

**ORDINANCE NO. 1928**

**AN ORDINANCE TO PROVIDE FOR STOP SIGNS AT VARIOUS INTERSECTIONS ALONG HASTINGS ROAD, LAUREL LANE, AND OVERHILL ROAD AND TO PROVIDE FOR PUNISHMENT FOR VIOLATIONS THEREOF**

**BE IT ORDAINED** by the City Council of the City of Mountain Brook, Alabama, as follows:

Section 1. It shall be unlawful for the driver of any vehicle to cause or allow such vehicle traveling in a southeasterly Overhill Road to pass its intersection with Balmoral Road/Overhill Road when there is standing at said intersection a "Stop" sign facing in the direction of such driver without having first brought such vehicle to a complete stop within ten (10) feet of said intersection (Figure 13 [1] - "Intersection C").

Section 2. It shall be unlawful for the driver of any vehicle to cause or allow such vehicle traveling in a northeasterly direction on Laurel Lane to pass its intersection with Overhill Road when there is standing at said intersection a "Stop" sign facing in the direction of such driver without having first brought such vehicle to a complete stop within ten (10) feet of said intersection (Figure 13 [2] - "Intersection D").

Section 3. It shall be unlawful for the driver of any vehicle to cause or allow such vehicle traveling in a northwesterly on Overhill Road/Hastings Road to pass its intersection with Overhill Road when there is standing at said intersection a "Stop" sign facing in the direction of such driver without having first brought such vehicle to a complete stop within ten (10) feet of said intersection (Figure 14 [1] - "Intersection E").

Section 4. It shall be unlawful for the driver of any vehicle to cause or allow such vehicle traveling in a northerly direction on Overhill Road to pass its intersection with Overhill Road when there is standing at said intersection a "Stop" sign facing in the direction of such driver without having first brought such vehicle to a complete stop within ten (10) feet of said intersection (Figure 14 [2] - "Intersection E").

Section 5. It shall be unlawful for the driver of any vehicle to cause or allow such vehicle traveling in a easterly direction on Overhill Road/Hastings Road to pass its intersection with Hastings Road when there is standing at said intersection a "Stop" sign facing in the direction of such driver without having first brought such vehicle to a complete stop within ten (10) feet of said intersection (Figure 15 - "Intersection G").

Section 6. Any person violating the provisions of this ordinance shall be punished by a fine not to exceed \$500.00, or by imprisonment not to exceed 180 days, or both.

Section 7. All ordinances or portions of ordinances conflicting with this ordinance are hereby repealed.

Section 8. This ordinance shall become effective when published as required by law.

**ADOPTED:** This 9th day of February, 2015.

  
\_\_\_\_\_  
Council President

1928

**APPROVED:** This 9th day of February, 2015.



\_\_\_\_\_  
Mayor

**CERTIFICATION**

I, Steven Boone, City Clerk of the City of Mountain Brook, Alabama, hereby certify the above to be a true and correct copy of an ordinance adopted by the City Council of the City of Mountain Brook, Alabama, as its meeting held on February 9, 2015, as same appears in the minutes of record of said meeting, and published by posting copies thereof on February 10, 2015, at the following public places, which copies remained posted for five (5) days as required by law.

City Hall, 56 Church Street  
Gilchrist Pharmacy, 2850 Cahaba Road  
Overton Park, 3020 Overton Road  
The Invitation Place, 3150 Overton Road



\_\_\_\_\_  
City Clerk

**Recommendations to Correct Sight Distance Deficiencies**

In order to mitigate sight distance deficiencies identified in Figures 6 through 12, revisions are needed to two existing traffic control devices (change YIELD signs to STOP signs) and two new traffic control devices would be required (two STOP signs). Also, a STOP sign needed to be added to Laurel Lane to reinforce what is already required by State Law. The proposed recommendations are shown in Figures 13 through 15.



*Figure 13. Recommendations – Intersections C and D*



*Figure 14. Recommendations – Intersection E*

Overhill Road/Balmoral Road/Hastings Road/Laurel Lane



Figure 15. Recommendations – Intersection G

An overall view of the signing which would be in place for the intersections should all the recommendations be implemented is shown in Figure 16.



**CITY OF MOUNTAIN BROOK**

56 Church Street  
P.O. Box 130009  
Mountain Brook, Alabama 35213  
Telephone: 205.802.3803  
Fax: 205.870.3577  
gastons@mtnbrook.org

SAM S. GASTON  
CITY MANAGER

January 28, 2015

Dear Resident:

The Mountain Brook City Council, at its February 9, 2015 meeting, will hold a public hearing to consider traffic changes to the Overhill Road/Laurel Lane/Hastings Road area. (See attached map.) The City Council meeting will begin at 7:00 p.m.

The proposed traffic changes, recommended by Skipper Consultants and requested by some residents in this area, consists of adding three (3) new stop signs and replacing two (2) yield signs with stop signs.

You are invited to attend the City Council meeting on Monday, February 9<sup>th</sup> at 7:00 p.m. to voice your comments on these proposed traffic changes. If you cannot attend, but would like to make comments, please contact me at 802-3800 or [gastons@mtnbrook.org](mailto:gastons@mtnbrook.org). Questions about the traffic study and the recommendations can also be addressed to Richard Caudle at Skipper Consultants. His contact information is 655-8855 or [Richard@skipperinc.com](mailto:Richard@skipperinc.com).

Sincerely,

Sam S. Gaston  
City Manager

1928





**Overhill Road at Balmoral Road,  
Hastings Road, and Laurel Lane  
Mountain Brook, Alabama**

**Traffic Study**

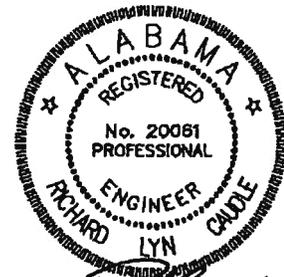
Prepared for:

**The City of Mountain Brook**  
P.O. Box 130009  
Mountain Brook, Alabama 35213  
Phone (205) 802-2400 Fax (205) 879-6913

Prepared by:

**Skipper Consulting, Inc.**  
3644 Vann Road, Suite 100  
Birmingham, Alabama 35235  
Phone (205) 655-8855 Fax (205) 655-8825

**January, 2015**



SIGNED: *Richard Lyn Canale*  
DATE: 1/21/15

## Overhill Road/Balmoral Road/Hastings Road/Laurel Lane

### Introduction

This report documents a study performed for the complex intersection of Overhill Road/Balmoral Road/Hastings Road/Laurel Lane in the City of Mountain Brook. The complexity of the intersection is due to the geometry of the intersecting roads: two triangles with an intersection intermediate between the two triangles. In order to effectively describe the intersections considered in this study, the intersections were assigned letters A-G, as shown in Figure 1.



