

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
TRAFFIC ENGINEERING REPORT

For the intersection of:  
STATE ROUTE SR54 AND LINE CREEK DRIVE

In the County of: Fayette  
At Mile log: 0.74



Report prepared by:  
**LAI ENGINEERING**  
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Marietta, GA 30067

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Date report prepared: \_\_\_\_\_

**Location:**

The project is located in Peachtree City at the intersection of State Route 54 (SR 54) and Line Creek Drive.

**Reason for the investigation:**

Peachtree City is requesting that the intersection of SR 54 & Line Creek Drive be signalized to accommodate for a retail development, known as Line Creek Retail. The development will use the study intersection as its main access point due to deed restrictions preventing access to adjacent signalized intersections.

**Description of the intersection:**

The intersection of State Route 54 and Line Creek Drive is located approximately 9 miles east of Interstate 85 in Fayette County, Georgia. Currently there is no existing traffic signal but the intersection does have a TYPE B median crossover. Appendix A shows the existing intersection configuration.

- Line Creek Drive intersects with SR 54 from the south and is currently an un-signalized intersection. Line Creek Drive is dead-end street that leads to an abandoned businesses park. Line Creek Drive's intersection will be utilized as the proposed site's main driveway.
- SR 54 is a 4 lane divided road that travels east, from Coweta County Line through Peachtree City to the City of Fayetteville. SR 54 is functionally classified by the Georgia Department of Transportation (GDOT) as an Urban Minor Arterial and has a posted speed limit of 45 MPH. SR 54 has separate left and right turn lanes as it approaches Line Creek Drive from the east and west. SR 54 has an average annual daily traffic volume of 32,479 east side of Line Creek Drive and 31,927 on the west side of Line Creek Drive SR 54 . Along SR 54 in Peachtree City there is a multi-use path used by pedestrians and golf carts as an alternate mode of transportation. Peachtree City has plans to extend the existing path across the intersection of SR 54 and Line Creek Drive. Therefore the proposed signalized intersection will be designed to accommodate this project.

Table 1 Traffic Volumes in vehicles per day vpd:		
State Route 54 GDOT Count Station 0180		
YEAR	Directional (vpd)	AADT (vpd)
2007	16,840 E / 17,010 W	33,850
2006	15,710 E / 16,230 W	31,940
2005	NA	34,680
2004	NA	34,340

PM Peak hour ADTs and Turning Movement Counts are attached in Appendix B.

**Existing Traffic Control:**

- There is no existing traffic control at the intersection of SR 54 and Line Creek Drive.

**Vehicular speeds:**

- State Route 54 has a posted speed limit of 45 mph as it approaches its intersection with Line Creek Drive.
- There is no posted speed limit on Line Creek Drive.

**Pedestrian movements:**

There is little or no pedestrian movement on the south side of SR 54 at present; however the Line Creek Retail development is intended to be a pedestrian friendly development. Sidewalks will be provided in and around the development. The proposed intersection will have sidewalks on all approaches and will tie into Peachtree City's multi-use paths.

**Other modes of transportation present:**

Currently there are no transit agencies that serve the proposed development area. Information obtained from Fayette County indicates that there are no plans for future transit elements in this area.

Golf Carts are often used as alternate modes of transportation in Peachtree City. Line Creek Retail will accommodate this alternate transportation mode by providing wide sidewalks and parking facilities to accommodate these special uses.

**Delay:**

Synchro 7.0 was used to analyze the existing traffic conditions at SR 34 and Line Creek Drive. The intersection was observed to be currently operating at a Level of Service C in the PM peak hour with an average delay of 20.93 seconds for each approach.

**Parking:**

There was no parking observed or expected at the intersection.

**Accident History:**

LAI collected four (4) years of crash data that occurred at this intersection from 2004 to 2007. A total of 206 accidents occurred at the study area intersections; of which 74% were of rear-end type. Table 2 summarizes the accident types at the study intersection. Accident details are included in Appendix C.

Table 2 Accident History Summary					
<i>McDuff Parkway</i>					
Accident Type	2004	2005	2006	2007	Total
Sideswipe	1	0	0	0	1
Rear End	16	10	5	7	38
Angle	2	0	1	0	3
Animal	0	0	0	1	1
<b>Total</b>	<b>19</b>	<b>10</b>	<b>6</b>	<b>8</b>	<b>43</b>
<i>Line Creek Drive</i>					
Accident Type	2004	2005	2006	2007	Total
Sideswipe	0	0	1	0	1
Rear End	12	7	6	3	28
Angle	10	5	3	2	20
<b>Total</b>	<b>22</b>	<b>12</b>	<b>10</b>	<b>5</b>	<b>49</b>
<i>Planterra Way</i>					
Accident Type	2004	2005	2006	2007	Total
Sideswipe	1	2	1	1	5
Rear End	38	20	13	15	86
Angle	8	7	2	2	19
Head On	1	1	0	0	2
Fixed Object	0	1	0	1	2
<b>Total</b>	<b>48</b>	<b>31</b>	<b>16</b>	<b>19</b>	<b>114</b>

**Adjacent Signalized Intersections:**

Planterra Way, south of SR 54 is a 2-lane divided roadway functionally classified by GDOT as an urban collector street. The posted speed limit on Planterra Way is 35 miles per hour within the study area. The land uses along Planterra Way is mostly residential and light commercial use. The north side of SR 54 and Planterra Way is a Wal-Mart driveway. The intersection of Planterra Way at SR 54 is signalized.

McDuff Parkway intersects into SR 54 from the north is a 2-lane divided roadway functionally classified by GDOT in sections as an urban local street and in other sections as a small urban local collector street. MucDuff Parkway has a posted speed limit of 35 miles per hour within the study area. The land uses along this route are mainly residential. A future retail development (The Shoppes @ Village Plaza) will use the south side of SR 54 / McDuff Parkway intersection as its main driveway and was included in future projection models. The intersection of McDuff Parkway at SR 54 is signalized.

### Signal Warrant Analysis:

A traffic signal warrant investigation must be conducted to determine whether the installation of a traffic control signal is justified at a particular location. The Manual on Uniform Traffic Control Devices (MUTCD) 2003 Edition, explains the methodology for conducting an investigation. The MUTCD describes eight warrants that may be considered and four of them are applicable to our investigations. The Signal Warrant analysis for Line Creek Dr. /Driveway 1 was based on the existing ADT volumes minus the right turns of the projected site generated volumes.

#### Warrant 1 - Eight-Hour Vehicular Volume

The Minimum Vehicular Volume, Condition A, is intended for application where a large volume of intersecting traffic is the principal reason to consider installing a traffic control signal.

The Interruption of Continuous Traffic, Condition B, is intended for application where the traffic volume on a major street is so heavy that traffic on a minor intersecting street suffers excessive delay or conflict in entering or crossing the major street.

Warrant 1 is met if the requirements for Condition A or Condition B are fulfilled for any eight hours of an average day or if a Combination of Warrants, 100% of Condition A and 100% of Condition B, is fulfilled for any eight hours of an average day.

#### Warrant 2 - Four-Hour Vehicular Volume

The Four-Hour Vehicular Volume signal warrant conditions are intended to be applied where the volume of intersecting traffic is the principal reason to consider installing a traffic control signal. Warrant 2 is met if the requirements are met for any four hours of an average day.

#### Warrant 3 - Peak Hour

The Peak Hour signal warrant is intended for use at a location where traffic conditions are such that for a minimum of 1 hour of an average day, the minor-street traffic suffers undue delay when entering or crossing the major street. This signal warrant shall be applied only in unusual cases. Such cases include, but are not limited to, office complexes, manufacturing plants, industrial complexes, or high-occupancy vehicle facilities that attract or discharge large numbers of vehicles over a short time.

LAI prepared an analysis of the traffic signal warrants found in the MUTCD for intersections of State Route 54 and Driveway 1 using the 2003 version of PC-Warrants. This software compares traffic volumes and accident experience at an intersection with the traffic signal warrants found in the MUTCD.

Appendix D shows a printout of the results along with a breakdown of the traffic volumes used for the signal warrant analysis. Table 3 summarizes the results of the traffic signal warrants analysis conducted.

Table 3 Traffic Signal Warrants Analysis per MUTCD (2003) Warrant			
Number	Condition	SR 54 @ Line Creek Dr	
1	8-Hour Vehicular Volume	Condition A	Satisfied
		Condition B	Satisfied
		Condition A & B	Satisfied
2	4-Hour Vehicular Volume	Satisfied	
3	Peak Hour	Satisfied	
Should a signal be considered further?		Yes	

**Recommendations:**

LAI conducted a capacity analysis study for each of the intersections within the study area. Analysis for three different build scenarios (at Line Creek Drive) were considered and evaluated to determine the effects each scenario had on LOS and capacity at the study intersections and roadways. The capacity analysis showed that a signalized intersection at Line Creek Drive and SR 54 would provide the best LOS and delay for this intersection and the network as a whole.

