/2/2016			Units	U.S. Customary							
Project ID				Time Period Analyzed								
East/West Street	S Pinetree Blvd			North/South Street	Magnolia Rd							
File Name	S Pinetree Blvd at Magnolia St Warrants_2036			Major Street	East-West							
Project Description												
<b>General</b>								<b>Roadway Network</b>				
Major Street Speed (mph)	35	<input type="checkbox"/>	Population < 10,000			Two Major Routes		<input type="checkbox"/>				
Nearest Signal (ft)	1	<input type="checkbox"/>	Coordinated Signal System			Weekend Count		<input type="checkbox"/>				
Crashes (per year)	0	<input type="checkbox"/>	Adequate Trials of Alternatives			5-yr Growth Factor		0				
<b>Geometry and Traffic</b>												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of lanes, N	1	1	0	1	1	0	0	1	0	0	1	0
Lane usage	L	TR		L	TR			LTR			LTR	
Vehicle Volume Averages (vph)	21	221	6	27	202	13	6	10	35	18	17	35
Peds (ped/h) / Gaps (gaps/h)	--	0 / 0	--	--	0 / 0	--	--	0 / 0	--	--	0 / 0	--
Delay (s/veh) / (veh-hr)	--	0 / 0	--	--	0 / 0	--	--	0 / 0	--	--	0 / 0	--
<b>Warrant 1: Eight-Hour Vehicular Volume</b>												<input type="checkbox"/>
1 A. Minimum Vehicular Volumes (Both major approaches --and-- higher minor approach) --or--												<input type="checkbox"/>
1 B. Interruption of Continuous Traffic (Both major approaches --and-- higher minor approach) --or--												<input type="checkbox"/>
1 (80%) Vehicular --and-- Interruption Volumes (Both major approaches --and-- higher minor approach)												<input type="checkbox"/>
<b>Warrant 2: Four-Hour Vehicular Volume</b>												<input type="checkbox"/>
2 A. Four-Hour Vehicular Volumes (Both major approaches --and-- higher minor approach)												<input type="checkbox"/>
<b>Warrant 3: Peak Hour</b>												<input type="checkbox"/>
3 A. Peak-Hour Conditions (Minor delay --and-- minor volume --and-- total volume ) --or--												<input type="checkbox"/>
3 B. Peak- Hour Vehicular Volumes (Both major approaches --and-- higher minor approach)												<input type="checkbox"/>
<b>Warrant 4: Pedestrian Volume</b>												<input type="checkbox"/>
4 A. Four Hour Volumes --or--												<input type="checkbox"/>
4 B. One-Hour Volumes												<input type="checkbox"/>
<b>Warrant 5: School Crossing</b>												<input type="checkbox"/>
5. Student Volumes --and--												<input type="checkbox"/>
5. Gaps Same Period												<input type="checkbox"/>
<b>Warrant 6: Coordinated Signal System</b>												<input type="checkbox"/>
6. Degree of Platooning (Predominant direction or both directions)												<input type="checkbox"/>
<b>Warrant 7: Crash Experience</b>												<input type="checkbox"/>
7 A. Adequate trials of alternatives, observance and enforcement failed --and--												<input type="checkbox"/>
7 B. Reported crashes susceptible to correction by signal (12-month period) --and--												<input type="checkbox"/>

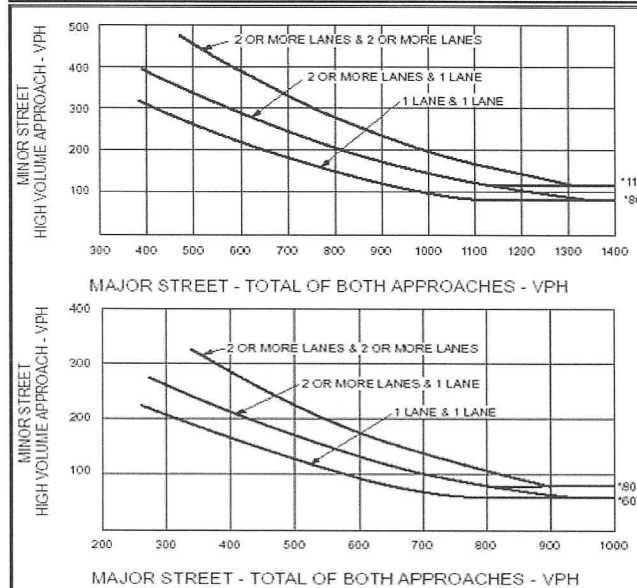
7 C. (80%) Volumes for Warrants 1A, 1B --or-- 4 are satisfied	<input type="checkbox"/>
<b>Warrant 8: Roadway Network</b>	<input type="checkbox"/>
8 A. Weekday Volume (Peak hour total --and-- projected warrants 1, 2 or 3) --or--	<input type="checkbox"/>
8 B. Weekend Volume (Five hours total)	<input type="checkbox"/>
<b>Warrant 9: Grade Crossing</b>	<input type="checkbox"/>
9 A. Grade Crossing within 140 ft --and--	<input type="checkbox"/>
9 B. Peak-Hour Vehicular Volumes	<input type="checkbox"/>