*Figure 1. Study Intersection Key Map*

This study was commissioned by the City of Mountain Brook to respond to concerns raised by residents regarding lack of sight distance to exit Laurel Lane onto Overhill Road (Intersection D). In performing a preliminary field review of the concern, it was apparent that this concern was due to not only specific circumstances related to the intersection of Overhill Road at Laurel Lane (Intersection D), but to the extended geometry, traffic control devices, and sight distance issues at other intersections in the two triangles. Therefore, a scope of work was proposed to provide a more comprehensive study of traffic conditions at all intersection within the two triangles.

Overhill Road/Balmoral Road/Hastings Road/Laurel Lane

**Existing Traffic Counts**

Machine traffic counts on roadways surrounding the intersections were performed for twenty-four continuous hours on Thursday to Friday, December 4 to 5, 2014, by Traffic Data, LLC on behalf of Skipper Consulting, Inc. The traffic count data is included in Appendix A of this report. The 24 hour, a.m. peak hour, and p.m. peak hour traffic counts are shown in Figures 2 and 3.



Figure 2. Existing Traffic Counts (Intersections A-D)

Overhill Road/Balmoral Road/Hastings Road/Laurel Lane



Figure 3. Existing Traffic Counts (Intersections E-G)

Overhill Road/Balmoral Road/Hastings Road/Laurel Lane

Existing Traffic Control

The traffic control devices used on each approach to the intersection vary by location. An inventory of existing traffic control devices is shown in Figure 4.

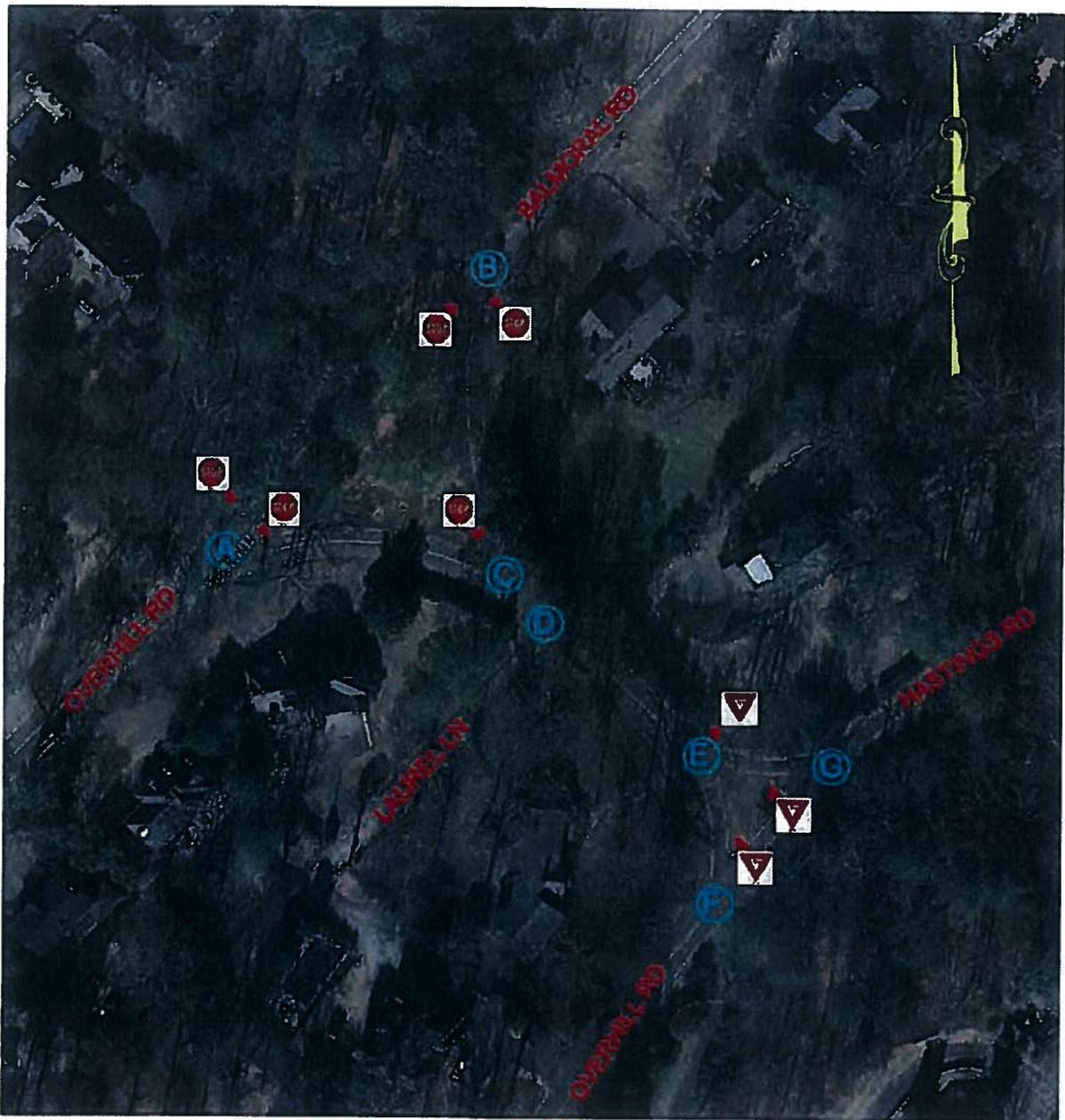
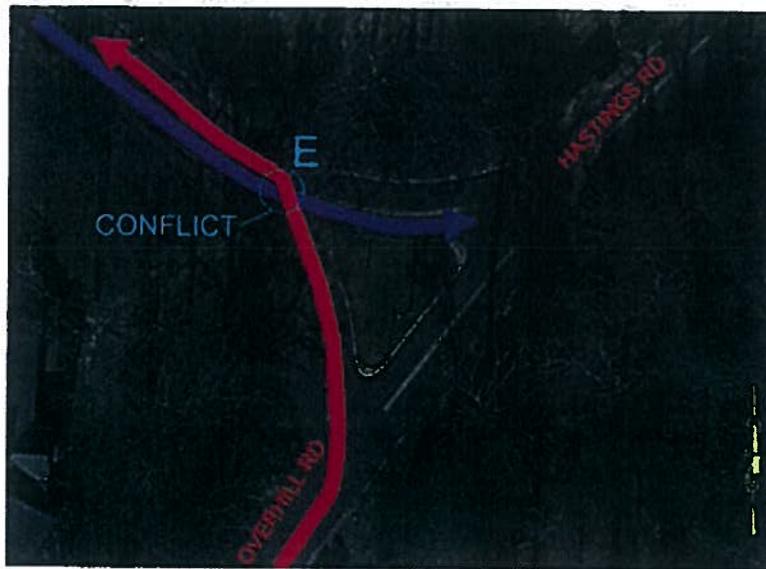


Figure 4. Existing Traffic Control Devices

**Apparent Traffic Control Conflicts**

In reviewing the existing traffic control, it appears that there may be a perceived conflict in rights-of-way between two movements at Intersection E. A perceived conflict occur where two (or more) vehicles might appear to both have right-of-way due to intersection geometry and lack of traffic control. This perceived conflict in who has right-of-way is illustrated in Figure 5. The recommendations included in a later section of this report include proposed measures to eliminate this perceived conflict.