To establish that the proposed traffic signal would meet GDOT requirements for installation of a traffic signal, LAI conducted a signal warrants analysis for the intersection of State Route 54 and Line Creek Drive (Driveway 1). Based upon projected background traffic (including the traffic for The Shoppes at Village Piazza) and future projected trips generated by the proposed Line Creek Retail development, the study intersection met Warrants 1, 1A, 1B & 1AB, 2, 3, 3A and 3B under future build-out traffic conditions. Projected right turns were also accounted for in the warrant analysis and removed from the volumes used to generate the warrant.

Therefore LAI recommends:

- Installing a traffic signal at the intersections of State Route 54 and Driveway 1 (Line Creek Drive) to improve the flow of traffic along the corridor, to ease congestion and improve the LOS and functional operations of the adjacent intersections,
- Installing a separate left turn, thru and right turn lanes on the northbound approach of Line Creek Drive at its intersection with SR 54 and
- Adding a southbound shared thru/right-turn lane at the intersection of SR 54 @ Line Creek Drive and turn the existing lane into a left turn lane in order to comply with GDOT driveway access standards.
- That the northeast quadrant of the intersection is designed to tie into Peachtree City's multi-use path that is being permitted for construction.
- Optimizing the cycle lengths as a network for the study intersections along SR 54.

Appendix E shows the 2009 proposed lane configurations with the proposed traffic signal.



RECOMMENDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
District Traffic Engineer

RECOMMENDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
State Traffic Safety and Design Engineer

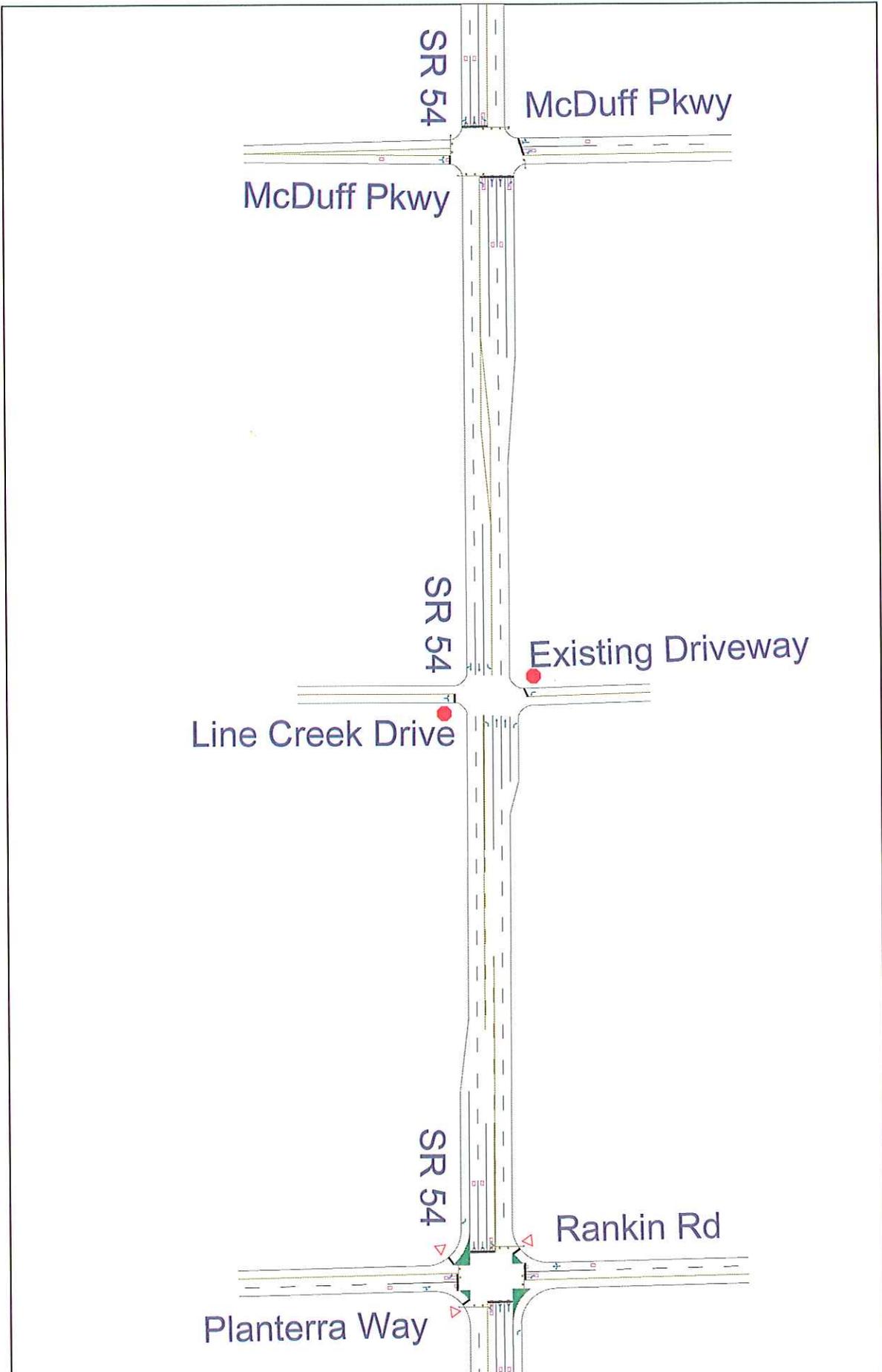
APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Director of Operations

**Traffic Engineering Report Appendix:**

- A. Sketch of the present intersection
- B. Traffic Count Summary Sheets
- C. GDOT Accident Summary
- D. Signal Warrant Analysis
- E. Sketch of the proposed intersection

Appendix A. Sketch of the present intersection

Existing Intersection Geometry



## Appendix B. Traffic Count Summary Sheets

Latitude: 0' 0.000 Undefined

Start Time	07-Aug-0 Thu	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		12	191			23	237				
12:15		8	223			14	238				
12:30		7	213			21	233				
12:45		8	269	35	896	17	196	75	904	110	1800
01:00		8	218			20	239				
01:15		6	226			13	243				
01:30		4	204			12	259				
01:45		5	224	23	872	2	220	47	961	70	1833
02:00		5	197			13	251				
02:15		3	189			14	276				
02:30		3	221			7	292				
02:45		9	267	20	874	12	303	46	1122	66	1996
03:00		9	286			4	292				
03:15		9	249			10	325				
03:30		23	224			4	327				
03:45		14	244	55	1003	6	361	24	1305	79	2308
04:00		11	258			4	381				
04:15		13	268			8	461				
04:30		34	274			8	425				
04:45		44	272	102	1072	19	443	39	1710	141	2782
05:00		37	285			25	487				
05:15		56	264			24	496				
05:30		99	318			44	518				
05:45		141	258	333	1125	35	387	128	1888	461	3013
06:00		152	270			66	382				
06:15		202	236			83	318				
06:30		362	239			90	280				
06:45		342	221	1058	966	107	264	346	1244	1404	2210
07:00		304	209			119	243				
07:15		373	160			164	235				
07:30		514	155			211	198				
07:45		491	87	1682	611	232	185	726	861	2408	1472
08:00		367	115			188	186				
08:15		375	111			183	150				
08:30		344	116			165	171				
08:45		323	92	1409	434	166	187	702	694	2111	1128
09:00		247	101			165	186				
09:15		226	76			174	145				
09:30		229	90			162	127				
09:45		213	81	915	348	158	114	659	572	1574	920
10:00		209	85			160	98				
10:15		216	81			166	75				
10:30		198	52			166	76				
10:45		219	33	842	251	164	52	656	301	1498	552
11:00		185	40			173	73				
11:15		216	36			197	64				
11:30		208	35			201	46				
11:45		239	21	848	132	224	33	795	216	1643	348
Total		7322	8584			4243	11778			11565	20362
Percent		46.0%	54.0%			26.5%	73.5%			36.2%	63.8%
Grand Total		7322	8584			4243	11778			11565	20362
Percent		46.0%	54.0%			26.5%	73.5%			36.2%	63.8%