Warrants Volume		
<b>Information</b>		
Analyst	VHB	Intersection Jurisdiction
Agency/Co	VHB	
Date Performed	2/2/2016	S Pinetree Blvd at Magnolia Rd
Project ID		Units
East/West Street	S Pinetree Blvd	U.S. Customary
File Name	S Pinetree Blvd at Magnolia St Warrants_2036	Time Period Analyzed
		North/South Street
		Major Street
		Magnolia Rd
		East-West
Project Description		

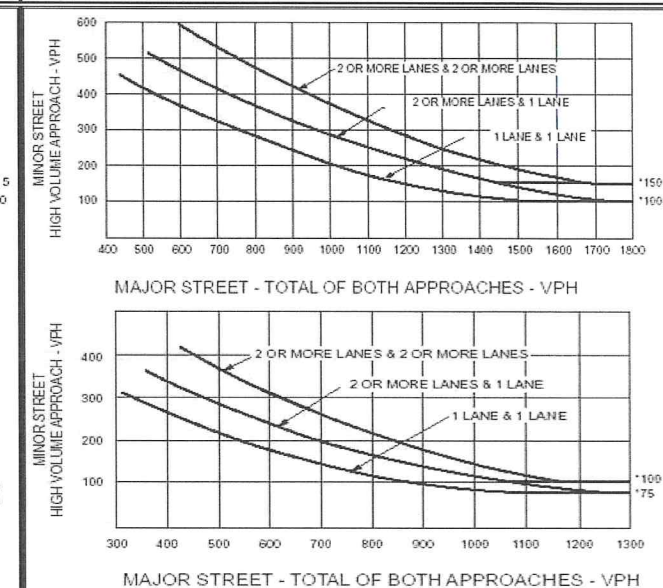
**Warrant 1**

Condition A—Minimum Vehicular Volume										Condition B—Interruption of Continuous Traffic									
Number of lanes for moving traffic on each approach		Vehicles per hour on major street (total of both approaches)				Vehicles per hour on higher-volume minor-street approach (one direction only)				Number of lanes for moving traffic on each approach		Vehicles per hour on major street (total of both approaches)				Vehicles per hour on higher-volume minor-street approach (one direction only)			
Major Street	Minor Street	100%	80%	70%	56%	100%	80%	70%	56%	Major Street	Minor Street	100%	80%	70%	56%	100%	80%	70%	56%
1	1	500	400	350	280	150	120	105	84	1	1	750	600	525	420	75	60	53	42
2 or more	1	600	480	420	336	150	120	105	84	2 or more	1	900	720	630	504	75	60	53	42
2 or more	2 or more	600	480	420	336	200	160	140	112	2 or more	2 or more	900	720	630	504	100	80	70	56
1	2 or more	500	400	350	280	200	160	140	112	1	2 or more	750	600	525	420	100	80	70	56

**Warrant 2**



**Warrant 3**



**Volume Summary**

Hours	Major Street Lanes 2+			Minor Street Lanes 1		Speed		Population		10000+	
	Major Volume	Minor Volume	Total Volume	1A (100%)	1A (80%)	1B (100%)	1B (80%)	2 (100%)	3A (100%)	3B (100%)	
07-08	665	71	784	No	No	No	No	No	No	No	No
08-09	471	61	575	No	No	No	No	No	No	No	No
09-10	338	37	410	No	No	No	No	No	No	No	No
10-11	350	57	447	No	No	No	No	No	No	No	No
11-12	390	76	520	No	No	No	No	No	No	No	No
12-13	425	122	596	No	No	No	No	No	No	No	No
13-14	494	91	635	No	No	No	No	No	No	No	No
14-15	513	77	631	No	No	No	No	No	No	No	No
15-16	539	63	652	No	No	No	No	No	No	No	No
16-17	571	107	727	No	No	No	No	No	No	No	No
17-18	644	73	789	No	No	No	No	No	No	No	No
18-19	490	64	604	No	No	No	No	No	No	No	No
Totals	5890	899	7370	0	0	0	0	0	0	0	0