*Figure 5. Perceived Right-of-Way Conflict*

**Existing Intersection Sight Distance**

Sight distance measurements were made for all movements at each of the seven intersections for all movements where sight distance of approaching vehicles is required in order to make the desired movement. The minimum required sight distance according to the AASHTO *Policy on the Geometric Design of Highways and Streets* (Green Book) is 240 feet, based on 25 miles per hour. 25 miles per hour is the posted speed limit on the roadways in the area, and is also the 85<sup>th</sup> percentile speed of traffic on Overhill Road as recorded by the Mountain Brook Police Department. The sight distance measurements are shown on Figures 6 through 12.



*Figure 6. Sight Distance – Intersection A*



*Figure 7. Sight Distance – Intersection B*

Overhill Road/Balmoral Road/Hastings Road/Laurel Lane



Figure 8. Sight Distance – Intersection C



Figure 9. Sight Distance – Intersection D



Figure 10. Sight Distance – Intersection E

Overhill Road/Balmoral Road/Hastings Road/Laurel Lane

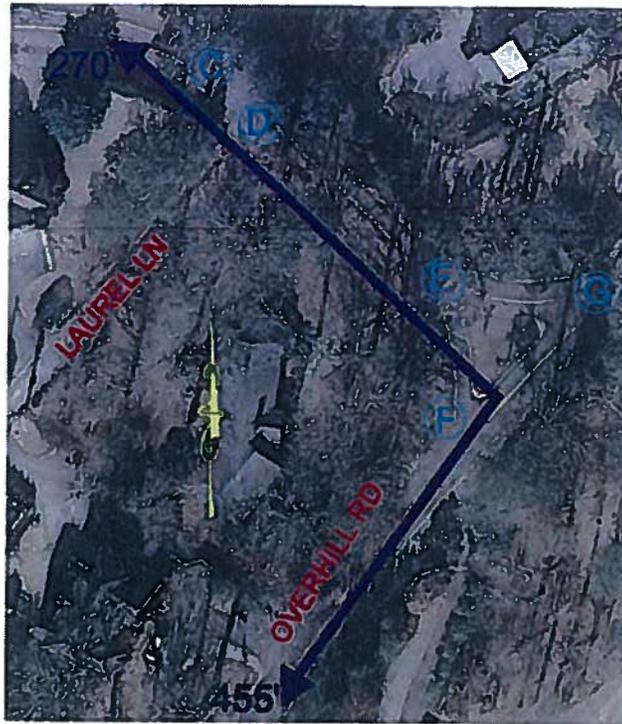


Figure 11. Sight Distance – Intersection F



Figure 12. Sight Distance – Intersection G

**Recommendations to Correct Sight Distance Deficiencies**

In order to mitigate sight distance deficiencies identified in Figures 6 through 12, revisions are needed to two existing traffic control devices (change YIELD signs to STOP signs) and two new traffic control devices would be required (two STOP signs). Also, a STOP sign needed to be added to Laurel Lane to reinforce what is already required by State Law. The proposed recommendations are shown in Figures 13 through 15.



*Figure 13. Recommendations – Intersections C and D*



*Figure 14. Recommendations – Intersection E*

Overhill Road/Balmoral Road/Hastings Road/Laurel Lane



Figure 15. Recommendations – Intersection G

An overall view of the signing which would be in place for the intersections should all the recommendations be implemented is shown in Figure 16.