ADT Not Calculated

Latitude: 0' 0.000 Undefined

Start Time	07-Aug-0 Thu	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		25	241			40	276				
12:15		19	256			25	283				
12:30		15	272			18	287				
12:45		22	291	81	1060	18	251	101	1097	182	2157
01:00		11	280			15	259				
01:15		17	249			10	244				
01:30		7	254			10	256				
01:45		9	261	44	1044	15	281	50	1040	94	2084
02:00		13	234			11	298				
02:15		7	257			12	292				
02:30		5	265			11	270				
02:45		8	242	33	998	8	263	42	1123	75	2121
03:00		8	253			6	297				
03:15		12	219			7	294				
03:30		8	275			4	343				
03:45		15	288	43	1035	4	389	21	1323	64	2358
04:00		10	285			5	397				
04:15		20	232			10	309				
04:30		18	264			11	389				
04:45		34	295	82	1076	13	361	39	1456	121	2532
05:00		34	270			13	450				
05:15		39	271			22	422				
05:30		90	260			33	471				
05:45		99	272	262	1073	39	453	107	1796	369	2869
06:00		100	277			54	369				
06:15		162	271			62	348				
06:30		259	221			81	327				
06:45		213	237	734	1006	96	262	293	1306	1027	2312
07:00		259	208			129	238				
07:15		309	160			129	257				
07:30		416	163			119	216				
07:45		461	169	1445	700	134	229	511	940	1956	1640
08:00		444	172			158	245				
08:15		291	164			171	218				
08:30		295	174			149	260				
08:45		278	147	1308	657	144	197	622	920	1930	1577
09:00		248	139			158	177				
09:15		214	121			149	157				
09:30		213	103			152	127				
09:45		254	87	929	450	183	103	642	564	1571	1014
10:00		217	97			172	90				
10:15		216	72			164	91				
10:30		226	65			172	66				
10:45		258	50	917	284	184	56	692	303	1609	587
11:00		223	53			229	50				
11:15		211	36			235	43				
11:30		236	29			237	37				
11:45		255	30	925	148	288	38	989	168	1914	316
Total		6803	9531			4109	12036			10912	21567
Percent		41.6%	58.4%			25.5%	74.5%			33.6%	66.4%
Grand Total		6803	9531			4109	12036			10912	21567
Percent		41.6%	58.4%			25.5%	74.5%			33.6%	66.4%

ADT Not Calculated

**Reliable Traffic Data Services, LLC**  
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TMC Data  
 SR 54 and Line Creek Dr

File Name : 26030001  
 Site Code : 26030001  
 Start Date : 7/29/2008  
 Page No : 1

**Groups Printed- Cars, Trucks & Buses**

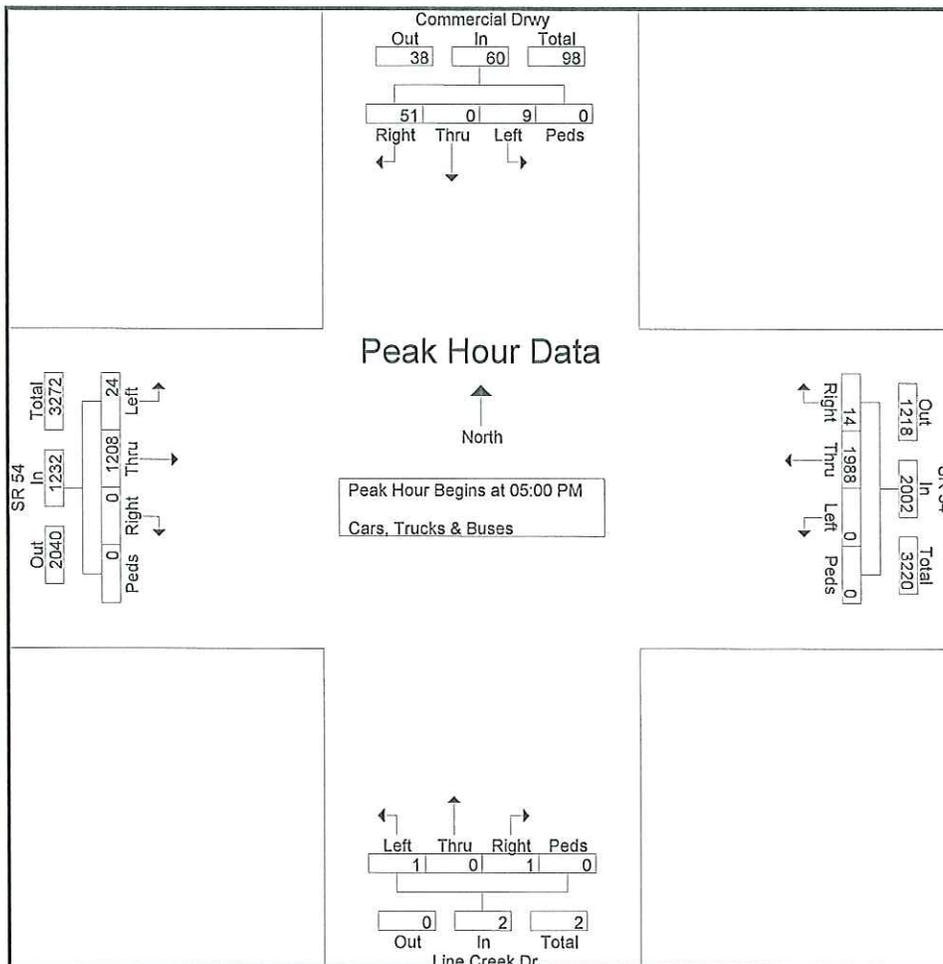
Start Time	Line Creek Dr Northbound					Commercial Drwy Southbound					SR 54 Eastbound					SR 54 Westbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:00 PM	0	0	0	0	0	3	0	15	0	18	2	273	0	0	275	0	328	4	0	332	625
04:15 PM	1	0	1	0	2	3	0	13	0	16	6	258	0	0	264	0	369	2	0	371	653
04:30 PM	1	1	0	0	2	2	0	17	0	19	11	246	0	0	257	0	436	6	0	442	720
04:45 PM	0	0	0	0	0	3	0	12	0	15	7	277	0	0	284	0	458	7	0	465	764
<b>Total</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>11</b>	<b>0</b>	<b>57</b>	<b>0</b>	<b>68</b>	<b>26</b>	<b>1054</b>	<b>0</b>	<b>0</b>	<b>1080</b>	<b>0</b>	<b>1591</b>	<b>19</b>	<b>0</b>	<b>1610</b>	<b>2762</b>
05:00 PM	0	0	0	0	0	1	0	15	0	16	8	291	0	0	299	0	534	4	0	538	853
05:15 PM	1	0	0	0	1	3	0	13	0	16	5	300	0	0	305	0	503	2	0	505	827
05:30 PM	0	0	1	0	1	2	0	11	0	13	4	313	0	0	317	0	489	3	0	492	823
05:45 PM	0	0	0	0	0	3	0	12	0	15	7	304	0	0	311	0	462	5	0	467	793
<b>Total</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>9</b>	<b>0</b>	<b>51</b>	<b>0</b>	<b>60</b>	<b>24</b>	<b>1208</b>	<b>0</b>	<b>0</b>	<b>1232</b>	<b>0</b>	<b>1988</b>	<b>14</b>	<b>0</b>	<b>2002</b>	<b>3296</b>
<b>Grand Total</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>20</b>	<b>0</b>	<b>108</b>	<b>0</b>	<b>128</b>	<b>50</b>	<b>2262</b>	<b>0</b>	<b>0</b>	<b>2312</b>	<b>0</b>	<b>3579</b>	<b>33</b>	<b>0</b>	<b>3612</b>	<b>6058</b>
<b>Apprch %</b>	<b>50</b>	<b>16.7</b>	<b>33.3</b>	<b>0</b>		<b>15.6</b>	<b>0</b>	<b>84.4</b>	<b>0</b>		<b>2.2</b>	<b>97.8</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>99.1</b>	<b>0.9</b>	<b>0</b>		
<b>Total %</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.1</b>	<b>0.3</b>	<b>0</b>	<b>1.8</b>	<b>0</b>	<b>2.1</b>	<b>0.8</b>	<b>37.3</b>	<b>0</b>	<b>0</b>	<b>38.2</b>	<b>0</b>	<b>59.1</b>	<b>0.5</b>	<b>0</b>	<b>59.6</b>	

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TMC Data  
 SR 54 and Line Creek Dr

File Name : 26030001  
 Site Code : 26030001  
 Start Date : 7/29/2008  
 Page No : 2