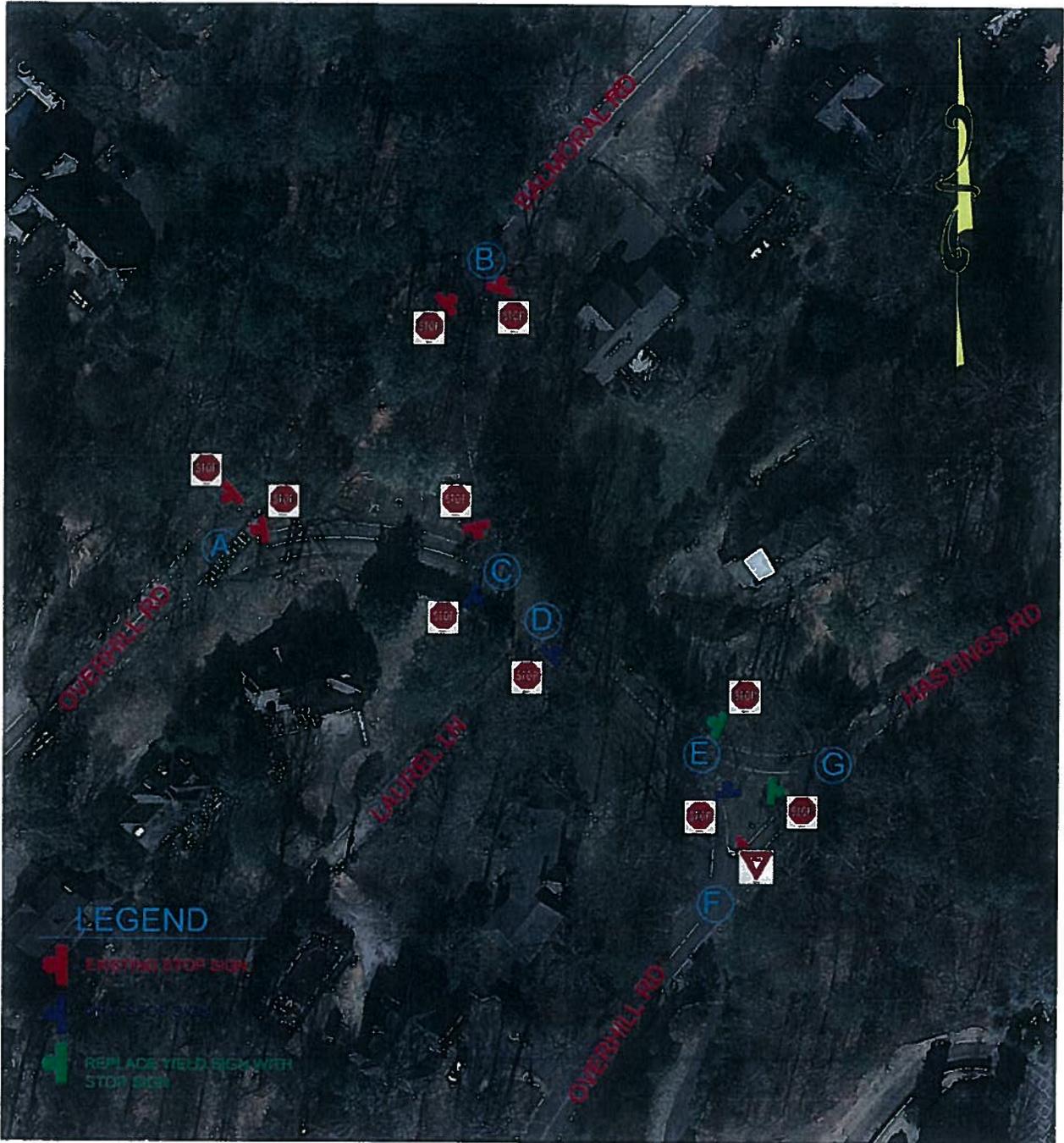


Figure 16. Overall Concept

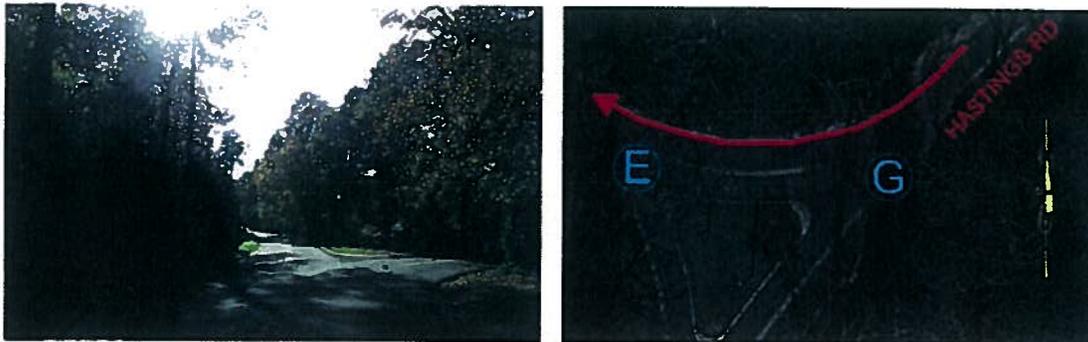
**Other Sight Distance Issues**

Implementation of the proposed recommendations in Figures 13 through 15 will mitigate sight distance deficiencies related to vehicles being able to see approaching conflicting vehicles in enough time to make safe maneuvers. However, there are two other sight distance issues related to vehicles being able to see an object (such as a pedestrian) on the side of the roadway due to obstructions caused by vegetation immediately behind the gutter.

The first issue is for vehicles which make a right turn from Hastings Road onto Overhill Road (from Intersection G to Intersection E). This is illustrated in Figure 17.

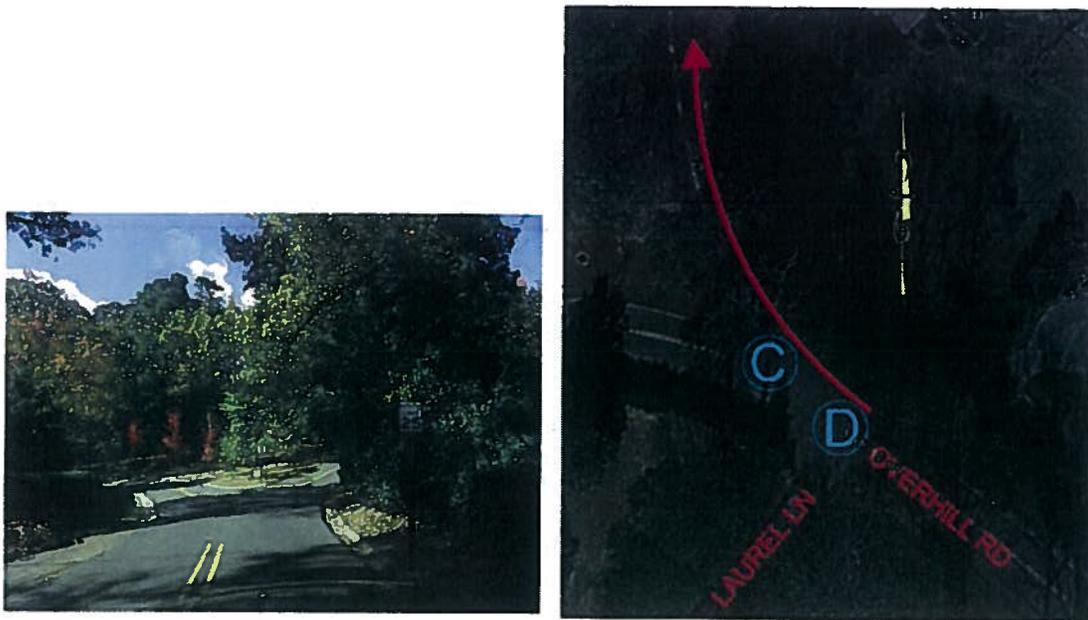
The second issue is for vehicles which make a right turn from Overhill Drive onto Balmoral Road (from Intersection C to Intersection B). This is illustrated in Figure 18.

The only reasonable method to mitigate these sight distance issues is to remove the existing vegetation to the point where the sight lines are clear. A clear sight line of 240 feet is desirable. It is evident that the vegetation which needs to be removed is largely on the right-of-way. However, it is also evident that the vegetation to be removed is both ornamental and used for screening. It would be prudent for the City of Mountain Brook to contact the property owners at these two locations and discuss the possibility of removing or trimming back the vegetation in order to improve these sight lines.



*Figure 17. Sight Distance Issue Due to Vegetation*

Overhill Road/Balmoral Road/Hastings Road/Laurel Lane



*Figure 18. Sight Distance Issue Due to Vegetation*

## **Appendix A**

### **Existing Traffic Counts**

**TRAFFIC DATA, LLC**  
**1409 Turnham Lane, Birmingham, AL 35216**  
**205-824-0125**

Location:: OVERHILL RD south of BALMORAL RD (A)  
 City, State:: MOUNTAIN BROOK, AL