Start Time	Line Creek Dr Northbound					Commercial Drwy Southbound					SR 54 Eastbound					SR 54 Westbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	0	0	0	0	0	1	0	15	0	16	8	291	0	0	299	0	534	4	0	538	853
05:15 PM	1	0	0	0	1	3	0	13	0	16	5	300	0	0	305	0	503	2	0	505	827
05:30 PM	0	0	1	0	1	2	0	11	0	13	4	313	0	0	317	0	489	3	0	492	823
05:45 PM	0	0	0	0	0	3	0	12	0	15	7	304	0	0	311	0	462	5	0	467	793
Total Volume	1	0	1	0	2	9	0	51	0	60	24	1208	0	0	1232	0	1988	14	0	2002	3296
% App. Total	50	0	50	0		15	0	85	0		1.9	98.1	0	0		0	99.3	0.7	0		
PHF	.250	.000	.250	.000	.500	.750	.000	.850	.000	.938	.750	.965	.000	.000	.972	.000	.931	.700	.000	.930	.966



Reliable Traffic Data Services, LLC

Tel: (770) 578-5158 Fax: (770) 578-8159

Email: reliabletraffic@msn.com

TMC Data

File Name : 26050001pm

Site Code : 26050001

Start Date : 8/6/2008

Page No : 1

Groups Printed- Cars, Trucks & Buses

Start Time	New Construction Site Northbound					MacDuff Pkwy Southbound					SR 54 Eastbound					SR 54 Westbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:00 PM	1	0	1	0	2	30	0	21	0	51	17	227	0	0	244	0	367	47	0	414	711
04:15 PM	0	0	1	0	1	35	0	15	0	50	22	238	0	0	260	0	374	52	0	426	737
04:30 PM	0	0	1	0	1	32	0	12	0	44	12	241	1	0	254	1	386	45	0	432	731
04:45 PM	0	0	2	0	2	38	0	14	0	52	18	257	0	0	275	0	374	52	0	426	755
Total	1	0	5	0	6	135	0	62	0	197	69	963	1	0	1033	1	1501	196	0	1698	2934
05:00 PM	0	0	0	0	0	36	0	16	0	52	21	264	0	0	285	0	430	59	0	489	826
05:15 PM	0	0	1	0	1	41	0	18	0	59	18	259	0	0	277	1	444	54	0	499	836
05:30 PM	1	0	0	0	1	38	0	21	0	59	17	253	0	0	270	0	427	62	0	489	819
05:45 PM	0	0	1	0	1	39	0	17	0	56	19	247	0	0	266	0	415	59	0	474	797
Total	1	0	2	0	3	154	0	72	0	226	75	1023	0	0	1098	1	1716	234	0	1951	3278
Grand Total	2	0	7	0	9	289	0	134	0	423	144	1986	1	0	2131	2	3217	430	0	3649	6212
Apprch %	22.2	0	77.8	0		68.3	0	31.7	0		6.8	93.2	0	0		0.1	88.2	11.8	0		
Total %	0	0	0.1	0	0.1	4.7	0	2.2	0	6.8	2.3	32	0	0	34.3	0	51.8	6.9	0	58.7	

# Reliable Traffic Data Services, LLC

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TMC Data

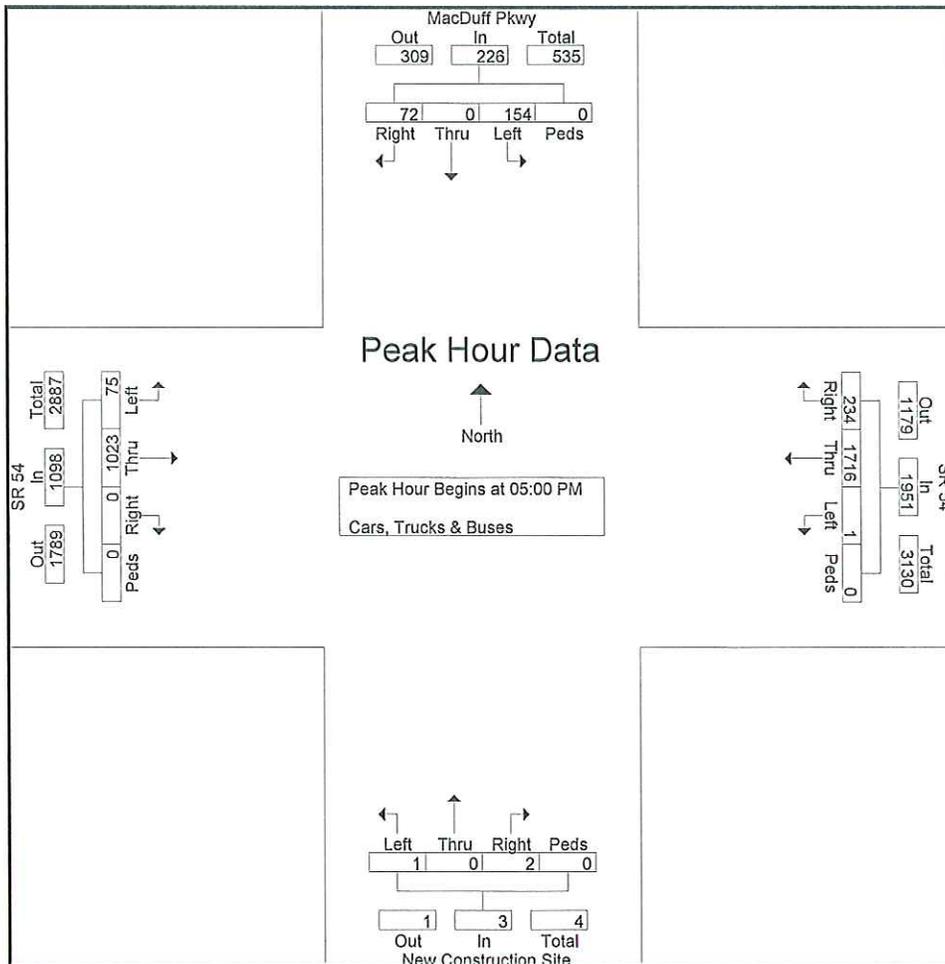
File Name : 26050001pm

Site Code : 26050001

Start Date : 8/6/2008

Page No : 2

Start Time	New Construction Site Northbound					MacDuff Pkwy Southbound					SR 54 Eastbound					SR 54 Westbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	0	0	0	0	0	36	0	16	0	52	21	264	0	0	285	0	430	59	0	489	826
05:15 PM	0	0	1	0	1	41	0	18	0	59	18	259	0	0	277	1	444	54	0	499	836
05:30 PM	1	0	0	0	1	38	0	21	0	59	17	253	0	0	270	0	427	62	0	489	819
05:45 PM	0	0	1	0	1	39	0	17	0	56	19	247	0	0	266	0	415	59	0	474	797
Total Volume	1	0	2	0	3	154	0	72	0	226	75	1023	0	0	1098	1	1716	234	0	1951	3278
% App. Total	33.3	0	66.7	0		68.1	0	31.9	0		6.8	93.2	0	0		0.1	88	12	0		
PHF	.250	.000	.500	.000	.750	.939	.000	.857	.000	.958	.893	.969	.000	.000	.963	.250	.966	.944	.000	.977	.980



### Reliable Traffic Data Services, LLC

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TMC Data

File Name : 26050002pm

Site Code : 26050002

Start Date : 8/6/2008

Page No : 1

#### Groups Printed- Cars, Trucks & Buses

Start Time	Planterra Way Northbound					Wal Mart Drwy Southbound					SR 54 Eastbound					SR 54 Westbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:00 PM	11	5	7	0	23	80	3	11	0	94	50	187	1	0	238	25	358	75	0	458	813
04:15 PM	15	5	6	0	26	65	4	15	0	84	54	254	2	0	310	18	364	84	0	466	886
04:30 PM	13	5	6	0	24	76	4	11	0	91	22	182	5	0	209	21	403	98	0	522	846
04:45 PM	17	5	5	0	27	66	11	24	0	101	32	247	8	0	287	25	437	95	0	557	972
Total	56	20	24	0	100	287	22	61	0	370	158	870	16	0	1044	89	1562	352	0	2003	3517
05:00 PM	23	6	6	0	35	76	13	20	0	109	40	240	3	0	283	18	420	68	0	506	933
05:15 PM	29	4	5	0	38	75	7	24	0	106	39	237	4	0	280	23	439	63	0	525	949
05:30 PM	26	8	9	0	43	63	9	11	0	83	46	230	2	0	278	21	447	79	0	547	951
05:45 PM	15	8	9	0	32	66	7	20	0	93	35	271	3	0	309	22	466	76	0	564	998
Total	93	26	29	0	148	280	36	75	0	391	160	978	12	0	1150	84	1772	286	0	2142	3831
Grand Total	149	46	53	0	248	567	58	136	0	761	318	1848	28	0	2194	173	3334	638	0	4145	7348
Apprch %	60.1	18.5	21.4	0		74.5	7.6	17.9	0		14.5	84.2	1.3	0		4.2	80.4	15.4	0		
Total %	2	0.6	0.7	0	3.4	7.7	0.8	1.9	0	10.4	4.3	25.1	0.4	0	29.9	2.4	45.4	8.7	0	56.4	

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TMC Data

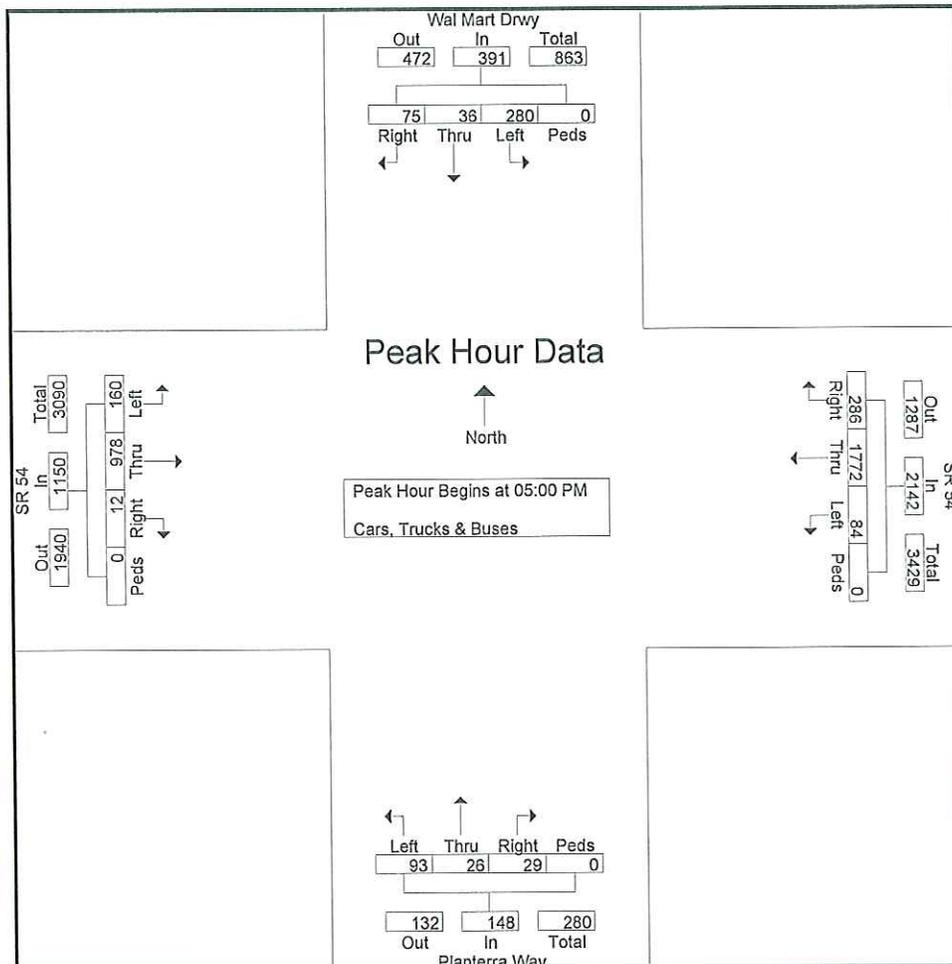
File Name : 26050002pm

Site Code : 26050002

Start Date : 8/6/2008

Page No : 2

Start Time	Planterra Way Northbound					Wal Mart Drwy Southbound					SR 54 Eastbound					SR 54 Westbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	23	6	6	0	35	76	13	20	0	109	40	240	3	0	283	18	420	68	0	506	933
05:15 PM	29	4	5	0	38	75	7	24	0	106	39	237	4	0	280	23	439	63	0	525	949
05:30 PM	26	8	9	0	43	63	9	11	0	83	46	230	2	0	278	21	447	79	0	547	951
05:45 PM	15	8	9	0	32	66	7	20	0	93	35	271	3	0	309	22	466	76	0	564	998
Total Volume	93	26	29	0	148	280	36	75	0	391	160	978	12	0	1150	84	1772	286	0	2142	3831
% App. Total	62.8	17.6	19.6	0		71.6	9.2	19.2	0		13.9	85	1	0		3.9	82.7	13.4	0		
PHF	.802	.813	.806	.000	.860	.921	.692	.781	.000	.897	.870	.902	.750	.000	.930	.913	.951	.905	.000	.949	.960



## Appendix C. GDOT Accident Summary

FAYETTE COUNTY, SR 54 @ McDuff Parkway (CS 095607)

Accident No	Date	Time	County	Route Type	Route	Milelog	Intersecting Rt Type	Intersecting Rt	Injuries	Fatalities	Harmful Event	Collision	Location of Impact	Light	Surface	DirVeh1	DirVeh2	MnvrVeh1	MnvrVeh2
'44810326	11/20/2004	8:30 AM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Sideswipe - Same Direction	On Roadway	Daylight	Wet	W	W	Changing Lanes	Turning Left
'44810367	11/9/2004	5:32 PM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Dusk	Dry	E	E	Straight	Straight
'45160393	12/30/2004	3:40 PM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'42420612	6/26/2004	2:16 PM	Fayette	State Route	'005400	0.33	3	'095607	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'40940011	3/4/2004	3:40 PM	Fayette	State Route	'005400	0.33	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'40600013	2/2/2004	7:55 AM	Fayette	State Route	'005400	0.33	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Wet	W	W	Straight	Straight
'40600035	2/15/2004	2:56 PM	Fayette	State Route	'005400	0.33	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Wet	E	E	Straight	Stopped
'40940019	3/7/2004	4:28 PM	Fayette	State Route	'005400	0.33	3	'095607	1	0	Motor Vehicle in Motion	Angle	Off Roadway	Daylight	Dry	E	E	Straight	Straight
'42860309	7/24/2004	7:04 PM	Fayette	State Route	'005400	0.33	3	'095607	2	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	W	W	Making U-Turn	Straight
'42860300	7/19/2004	5:08 AM	Fayette	State Route	'005400	0.33	3	'095607	2	0	Motor Vehicle in Motion	Rear End	On Roadway	Dawn	Dry	W	W	Straight	Stopped
'41340216	4/9/2004	9:19 PM	Fayette	State Route	'005400	0.33	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Dark-Lighted	Wet	W	S	Straight	Stopped
'43240338	7/27/2004	12:41 PM	Fayette	State Route	'005400	0.33	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'43610097	9/24/2004	11:58 AM	Fayette	State Route	'005400	0.33	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'43610087	9/19/2004	3:35 PM	Fayette	State Route	'005400	0.33	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'43610064	9/1/2004	5:30 PM	Fayette	State Route	'005400	0.33	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'42420604	6/23/2004	11:09 AM	Fayette	State Route	'005400	0.33	3	'095607	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'42860312	7/29/2004	12:49 PM	Fayette	State Route	'005400	0.33	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Stopped
'42860271	7/6/2004	8:23 AM	Fayette	State Route	'005400	0.33	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'40940050	3/23/2004	2:30 PM	Fayette	State Route	'005400	0.33	3	'095607	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Stopped
'51900495	4/13/2005	9:10 AM	Fayette	State Route	'005400	0.32	3	'095607	3	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'52950708	6/28/2005	12:40 PM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Stopped
'51290418	3/20/2005	2:17 PM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'53760125	8/16/2005	1:54 PM	Fayette	State Route	'005400	0.32	3	'095607	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'53740640	7/31/2005	11:29 AM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'54700377	10/20/2005	9:44 PM	Fayette	State Route	'005400	0.32	3	'095607	3	0	Motor Vehicle in Motion	Rear End	On Roadway	Dark-Lighted	Dry	E	E	Straight	Stopped
'54700379	10/23/2005	7:22 PM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Parked Motor Vehicle	Rear End	On Roadway	Dark-Lighted	Dry	W	W	Stopped	Stopped
'54700366	10/14/2005	3:25 PM	Fayette	State Route	'005400	0.32	3	'095607	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'53740554	7/16/2005	1:32 PM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Stopped	Stopped
'51290381	3/7/2005	1:15 PM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'61540534	3/27/2006	10:14 AM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'61080723	2/22/2006	10:46 AM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Wet	W	S	Straight	Turning Left
'61540500	3/15/2006	7:25 AM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'63180280	7/19/2006	9:20 AM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'61540546	3/30/2006	7:59 AM	Fayette	State Route	'005400	0.32	3	'095607	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Turning Left	Stopped
'61540515	3/17/2006	3:35 PM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Parked Motor Vehicle	Rear End	On Roadway	Daylight	Dry	W	W	Changing Lanes	Stopped
'72780392	5/5/2007	7:17 PM	Fayette	State Route	'005400	0.32	3	'095607	2	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'71530590	3/9/2007	6:02 AM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Deer	Not A Collision With A Motor Vehicle	On Roadway	Dark-Lighted	Dry	E		Straight	
'72140408	4/9/2007	8:16 AM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'73990051	7/24/2007	9:50 PM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Stopped
'74280264	9/4/2007	5:37 PM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	N	S	Turning Left	Stopped
'74280308	9/21/2007	8:10 AM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'73990089	8/15/2007	5:39 PM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Stopped
'72780343	5/10/2007	9:11 AM	Fayette	State Route	'005400	0.32	3	'095607	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Straight