Date: 12/4/2014  
 Thursday

**24 Hour Volume**

Begin	WB	EB	Combined	Begin	WB	EB	Combined					
10:00 AM	5	23	5	20	10	43	10:00 PM	0	1	1	1	2
10:15 AM	8		3		11		10:15 PM	0		0		0
10:30 AM	4		6		10		10:30 PM	1		0		1
10:45 AM	6		6		12		10:45 PM	0		0		0
11:00 AM	3	23	3	19	6	42	11:00 PM	0	0	0	1	0
11:15 AM	6		5		11		11:15 PM	0		0		0
11:30 AM	9		1		10		11:30 PM	0		1		1
11:45 AM	5		10		15		11:45 PM	0		0		0
12:00 PM	5	19	4	20	9	39	12:00 AM	0	1	0	0	0
12:15 PM	6		5		11		12:15 AM	0		0		0
12:30 PM	3		6		9		12:30 AM	0		0		0
12:45 PM	5		5		10		12:45 AM	1		0		1
1:00 PM	4	22	10	38	14	60	1:00 AM	0	0	0	0	0
1:15 PM	10		8		18		1:15 AM	0		0		0
1:30 PM	5		8		13		1:30 AM	0		0		0
1:45 PM	3		12		15		1:45 AM	0		0		0
2:00 PM	6	32	8	33	14	65	2:00 AM	0	0	0	0	0
2:15 PM	3		8		11		2:15 AM	0		0		0
2:30 PM	5		8		13		2:30 AM	0		0		0
2:45 PM	18		9		27		2:45 AM	0		0		0
3:00 PM	6	27	9	33	15	60	3:00 AM	0	0	0	0	0
3:15 PM	5		5		10		3:15 AM	0		0		0
3:30 PM	11		11		22		3:30 AM	0		0		0
3:45 PM	5		8		13		3:45 AM	0		0		0
4:00 PM	6	16	9	44	15	60	4:00 AM	0	0	0	0	0
4:15 PM	0		9		9		4:15 AM	0		0		0
4:30 PM	7		12		19		4:30 AM	0		0		0
4:45 PM	3		14		17		4:45 AM	0		0		0
5:00 PM	6	25	10	33	16	58	5:00 AM	0	4	0	0	4
5:15 PM	7		9		16		5:15 AM	2		0		2
5:30 PM	7		9		16		5:30 AM	1		0		1
5:45 PM	5		5		10		5:45 AM	1		0		1
6:00 PM	5	16	7	24	12	40	6:00 AM	1	10	1	6	2
6:15 PM	6		5		11		6:15 AM	1		0		1
6:30 PM	2		8		10		6:30 AM	0		2		2
6:45 PM	3		4		7		6:45 AM	8		3		11
7:00 PM	2	5	3	16	5	21	7:00 AM	3	36	5	31	8
7:15 PM	1		3		4		7:15 AM	7		4		11
7:30 PM	1		4		5		7:30 AM	12		12		24
7:45 PM	1		6		7		7:45 AM	14		10		24
8:00 PM	1	4	2	12	3	16	8:00 AM	7	22	5	21	12
8:15 PM	0		3		3		8:15 AM	5		8		13
8:30 PM	2		5		7		8:30 AM	5		6		11
8:45 PM	1		2		3		8:45 AM	5		2		7
9:00 PM	1	4	5	10	6	14	9:00 AM	4	24	4	17	8
9:15 PM	2		2		4		9:15 AM	5		2		7
9:30 PM	1		2		3		9:30 AM	10		4		14
9:45 PM	0		1		1		9:45 AM	5		7		12

24 Hour Volume      WB      EB      Combined  
 314 (45.3%)      379 (54.7%)      693

**12:00 AM - 12:00 PM**

Count	WB	EB	Combined
143	114	257	
55.6 %	44.4 %		
Peak Hour Volume	7:15 AM	7:30 AM	7:30 AM
Factor	40	35	73
	0.71	0.73	0.76

**12:00 PM - 12:00 AM**

Count	WB	EB	Combined
171	265	436	
39.2 %	60.8 %		
Peak Hour Volume	2:45 PM	4:15 PM	2:45 PM
Factor	40	45	74
	0.56	0.80	0.69

**TRAFFIC DATA, LLC**  
 1409 Turnham Lane, Birmingham, AL 35216  
 205-824-0125

Location: : BALMORAL BVLN north of OVERHILL RD (B)  
 City, State: : MOUNTAIN BROOK, AL

Date: 12/4/2014  
 Thursday

24 Hour Volume

Begin	SB	NB	Combined	Begin	SB	NB	Combined
10:00 AM	9	28	4	15	13	43	
10:15 AM	9		6	15	15		
10:30 AM	9		1	10	10		
10:45 AM	1		4	5	7		
11:00 AM	6	23	1	13	7	36	
11:15 AM	8		5	13	13		
11:30 AM	4		5	9	9		
11:45 AM	5		2	7	7		
12:00 PM	4	21	3	15	7	36	
12:15 PM	4		4	8	8		
12:30 PM	5		5	10	10		
12:45 PM	8		3	11	11		
1:00 PM	5	18	5	16	10	34	
1:15 PM	2		1	3	3		
1:30 PM	3		6	9	9		
1:45 PM	8		4	12	12		
2:00 PM	4	22	8	43	12	65	
2:15 PM	5		9	14	14		
2:30 PM	6		15	21	21		
2:45 PM	7		11	18	18		
3:00 PM	13	34	8	39	21	73	
3:15 PM	9		12	21	21		
3:30 PM	5		10	15	15		
3:45 PM	7		9	16	16		
4:00 PM	6	33	6	24	12	57	
4:15 PM	7		6	13	13		
4:30 PM	10		7	17	17		
4:45 PM	10		5	15	15		
5:00 PM	14	55	3	29	17	84	
5:15 PM	9		14	23	23		
5:30 PM	21		8	29	29		
5:45 PM	11		4	15	15		
6:00 PM	10	34	3	7	13	41	
6:15 PM	16		2	18	18		
6:30 PM	5		1	6	6		
6:45 PM	3		1	4	4		
7:00 PM	3	20	4	7	7	27	
7:15 PM	4		2	6	6		
7:30 PM	8		1	9	9		
7:45 PM	5		0	5	5		
8:00 PM	2	6	2	6	4	12	
8:15 PM	2		3	5	5		
8:30 PM	0		0	0	0		
8:45 PM	2		1	3	3		
9:00 PM	3	7	1	5	4	12	
9:15 PM	1		2	3	3		
9:30 PM	2		2	4	4		
9:45 PM	1		0	1	1		
24 Hour Volume		SB	NB	Combined			
		360 (52.0%)	332 (48.0%)	692			

Begin	SB	NB	Combined
10:00 PM	0	4	4
10:15 PM	0	2	2
10:30 PM	0	1	1
10:45 PM	0	0	0
11:00 PM	0	0	0
11:15 PM	0	0	0
11:30 PM	0	0	0
11:45 PM	0	0	0
12/5/2014 12:00 AM	0	0	0
12:15 AM	1	0	1
12:30 AM	0	0	0
12:45 AM	0	0	0
1:00 AM	0	0	0
1:15 AM	0	0	0
1:30 AM	0	0	0
1:45 AM	0	0	0
2:00 AM	0	0	0
2:15 AM	0	0	0
2:30 AM	0	0	0
2:45 AM	0	0	0
3:00 AM	0	0	0
3:15 AM	0	0	0
3:30 AM	0	0	0
3:45 AM	0	0	0
4:00 AM	0	0	0
4:15 AM	0	0	0
4:30 AM	1	0	1
4:45 AM	0	0	0
5:00 AM	0	1	1
5:15 AM	1	0	1
5:30 AM	0	1	1
5:45 AM	0	0	0
6:00 AM	0	2	2
6:15 AM	1	2	3
6:30 AM	0	1	1
6:45 AM	1	1	2
7:00 AM	2	24	26
7:15 AM	4	10	14
7:30 AM	9	31	40
7:45 AM	9	15	24
8:00 AM	2	14	16
8:15 AM	4	6	10
8:30 AM	4	3	7
8:45 AM	4	9	13
9:00 AM	4	3	7
9:15 AM	2	1	3
9:30 AM	3	4	7
9:45 AM	7	3	10

12:00 AM - 12:00 PM

Count	SB	NB	Combined
	110	137	247
Peak Hour	44.5 %	55.5 %	
Volume	10:00 AM	7:15 AM	7:15 AM
Factor	28	66	90
	0.78	0.53	0.56

12:00 PM - 12:00 AM

Count	SB	NB	Combined
	250	195	445
Peak Hour	56.2 %	43.8 %	
Volume	5:30 PM	2:30 PM	4:45 PM
Factor	58	46	84
	0.69	0.77	0.72

**TRAFFIC DATA, LLC**  
**1409 Turnham Lane, Birmingham, AL 35216**  
**205-824-0125**

Location: : BALMORAL RD north of OVERHILL RD (C)  
 City, State: : MOUNTAIN BROOK, AL

Date: 12/4/2014  
 Thursday

**24 Hour Volume**

Begin	SB	NB	Combined	Begin	SB	NB	Combined
10:00 AM	5	11	16	10:00 PM	0	1	1
10:15 AM	4		7	10:15 PM	1	0	1
10:30 AM	2		9	10:30 PM	0	0	0
10:45 AM	0		2	10:45 PM	0	0	0
11:00 AM	3	18	21	11:00 PM	0	0	0
11:15 AM	9		3	11:15 PM	0	0	0
11:30 AM	6		3	11:30 PM	0	0	0
11:45 AM	0		2	11:45 PM	0	0	0
12:00 PM	4	10	14	12/5/2014 12:00 AM	0	0	0
12:15 PM	2		4	12:15 AM	0	0	0
12:30 PM	2		2	12:30 AM	0	0	0
12:45 PM	2		2	12:45 AM	0	0	0
1:00 PM	1	13	14	1:00 AM	0	0	0
1:15 PM	5		3	1:15 AM	0	0	0
1:30 PM	6		4	1:30 AM	0	0	0
1:45 PM	1		3	1:45 AM	0	0	0
2:00 PM	3	9	12	2:00 AM	0	0	0
2:15 PM	1		4	2:15 AM	0	0	0
2:30 PM	3		4	2:30 AM	0	0	0
2:45 PM	2		4	2:45 AM	0	0	0
3:00 PM	2	17	19	3:00 AM	0	0	0
3:15 PM	9		2	3:15 AM	0	0	0
3:30 PM	5		3	3:30 AM	0	0	0
3:45 PM	1		6	3:45 AM	0	0	0
4:00 PM	2	11	13	4:00 AM	0	0	0
4:15 PM	5		4	4:15 AM	0	0	0
4:30 PM	0		8	4:30 AM	0	0	0
4:45 PM	4		5	4:45 AM	0	0	0
5:00 PM	2	8	10	5:00 AM	0	1	1
5:15 PM	2		5	5:15 AM	1	0	1
5:30 PM	3		2	5:30 AM	0	0	0
5:45 PM	1		2	5:45 AM	0	0	0
6:00 PM	2	10	12	6:00 AM	2	4	6
6:15 PM	4		1	6:15 AM	0	0	0
6:30 PM	3		5	6:30 AM	0	0	0
6:45 PM	1		1	6:45 AM	2	1	3
7:00 PM	0	5	5	7:00 AM	3	17	20
7:15 PM	1		0	7:15 AM	2	3	5
7:30 PM	1		2	7:30 AM	5	2	7
7:45 PM	3		1	7:45 AM	7	3	10
8:00 PM	2	3	5	8:00 AM	3	13	16
8:15 PM	1		1	8:15 AM	4	0	4
8:30 PM	0		1	8:30 AM	4	2	6
8:45 PM	0		1	8:45 AM	2	1	3
9:00 PM	2	3	5	9:00 AM	0	8	8
9:15 PM	0		1	9:15 AM	1	2	3
9:30 PM	0		1	9:30 AM	5	1	6
9:45 PM	1		2	9:45 AM	2	2	4
<b>24 Hour Volume</b>	<b>SB</b>	<b>NB</b>	<b>Combined</b>	<b>SB</b>	<b>NB</b>	<b>Combined</b>	
	162 (51.3%)	154 (48.7%)	316				

**12:00 AM - 12:00 PM**

Count	SB	NB	Combined
	72	45	117
<b>Peak Hour Volume Factor</b>	<b>61.5 %</b>	<b>38.5 %</b>	
	7:30 AM	10:00 AM	10:30 AM
	19	16	29
	0.68	0.44	0.60

**12:00 PM - 12:00 AM**

Count	SB	NB	Combined
	90	109	199
<b>Peak Hour Volume Factor</b>	<b>45.2 %</b>	<b>54.8 %</b>	
	2:45 PM	3:45 PM	3:00 PM
	18	21	33
	0.50	0.66	0.75

## TRAFFIC DATA, LLC 205-824-0125

Location: OVERHILL RD south of HASTINGS RD (D)

Count Interval: 15 minutes

Count Date: Thursday - December 4, 2014 /Friday - December 5, 2014

Time	NorthBound Volume	SouthBound Volume	Total Volume
10:00 - 10:14	7	6	13
10:15 - 10:29	6	6	12
10:30 - 10:44	9	3	12
10:45 - 10:59	3	1	4
Hour Total	25	16	41
11:00 - 11:14	2	4	6
11:15 - 11:29	4	7	11
11:30 - 11:44	6	6	12
11:45 - 11:59	4	7	11
Hour Total	16	24	40
12:00 - 12:14	8	6	14
12:15 - 12:29	4	2	6
12:30 - 12:44	7	4	11
12:45 - 12:59	3	4	7
Hour Total	22	16	38
13:00 - 13:14	6	4	10
13:15 - 13:29	7	9	16
13:30 - 13:44	5	10	15
13:45 - 13:59	5	7	12
Hour Total	23	30	53
14:00 - 14:14	7	11	18
14:15 - 14:29	6	4	10
14:30 - 14:44	5	8	13
14:45 - 14:59	19	6	25
Hour Total	37	29	66
15:00 - 15:14	8	7	15
15:15 - 15:29	2	6	8
15:30 - 15:44	9	12	21
15:45 - 15:59	7	8	15
Hour Total	26	33	59
16:00 - 16:14	4	5	9
16:15 - 16:29	2	7	9
16:30 - 16:44	7	4	11
16:45 - 16:59	5	10	15
Hour Total	18	26	44
17:00 - 17:14	6	8	14
17:15 - 17:29	8	6	14
17:30 - 17:44	7	7	14

Location: OVERHILL RD south of HASTINGS RD (D)  
Count Date: Thursday - December 4, 2014 /Friday - December 5, 2014