FAYETTE COUNTY, SR 54 @ Line Creek Drive (CS 044507)

Accident No	Date	Time	County	Route Type	Route	Milelog	Intersecting Rt Type	Intersecting Rt	Injuries	Fatalities	Harmful Event	Collision	Location of Impact	Light	Surface	DirVeh1	DirVeh2	MnvrVeh1	MnvrVeh2
'41340262	4/27/2004	5:38 PM	Fayette	State Route	'005400	0.46	3	'044507	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Stopped
'40940018	3/5/2004	6:18 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	E	W	Turning Left	Straight
'40240372	1/5/2004	11:24 AM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Wet	W	W	Straight	Stopped
'40240414	1/19/2004	4:10 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'45070134	12/15/2004	11:35 AM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	S	W	Turning Left	Straight
'44810323	11/18/2004	12:24 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'44810311	11/16/2004	5:32 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	N	W	Turning Left	Straight
'44140331	10/20/2004	4:09 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	E	W	Turning Left	Straight
'42420563	6/7/2004	6:50 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Wet	W	W	Turning Left	Straight
'41760334	3/20/2004	6:18 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Other Object (Not Fixed)	Angle	On Roadway	Daylight	Dry	E	S	Stopped	Turning Left
'42080213	5/8/2004	12:07 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'42080209	5/4/2004	8:29 AM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'42080268	5/26/2004	6:00 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'42080262	5/25/2004	6:30 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'42420580	6/11/2004	5:23 PM	Fayette	State Route	'005400	0.46	3	'044507	1	0	Motor Vehicle in Motion	Angle	On Roadway	Dawn	Dry	W	W	Straight	Stopped
'42420576	6/10/2004	5:45 PM	Fayette	State Route	'005400	0.46	3	'044507	1	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	E	W	Turning Left	Straight
'42420571	6/9/2004	12:10 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Wet	E	E	Straight	Turning Left
'41340227	4/15/2004	7:50 AM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'43610066	9/7/2004	4:18 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Wet	W	W	Changing Lanes	Straight
'41340265	4/28/2004	4:15 PM	Fayette	State Route	'005400	0.46	3	'044507	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Stopped
'40240398	1/14/2004	3:17 PM	Fayette	State Route	'005400	0.46	3	'044507	1	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	S	W	Turning Left	Straight
'40940048	3/20/2004	6:18 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Other Object (Not Fixed)	Angle	On Roadway	Daylight	Dry	E	S	Stopped	Turning Left
'50590563	1/5/2005	1:00 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'51730239	4/30/2005	2:32 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Wet	E	E	Straight	Straight
'54700464	11/29/2005	11:35 AM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	N	N	Turning Left	Turning Left
'55210346	12/12/2005	6:35 PM	Fayette	State Route	'005400	0.46	3	'044507	1	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	N	W	Turning Left	Straight
'55220051	10/11/2005	3:57 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	S	N	Backing	Stopped
'55210412	12/28/2005	1:29 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Wet	N	S	Backing	Stopped
'54250155	9/8/2005	12:57 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'53760129	8/19/2005	9:10 AM	Fayette	State Route	'005400	0.46	3	'044507	2	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	E	W	Turning Left	Straight
'53760122	8/12/2005	10:33 AM	Fayette	State Route	'005400	0.46	3	'044507	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'50960280	2/22/2005	7:01 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'50960231	2/16/2005	12:06 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'51290391	3/10/2005	5:54 PM	Fayette	State Route	'005400	0.46	3	'044507	2	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Straight
'60640579	1/2/2006	2:10 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Wet	W	W	Straight	Stopped
'61540511	3/18/2006	1:14 PM	Fayette	State Route	'005400	0.46	3	'044507	1	0	Parked Motor Vehicle	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'61540510	3/18/2006	11:59 AM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	S	W	Turning Left	Straight
'65460776	12/9/2006	6:13 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Dark-Lighted	Dry	E	E	Straight	Straight
'63690108	8/7/2006	9:12 AM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Sideswipe - Same Direction	On Roadway	Daylight	Dry	W	W	Straight	Stopped
'63180249	7/6/2006	7:00 PM	Fayette	State Route	'005400	0.46	3	'044507	2	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'62130559	4/28/2006	5:35 AM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Angle	On Roadway	Dark-Lighted	Dry	E	E	Making U-Turn	Straight
'61990163	4/20/2006	6:50 AM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped
'60640640	1/26/2006	7:06 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Dark-Lighted	Dry	W	W	Straight	Stopped
'61540477	3/5/2006	1:41 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	S	E	Straight	Straight
'71530588	3/7/2007	1:53 PM	Fayette	State Route	'005400	0.46	3	'044507	2	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	N	W	Straight	Straight
'71530621	3/4/2007	7:56 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Angle	On Roadway	Dark-Not Lighted	Dry	S	E	Turning Left	Straight
'75620309	11/21/2007	8:00 AM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight
'75080415	10/19/2007	5:20 PM	Fayette	State Route	'005400	0.46	3	'044507	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Straight
'75080392	10/11/2007	3:50 PM	Fayette	State Route	'005400	0.46	3	'044507	3	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Straight