Time	NorthBound Volume	SouthBound Volume	Total Volume
17:45 - 17:59	6	3	9
Hour Total	27	24	51
18:00 - 18:14	5	5	10
18:15 - 18:29	4	7	11
18:30 - 18:44	5	3	8
18:45 - 18:59	3	4	7
Hour Total	17	19	36
19:00 - 19:14	2	4	6
19:15 - 19:29	1	1	2
19:30 - 19:44	2	2	4
19:45 - 19:59	0	6	6
Hour Total	5	13	18
20:00 - 20:14	3	3	6
20:15 - 20:29	2	3	5
20:30 - 20:44	1	2	3
20:45 - 20:59	2	1	3
Hour Total	8	9	17
21:00 - 21:14	0	3	3
21:15 - 21:29	2	1	3
21:30 - 21:44	1	1	2
21:45 - 21:59	2	0	2
Hour Total	5	5	10
22:00 - 22:14	0	0	0
22:15 - 22:29	0	1	1
22:30 - 22:44	2	0	2
23:45 - 22:59	0	0	0
Hour Total	2	1	3
23:00 - 23:14	0	0	0
23:15 - 23:29	0	0	0
23:30 - 23:44	0	0	0
23:45 - 23:59	0	0	0
Hour Total	0	0	0
Mid - 12:14	0	0	0
12:15 - 12:29	0	0	0
12:30 - 12:44	0	0	0
12:45 - 12:59	1	0	1
Hour Total	1	0	1
1:00 - 1:14	0	0	0
1:15 - 1:29	0	0	0
1:30 - 1:44	0	0	0
1:45 - 1:59	0	0	0
Hour Total	0	0	0
2:00 - 2:14	0	0	0
2:15 - 2:29	0	0	0
2:30 - 2:44	0	0	0
2:45 - 2:59	0	0	0
Hour Total	0	0	0

Location: OVERHILL RD south of HASTINGS RD (D)  
Count Date: Thursday - December 4, 2014 /Friday - December 5, 2014

Time	NorthBound Volume	SouthBound Volume	Total Volume
3:00 - 3:14	0	0	0
3:15 - 3:29	0	0	0
3:30 - 3:44	0	0	0
3:45 - 3:59	0	0	0
Hour Total	0	0	0
4:00 - 4:14	0	0	0
4:15 - 4:29	0	0	0
4:30 - 4:44	0	0	0
4:45 - 4:59	0	0	0
Hour Total	0	0	0
5:00 - 5:14	0	0	0
5:15 - 5:29	0	1	1
5:30 - 5:44	0	0	0
5:45 - 5:59	0	0	0
Hour Total	0	1	1
6:00 - 6:14	0	2	2
6:15 - 6:29	1	0	1
6:30 - 6:44	0	1	1
6:45 - 6:59	3	3	6
Hour Total	4	6	10
7:00 - 7:14	3	4	7
7:15 - 7:29	2	3	5
7:30 - 7:44	4	5	9
7:45 - 7:59	10	11	21
Hour Total	19	23	42
8:00 - 8:14	5	7	12
8:15 - 8:29	1	7	8
8:30 - 8:44	3	6	9
8:45 - 8:59	4	3	7
Hour Total	13	23	36
9:00 - 9:14	5	3	8
9:15 - 9:29	8	3	11
9:30 - 9:44	6	9	15
9:45 - 9:59	7	5	12
Hour Total	26	20	46
-----			
ADT :	294	318	612
AM Peak Time :	9:45-10:45	7:45- 8:45	9:30-10:30
AM Peak Volume:	29	31	52
PM Peak Time :	14:15-15:15	13:15-14:15	14:45-15:45
PM Peak Volume:	38	37	69

## TRAFFIC DATA, LLC 205-824-0125

Location: HASTINGS RD east of OVERHILL RD (E)

Count Interval: 15 minutes

Count Date: Thursday - December 4, 2014 /Friday - December 5, 2014

Time	EastBound Volume	WestBound Volume	Total Volume
10:00 - 10:14	2	2	4
10:15 - 10:29	1	1	2
10:30 - 10:44	3	0	3
10:45 - 10:59	4	0	4
Hour Total	10	3	13
11:00 - 11:14	0	1	1
11:15 - 11:29	6	1	7
11:30 - 11:44	1	6	7
11:45 - 11:59	3	3	6
Hour Total	10	11	21
12:00 - 12:14	0	1	1
12:15 - 12:29	5	2	7
12:30 - 12:44	4	0	4
12:45 - 12:59	3	5	8
Hour Total	12	8	20
13:00 - 13:14	3	0	3
13:15 - 13:29	1	3	4
13:30 - 13:44	2	1	3
13:45 - 13:59	5	1	6
Hour Total	11	5	16
14:00 - 14:14	0	1	1
14:15 - 14:29	3	2	5
14:30 - 14:44	3	1	4
14:45 - 14:59	4	0	4
Hour Total	10	4	14
15:00 - 15:14	5	3	8
15:15 - 15:29	7	3	10
15:30 - 15:44	5	6	11
15:45 - 15:59	4	2	6
Hour Total	21	14	35
16:00 - 16:14	5	4	9
16:15 - 16:29	5	0	5
16:30 - 16:44	6	5	11
16:45 - 16:59	8	2	10
Hour Total	24	11	35
17:00 - 17:14	3	4	7
17:15 - 17:29	3	4	7
17:30 - 17:44	4	2	6

Location: HASTINGS RD east of OVERHILL RD (E)

Count Date: Thursday - December 4, 2014 /Friday - December 5, 2014

Time	EastBound Volume	WestBound Volume	Total Volume
17:45 - 17:59	4	1	5
Hour Total	14	11	25
18:00 - 18:14	3	2	5
18:15 - 18:29	1	3	4
18:30 - 18:44	6	3	9
18:45 - 18:59	2	0	2
Hour Total	12	8	20
19:00 - 19:14	2	1	3
19:15 - 19:29	2	1	3
19:30 - 19:44	3	1	4
19:45 - 19:59	3	1	4
Hour Total	10	4	14
20:00 - 20:14	2	0	2
20:15 - 20:29	0	0	0
20:30 - 20:44	3	1	4
20:45 - 20:59	0	1	1
Hour Total	5	2	7
21:00 - 21:14	1	0	1
21:15 - 21:29	2	0	2
21:30 - 21:44	1	1	2
21:45 - 21:59	1	0	1
Hour Total	5	1	6
22:00 - 22:14	1	0	1
22:15 - 22:29	0	0	0
22:30 - 22:44	0	0	0
22:45 - 22:59	0	0	0
Hour Total	1	0	1
23:00 - 23:14	0	0	0
23:15 - 23:29	0	0	0
23:30 - 23:44	1	0	1
23:45 - 23:59	0	0	0
Hour Total	1	0	1
Mid - 12:14	0	0	0
12:15 - 12:29	0	0	0
12:30 - 12:44	0	0	0
12:45 - 12:59	0	0	0
Hour Total	0	0	0
1:00 - 1:14	0	0	0
1:15 - 1:29	0	0	0
1:30 - 1:44	0	0	0
1:45 - 1:59	0	0	0
Hour Total	0	0	0
2:00 - 2:14	0	0	0
2:15 - 2:29	0	0	0
2:30 - 2:44	0	0	0
2:45 - 2:59	0	0	0
Hour Total	0	0	0

Location: HASTINGS RD east of OVERHILL RD (E)  
 Count Date: Thursday - December 4, 2014 /Friday - December 5, 2014

Time	EastBound Volume	WestBound Volume	Total Volume
3:00 - 3:14	0	0	0
3:15 - 3:29	0	0	0
3:30 - 3:44	0	0	0
3:45 - 3:59	0	0	0
Hour Total	0	0	0
4:00 - 4:14	0	0	0
4:15 - 4:29	0	0	0
4:30 - 4:44	0	0	0
4:45 - 4:59	0	0	0
Hour Total	0	0	0
5:00 - 5:14	0	0	0
5:15 - 5:29	0	2	2
5:30 - 5:44	0	1	1
5:45 - 5:59	0	0	0
Hour Total	0	3	3
6:00 - 6:14	1	1	2
6:15 - 6:29	0	0	0
6:30 - 6:44	1	0	1
6:45 - 6:59	1	3	4
Hour Total	3	4	7
7:00 - 7:14	3	1	4
7:15 - 7:29	3	5	8
7:30 - 7:44	11	7	18
7:45 - 7:59	4	4	8
Hour Total	21	17	38
8:00 - 8:14	3	3	6
8:15 - 8:29	3	4	7
8:30 - 8:44	3	4	7
8:45 - 8:59	0	1	1
Hour Total	9	12	21
9:00 - 9:14	1	1	2
9:15 - 9:29	1	0	1
9:30 - 9:44	3	2	5
9:45 - 9:59	3	1	4
Hour Total	8	4	12
ADT :	187	122	309
AM Peak Time :	7:00- 8:00	7:15- 8:15	7:15- 8:15
AM Peak Volume:	21	19	40
PM Peak Time :	16:00-17:00	15:15-16:15	15:15-16:15
PM Peak Volume:	24	15	36

TRAFFIC DATA, LLC 205-824-0125

Location: HASTINGS RD north of OVERHILL RD (F)

Count Interval: 15 minutes

Count Date: Thursday - December 4, 2014 /Friday - December 5, 2014

Time	SouthBound Volume	NorthBound Volume	Total Volume
10:00 - 10:14	0	1	1
10:15 - 10:29	3	2	5
10:30 - 10:44	0	1	1
10:45 - 10:59	0	0	0
Hour Total	3	4	7
11:00 - 11:14	1	0	1
11:15 - 11:29	1	0	1
11:30 - 11:44	0	0	0
11:45 - 11:59	0	0	0
Hour Total	2	0	2
12:00 - 12:14	2	1	3
12:15 - 12:29	2	1	3
12:30 - 12:44	0	0	0
12:45 - 12:59	0	0	0
Hour Total	4	2	6
13:00 - 13:14	2	0	2
13:15 - 13:29	2	0	2
13:30 - 13:44	0	0	0
13:45 - 13:59	1	0	1
Hour Total	5	0	5
14:00 - 14:14	0	2	2
14:15 - 14:29	2	0	2
14:30 - 14:44	1	3	4
14:45 - 14:59	1	3	4
Hour Total	4	8	12
15:00 - 15:14	1	0	1
15:15 - 15:29	0	0	0
15:30 - 15:44	2	0	2
15:45 - 15:59	0	0	0
Hour Total	3	0	3
16:00 - 16:14	0	0	0
16:15 - 16:29	0	0	0
16:30 - 16:44	1	0	1
16:45 - 16:59	1	2	3
Hour Total	2	2	4
17:00 - 17:14	0	0	0
17:15 - 17:29	1	1	2
17:30 - 17:44	0	0	0

Location: HASTINGS RD north of OVERHILL RD (F)  
Count Date: Thursday - December 4, 2014 /Friday - December 5, 2014

Time	SouthBound Volume	NorthBound Volume	Total Volume
17:45 - 17:59	0	0	0
Hour Total	1	1	2
18:00 - 18:14	0	0	0
18:15 - 18:29	2	0	2
18:30 - 18:44	0	0	0
18:45 - 18:59	0	1	1
Hour Total	2	1	3
19:00 - 19:14	0	0	0
19:15 - 19:29	0	0	0
19:30 - 19:44	1	1	2
19:45 - 19:59	0	0	0
Hour Total	1	1	2
20:00 - 20:14	0	0	0
20:15 - 20:29	0	0	0
20:30 - 20:44	0	1	1
20:45 - 20:59	0	1	1
Hour Total	0	2	2
21:00 - 21:14	1	1	2
21:15 - 21:29	0	0	0
21:30 - 21:44	1	1	2
21:45 - 21:59	0	0	0
Hour Total	2	2	4
22:00 - 22:14	0	1	1
22:15 - 22:29	0	0	0
22:30 - 22:44	0	0	0
22:45 - 22:59	0	0	0
Hour Total	0	1	1
23:00 - 23:14	0	0	0
23:15 - 23:29	0	0	0
23:30 - 23:44	0	0	0
23:45 - 23:59	0	0	0
Hour Total	0	0	0
Mid - 12:14	0	0	0
12:15 - 12:29	0	0	0
12:30 - 12:44	0	1	1
12:45 - 12:59	0	0	0
Hour Total	0	1	1
1:00 - 1:14	0	0	0
1:15 - 1:29	0	0	0
1:30 - 1:44	0	0	0
1:45 - 1:59	0	0	0
Hour Total	0	0	0
2:00 - 2:14	0	0	0
2:15 - 2:29	0	0	0
2:30 - 2:44	0	0	0
2:45 - 2:59	0	0	0
Hour Total	0	0	0

Location: HASTINGS RD north of OVERHILL RD (F)

Count Date: Thursday - December 4, 2014 /Friday - December 5, 2014

Time	SouthBound Volume	NorthBound Volume	Total Volume
3:00 - 3:14	0	0	0
3:15 - 3:29	0	0	0
3:30 - 3:44	0	0	0
3:45 - 3:59	0	0	0
Hour Total	0	0	0
4:00 - 4:14	0	0	0
4:15 - 4:29	0	0	0
4:30 - 4:44	0	0	0
4:45 - 4:59	0	0	0
Hour Total	0	0	0
5:00 - 5:14	0	0	0
5:15 - 5:29	1	1	2
5:30 - 5:44	0	0	0
5:45 - 5:59	0	0	0
Hour Total	1	1	2
6:00 - 6:14	0	0	0
6:15 - 6:29	0	0	0
6:30 - 6:44	0	0	0
6:45 - 6:59	0	0	0
Hour Total	0	0	0
7:00 - 7:14	0	0	0
7:15 - 7:29	0	1	1
7:30 - 7:44	1	0	1
7:45 - 7:59	0	0	0
Hour Total	1	1	2
8:00 - 8:14	0	0	0
8:15 - 8:29	0	1	1
8:30 - 8:44	1	0	1
8:45 - 8:59	1	0	1
Hour Total	2	1	3
9:00 - 9:14	0	0	0
9:15 - 9:29	0	2	2
9:30 - 9:44	1	1	2
9:45 - 9:59	0	0	0
Hour Total	1	3	4
ADT :	34	31	65
AM Peak Time :	9:30-10:30	9:15-10:15	9:30-10:30
AM Peak Volume :	4	4	8
PM Peak Time :	13:00-14:00	14:00-15:00	14:00-15:00
PM Peak Volume :	5	8	12