FAYETTE COUNTY, SR 54 @ Planterra Way (CS 049007)																						
Accident No	Date	Time	County	Route Type	Route	Milelog	Intersecting Rt Type	Intersecting Rt	Injuries	Fatalities	Harmful Event	Collision	Location of Impact	Light	Surface	DirVeh1	DirVeh2	MnvrVeh1	MnvrVeh2			
41340206	4/5/2004	4:41 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	E	E	Passing	Changing Lanes			
41340337	4/18/2004	2:37 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
41340213	4/8/2004	12:11 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
41340260	4/27/2004	3:30 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
42080248	5/19/2004	4:23 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
42080240	5/17/2004	11:37 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Sideswipe - Same Direction	On Roadway	Dark-Lighted	Dry	W	W	Changing Lanes	Straight			
42080227	5/13/2004	8:45 PM	Fayette	State Route	005400	0.62	3	049007	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
42080225	5/13/2004	4:19 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Stopped			
42080217	5/11/2004	4:58 PM	Fayette	State Route	005400	0.62	3	049007	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
40940055	3/24/2004	7:20 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
40940020	3/7/2004	7:51 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Angle	On Roadway	Dark-Lighted	Dry	E	W	Turning Left	Straight			
40240451	1/31/2004	12:20 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
40240409	1/17/2004	11:20 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
40240404	1/15/2004	9:15 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Head On	On Roadway	Daylight	Dry	E	W	Turning Left	Straight			
40240391	1/12/2004	12:16 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	W	W	Turning Left	Straight			
40240389	1/11/2004	2:19 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
40240388	1/11/2004	6:32 AM	Fayette	State Route	005400	0.62	3	049007	1	0	Motor Vehicle in Motion	Angle	On Roadway	Dark-Lighted	Dry	E	S	Straight	Turning Left			
40600045	2/20/2004	7:53 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Dark-Lighted	Dry	S	S	Straight	Stopped			
44140318	10/11/2004	4:27 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Stopped			
44140315	10/10/2004	3:29 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Turning Right	Turning Right			
44140307	10/2/2004	9:12 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
44140304	10/1/2004	9:11 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	W	S	Straight	Turning Left			
44140303	10/2/2004	3:01 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Turning Right	Stopped			
44140299	10/5/2004	5:17 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	E	W	Turning Left	Straight			
44140297	10/6/2004	6:31 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Stopped			
44140282	10/16/2004	6:35 PM	Fayette	State Route	005400	0.62	3	049007	3	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
43200563	8/24/2004	1:41 PM	Fayette	State Route	005400	0.62	3	049007	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Turning Right	Stopped			
45070139	12/15/2004	2:28 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	E	E	Changing Lanes	Turning Left			
45070138	12/4/2004	3:12 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
44810383	12/17/2004	9:34 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
44810356	11/5/2004	7:10 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	S	S	Straight	Stopped			
44140336	10/26/2004	9:52 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Backing	Straight			
43200562	8/23/2004	9:50 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Turning Right	Stopped			
43200548	8/17/2004	3:01 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
43200547	8/16/2004	1:20 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
43200524	8/8/2004	5:33 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
43240342	7/29/2004	7:32 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	S	S	Straight	Straight			
43610099	9/25/2004	4:55 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
43610071	9/9/2004	5:23 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Straight			
43080210	5/4/2004	9:54 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
43200575	8/30/2004	4:53 PM	Fayette	State Route	005400	0.62	3	049007	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
42080207	5/3/2004	5:24 PM	Fayette	State Route	005400	0.62	3	049007	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
42080278	5/29/2004	10:50 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
42080264	5/26/2004	8:51 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
42080263	5/26/2004	8:03 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Shoulder	Daylight	Dry	E	E	Straight	Stopped			
42420603	6/22/2004	11:51 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Angle	On Shoulder	Dawn	Dry	E	E	Straight	Stopped			
42860305	7/22/2004	8:51 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
50960023	2/5/2004	8:44 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Dark-Lighted	Dry	S	S	Backing	Stopped			
50960262	2/14/2005	6:32 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Angle	On Roadway	Dusk	Dry	W	E	Straight	Straight			
50590602	1/31/2005	1:45 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Head On	On Roadway	Daylight	Dry	E	S	Changing Lanes	Turning Left			
51730201	4/1/2005	7:00 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
51730236	4/30/2005	12:41 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Wet	E	E	Straight	Straight			
55220056	10/5/2005	9:44 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Dark-Lighted	Wet	W	W	Straight	Straight			
54700355	10/4/2005	2:08 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
54700405	11/3/2005	6:39 PM	Fayette	State Route	005400	0.62	3	049007	1	0	Motor Vehicle in Motion	Angle	On Roadway	Dark-Not Lighted	Dry	N	S	Turning Left	Straight			
54700405	11/4/2005	2:57 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	W	W	Straight	Straight			
54700404	11/8/2005	8:12 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Dark-Lighted	Dry	W	W	Turning Right	Turning Right			
54250212	9/30/2005	6:19 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
54250175	9/15/2005	6:17 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
54250156	9/8/2005	10:36 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
54250153	9/7/2005	9:17 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	E	E	Passing	Straight			
53740542	7/10/2005	12:23 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Wet	W	W	Straight	Straight			
53760139	8/23/2005	3:15 PM	Fayette	State Route	005400	0.62	3	049007	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
53760134	8/19/2005	5:03 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Sideswipe - Same Direction	On Roadway	Daylight	Dry	N	N	Changing Lanes	Straight			
53770135	7/27/2005	9:38 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Other Fixed Object	Not A Collision With A Motor Vehicle	On Roadway	Daylight	Dry	E	N	Turning Left	Straight			
52950703	6/23/2005	5:13 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Straight			
52950698	6/22/2005	5:32 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Sideswipe - Opposite Direction	On Roadway	Daylight	Dry	S	S	Turning Left	Straight			
52950676	6/7/2005	11:24 AM	Fayette	State Route	005400	0.62	3	049007	3	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	E	N	Straight	Straight			
52950658	6/1/2005	3:16 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Wet	W	W	Straight	Stopped			
51290445	3/29/2005	10:44 AM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
51290438	3/27/2005	9:34 AM	Fayette	State Route	005400	0.62	3	049007	1	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
51290395	3/14/2005	4:26 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Angle	On Roadway	Daylight	Dry	N	W	Turning Left	Straight			
51730213	4/17/2005	4:48 PM	Fayette	State Route	005400	0.62	3	049007	0	0	Motor Vehicle in Motion	Rear End	On Roadway	Daylight	Dry	E	E	Straight	Stopped			
51900528	4/5/2005	1:54 PM	Fayette	State Route	005																	

## Appendix D. Signal Warrant Analysis

**Signal Warrants - Summary**

**Major Street Approaches**

**Eastbound:**

Number of Lanes: 2  
 Approach Speed: 45  
 Total Approach Volume: 16,382

**Westbound:**

Number of Lanes: 2  
 Approach Speed: 45  
 Total Approach Volume: 20,960

**Minor Street Approaches**

**Northbound:**

Number of Lanes: 2  
  
 Total Approach Volume: 2,708

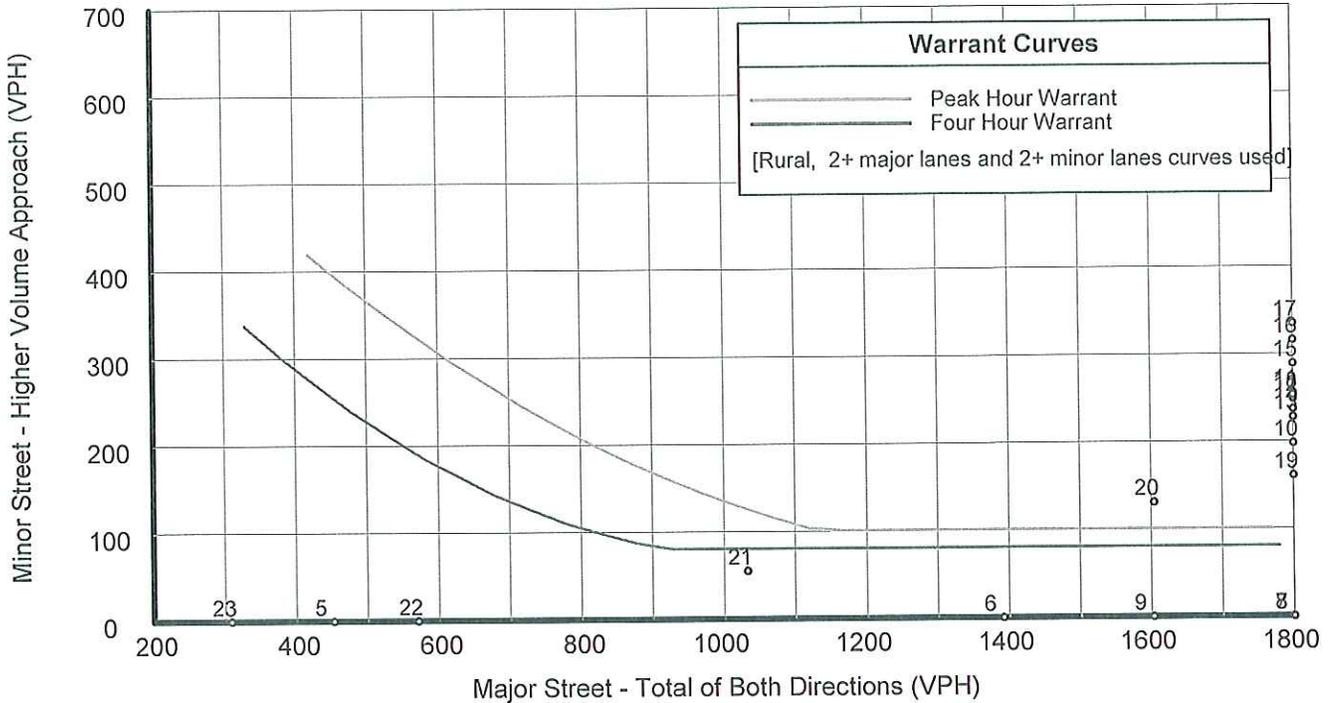
**Southbound:**

Number of Lanes: 2  
  
 Total Approach Volume: 0

**Warrant Summary (Rural values apply.)**

<b>Warrant 1 - Eight Hour Vehicular Volumes</b> .....	<b>Satisfied</b>
Warrant 1A - Minimum Vehicular Volume .....	Satisfied
Required volumes reached for 10 hours, 8 are needed	
Warrant 1B - Interruption of Continuous Traffic .....	Satisfied
Required volumes reached for 11 hours, 8 are needed	
Warrant 1 A&B - Combination of Warrants .....	Satisfied
Required volumes reached for 11 hours, 8 are needed	
<b>Warrant 2 - Four Hour Volumes</b> .....	<b>Satisfied</b>
Number of hours (11) volumes exceed minimum >= minimum required (4).	
<b>Warrant 3 - Peak Hour</b> .....	<b>Not Evaluated</b>
Warrant 3A - Peak Hour Volumes .....	Not Evaluated
Warrant 3B - Peak Hour Delay .....	Not Evaluated
<b>Warrant 4 - Pedestrian Volumes</b> .....	<b>Not Evaluated</b>
<b>Warrant 5 - School Crossing</b> .....	<b>Not Evaluated</b>
<b>Warrant 6 - Coordinated Signal System</b> .....	<b>Not Evaluated</b>
<b>Warrant 7 - Crash Experience</b> .....	<b>Not Satisfied</b>
Number of accidents (4) is less than minimum (5). Volume minimums are met.	
<b>Warrant 8 - Roadway Network</b> .....	<b>Not Evaluated</b>

**Signal Warrants - Summary**



**Analysis of 8-Hour Volume Warrants (Maj Crit = Major Criteria, Min Crit = Minor Criteria):**

Hour Begin	Major Total	Higher Minor		War-1A			War-1B			War-1A&B		
		Vol	Dir	Major Crit	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
00:00	140	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---
01:00	76	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---
02:00	64	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---
03:00	79	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---
04:00	145	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---
05:00	453	0	NB	420-Yes	140-No	Major	630-No	70-No	---	504-No	112-No	---
06:00	1,392	0	NB	420-Yes	140-No	Major	630-Yes	70-No	Major	504-Yes	112-No	Major
07:00	2,258	0	NB	420-Yes	140-No	Major	630-Yes	70-No	Major	504-Yes	112-No	Major
08:00	2,092	0	NB	420-Yes	140-No	Major	630-Yes	70-No	Major	504-Yes	112-No	Major
09:00	1,603	0	NB	420-Yes	140-No	Major	630-Yes	70-No	Major	504-Yes	112-No	Major
10:00	1,957	198	NB	420-Yes	140-Yes	Both	630-Yes	70-Yes	Both	504-Yes	112-Yes	Both
11:00	2,269	256	NB	420-Yes	140-Yes	Both	630-Yes	70-Yes	Both	504-Yes	112-Yes	Both
12:00	2,430	249	NB	420-Yes	140-Yes	Both	630-Yes	70-Yes	Both	504-Yes	112-Yes	Both
13:00	2,312	228	NB	420-Yes	140-Yes	Both	630-Yes	70-Yes	Both	504-Yes	112-Yes	Both
14:00	2,504	237	NB	420-Yes	140-Yes	Both	630-Yes	70-Yes	Both	504-Yes	112-Yes	Both
15:00	2,873	289	NB	420-Yes	140-Yes	Both	630-Yes	70-Yes	Both	504-Yes	112-Yes	Both
16:00	3,086	316	NB	420-Yes	140-Yes	Both	630-Yes	70-Yes	Both	504-Yes	112-Yes	Both
17:00	3,520	335	NB	420-Yes	140-Yes	Both	630-Yes	70-Yes	Both	504-Yes	112-Yes	Both
18:00	2,707	253	NB	420-Yes	140-Yes	Both	630-Yes	70-Yes	Both	504-Yes	112-Yes	Both
19:00	1,865	161	NB	420-Yes	140-Yes	Both	630-Yes	70-Yes	Both	504-Yes	112-Yes	Both
20:00	1,604	131	NB	420-Yes	140-No	Major	630-Yes	70-Yes	Both	504-Yes	112-Yes	Both
21:00	1,033	55	NB	420-Yes	140-No	Major	630-Yes	70-No	Major	504-Yes	112-No	Major
22:00	571	0	NB	420-Yes	140-No	Major	630-No	70-No	---	504-Yes	112-No	Major
23:00	309	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---

### Hourly Variation in Trips

Total Trips for the Driveway One (8,007 trips/day)						
	% of 24-Hr Entering Traffic*	% of 24-Hr Exiting Traffic*	Enter from EB (right)	Enter from WB (left)	Exit to WB (left)	Exit to EB (right)
			Total	Total	Total	Total
mid-1 am						
1-2 am						
2-3 am						
3-4 am						
4-5 am						
5-6 am						
6-7 am						
7-8 am						
8-9 am						
9-10 am						
10-11 am	7.6	6.5	231	377	198	323
11-12 noon	7.6	8.4	231	377	256	417
12-1 pm	7.6	8.2	231	377	249	407
1-2 pm	6.9	7.5	210	343	228	372
2-3 pm	9	7.8	274	447	237	387
3-4 pm	9.6	9.5	292	477	289	472
4-5 pm	9.7	10.4	295	482	316	516
5-6 pm	10.3	11	313	511	335	546
6-7 pm	7.4	8.3	225	367	253	412
7-8 pm	5.4	5.3	164	268	161	263
8-9 pm	4.2	4.3	128	209	131	213
9-10 pm	1.9	1.8	58	94	55	89
10-11 pm						
11-mid						

\* Percentages based Trip Generation's Hourly Variation in Shopping Center Traffic

**24-Hour Traffic Data  
SR 54 and Line Creek Drive**

	Existing (Aug 2008)			Seasonal & Daily Adjustment Factors (2008)			% Directional Distribution			Background 2008 (3.00% growth/year)		
	EB	WB	Both Dir.	EB	WB	Both Dir.	EB	WB	Both Dir.	EB	WB	Both Dir.
mid-1 am	35	101	136	35	101	136	26%	74%	36	104	140	
1-2 am	23	50	73	23	50	73	32%	68%	24	52	75	
2-3 am	20	42	62	20	42	62	32%	68%	21	43	64	
3-4 am	55	21	76	55	21	76	72%	28%	57	22	78	
4-5 am	102	39	141	102	39	141	72%	28%	105	40	145	
5-6 am	333	107	440	333	107	440	76%	24%	343	110	453	
6-7 am	1058	293	1351	1058	293	1351	78%	22%	1090	302	1392	
7-8 am	1682	511	2193	1682	511	2193	77%	23%	1732	526	2259	
8-9 am	1409	622	2031	1409	622	2031	69%	31%	1451	641	2092	
9-10 am	915	642	1557	915	642	1557	59%	41%	942	661	1604	
10-11 am	842	692	1534	842	692	1534	55%	45%	867	713	1580	
11-12 noon	848	989	1837	848	989	1837	46%	54%	873	1019	1892	
12-1 pm	896	1097	1993	896	1097	1993	45%	55%	923	1130	2053	
1-2 pm	872	1040	1912	872	1040	1912	46%	54%	898	1071	1969	
2-3 pm	874	1123	1997	874	1123	1997	44%	56%	900	1157	2057	
3-4 pm	1003	1323	2326	1003	1323	2326	43%	57%	1033	1363	2396	
4-5 pm	1072	1456	2528	1072	1456	2528	42%	58%	1104	1500	2604	
5-6 pm	1125	1796	2921	1125	1796	2921	39%	61%	1159	1850	3009	
6-7 pm	966	1306	2272	966	1306	2272	43%	57%	995	1345	2340	
7-8 pm	611	940	1551	611	940	1551	39%	61%	629	968	1598	
8-9 pm	434	920	1354	434	920	1354	32%	68%	447	948	1395	
9-10 pm	348	564	912	348	564	912	38%	62%	358	581	939	
10-11 pm	251	303	554	251	303	554	45%	55%	259	312	571	
11-mid	132	168	300	132	168	300	44%	56%	136	173	309	
	15906	16145	32051	15906	16145	32051	50%	50%	16383	16629	33013	

Adjustment Factors:  
Seasonal 1.00  
Daily 1.00

43% 57%

**2008 Total Hourly Traffic Volumes for Signal Warrants Analysis  
SR 54 & Line Creek Drive**

	SR 54					
	EB			WB		
	Thru	Right	Thru	Left	Right	Thru
mid-1 am	36		104			
1-2 am	24		52			
2-3 am	21		43			
3-4 am	57		22			
4-5 am	105		40			
5-6 am	343		110			
6-7 am	1090		302			
7-8 am	1732		526			
8-9 am	1451		641			
9-10 am	942		661			
10-11 am	867	231	713	377		
11-12 noon	873	231	1019	377		
12-1 pm	923	231	1130	377		
1-2 pm	898	210	1071	343		
2-3 pm	900	274	1157	447		
3-4 pm	1033	292	1363	477		
4-5 pm	1104	295	1500	482		
5-6 pm	1159	313	1850	511		
6-7 pm	995	225	1345	367		
7-8 pm	629	164	968	268		
8-9 pm	447	128	948	209		
9-10 pm	358	58	581	94		
10-11 pm	259		312			
11-mid	136		173			
	16383	2653	16629	4329		

	Line Creek Drive		
	NB		
	Left	Right	
mid-1 am			
1-2 am			
2-3 am			
3-4 am			
4-5 am			
5-6 am			
6-7 am			
7-8 am			
8-9 am			
9-10 am			
10-11 am	198	323	
11-12 noon	256	417	
12-1 pm	249	407	
1-2 pm	228	372	
2-3 pm	237	387	
3-4 pm	289	472	
4-5 pm	316	516	
5-6 pm	335	546	
6-7 pm	253	412	
7-8 pm	161	263	
8-9 pm	131	213	
9-10 pm	55	89	
10-11 pm			
11-mid			
	2708	4418	

Appendix E. Sketch of the proposed intersection

