

Village of Northbrook  
Public Works Department

Speed and Count Study For:

**VOLTZ ROAD EAST AND WEST OF GRANT ROAD AND  
SUNSET RIDGE ROAD NORTH AND SOUTH OF VOLTZ ROAD AND  
SUNSET RIDGE ROAD NORTH OF ROSEWOOD COURT**

Total Survey Duration for Voltz Road:

09:00 a.m. Tuesday October 25, 2016 => 09:00a.m. Tuesday, November 1, 2016 (=7 Days)

**Speed Statistics Vehicles Voltz Road WEST of Grant Road**

Posted speed limit= 30 mph

Exceeding = 15,371 (83.7%)

Mean Exceeding = 35 mph

Maximum = 66.6 mph

Minimum = 6.4 mph

Mean = 33.6 mph

Median = 33.6 mph

85% Speed = 37.8 mph

## Speed Statistics Vehicles Voltz Road WEST of Grant Road

**Total Survey Duration:** 09:00 a.m. Tuesday, October 25, 2016 => 09:00 a.m. Tuesday, November 1, 2016 (=7 Days)

**Direction:** Both Lanes

**Vehicles at this Location = 18,354**

**Posted speed limit= 30 mph, Exceeding = 15,371 (83.7%), Mean Exceeding = 35 mph**

**Maximum = 66.6 mph**

**Minimum = 6.4 mph**

**Mean = 33.6 mph**

**Median = 33.6 mph**

**85% Speed = 37.8 mph**

### Speed Bins

Speed	Bin	Below	Above
0 - 6	0 0.0%	0 0.0%	18354 100.0%
6 - 12	99 0.5%	99 0.5%	18255 99.5%
12 - 19	167 0.9%	266 1.4%	18088 98.6%
19 - 25	376 2.0%	642 3.5%	17712 96.5%
25 - 31	3696 20.1%	4338 23.6%	14016 76.4%
31 - 37	10581 57.6%	14919 81.3%	3435 18.7%
37 - 43	3182 17.3%	18101 98.6%	253 1.4%
43 - 50	221 1.2%	18322 99.8%	32 0.2%
50 - 56	30 0.2%	18352 100.0%	2 0.0%
56 - 62	0 0.0%	18352 100.0%	2 0.0%
62 - 68	2 0.0%	18354 100.0%	0 0.0%
68 - 75	0 0.0%	18354 100.0%	0 0.0%
75 - 81	0 0.0%	18354 100.0%	0 0.0%
81 - 87	0 0.0%	18354 100.0%	0 0.0%
87 - 93	0 0.0%	18354 100.0%	0 0.0%
93 - 99	0 0.0%	18354 100.0%	0 0.0%
99 - 106	0 0.0%	18354 100.0%	0 0.0%
106 - 112	0 0.0%	18354 100.0%	0 0.0%
112 - 118	0 0.0%	18354 100.0%	0 0.0%
118 - 124	0 0.0%	18354 100.0%	0 0.0%

### Hour Bins

Time	Bin	Min	Max	Mean	Median	85%	95%	>PSL 30 mph
0000	58 0.3%	16.1	45.8	33.4	32.9	37.8	41.2	48 82.8%
0100	27 0.1%	23.5	41.2	34.3	35.1	39.4	40.0	23 85.2%
0200	11 0.1%	28.3	36.8	32.6	32.2	36.5	36.5	8 72.7%
0300	9 0.0%	28.2	39.2	32.4	30.4	35.8	39.1	6 66.7%
0400	40 0.2%	8.3	53.6	31.8	32.0	40.0	46.1	27 67.5%
0500	120 0.7%	7.8	50.9	32.8	32.7	37.4	40.7	94 78.3%
0600	331 1.8%	16.2	54.2	34.0	33.3	38.0	42.3	278 84.0%
0700	1249 6.8%	7.9	65.4	33.3	33.1	37.1	39.6	1026 82.1%
0800	1363 7.4%	8.0	47.9	33.0	33.1	37.1	39.6	1102 80.9%
0900	1149 6.3%	8.1	54.4	33.6	33.6	37.6	39.8	985 85.7%
1000	1128 6.1%	8.9	49.8	33.7	33.8	38.0	40.7	946 83.9%
1100	1261 6.9%	8.3	54.4	34.0	34.0	38.0	41.4	1083 85.9%
1200	1272 6.9%	10.2	54.6	34.3	34.2	38.5	41.4	1104 86.8%
1300	1291 7.0%	7.2	50.9	33.1	33.6	37.8	40.5	1042 80.7%
1400	1329 7.2%	6.4	53.1	32.9	33.1	38.0	40.5	1055 79.4%
1500	1675 9.1%	11.8	51.9	33.8	33.8	38.3	40.9	1404 83.8%
1600	1711 9.3%	9.0	50.6	33.9	34.0	37.8	40.3	1486 86.8%
1700	1614 8.8%	8.4	50.6	33.9	33.8	37.6	40.0	1389 86.1%
1800	1048 5.7%	9.5	51.9	33.7	33.8	37.6	40.3	887 84.6%
1900	590 3.2%	9.9	50.8	33.7	33.6	38.0	40.9	495 83.9%
2000	414 2.3%	9.9	52.3	33.8	33.8	38.3	41.4	340 82.1%
2100	314 1.7%	10.6	66.6	33.1	33.1	37.6	40.7	249 79.3%
2200	221 1.2%	10.5	46.5	33.9	33.8	38.7	41.4	193 87.3%
2300	129 0.7%	18.1	54.1	33.5	34.0	37.4	40.5	101 78.3%
----	<b>18354 100.0%</b>	<b>6.4</b>	<b>66.6</b>	<b>33.6</b>	<b>33.6</b>	<b>37.8</b>	<b>40.5</b>	<b>15371 83.7%</b>

## Weekly Vehicle Counts Voltz Road WEST of Grant Road (Virtual Week)

Hour Period	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Averages	
								MO - FR	MO - SU
0000-0100	7.0	5.0	4.0	2.0	6.0	12.0	22.0	4.8	8.3
0100-0200	5.0	1.0	1.0	0.0	3.0	7.0	10.0	2.0	3.9
0200-0300	1.0	1.0	2.0	0.0	2.0	2.0	3.0	1.2	1.6
0300-0400	0.0	3.0	1.0	3.0	1.0	1.0	0.0	1.6	1.3
0400-0500	12.0	5.0	2.0	8.0	4.0	7.0	2.0	6.2	5.7
0500-0600	19.0	18.0	25.0	22.0	23.0	7.0	6.0	21.4	17.1
0600-0700	63.0	64.0	63.0	57.0	59.0	16.0	9.0	61.2	47.3
0700-0800	223.0	225.0	228.0	233.0	<b>247.0&lt;</b>	58.0	35.0	<b>231.2&lt;</b>	178.4
0800-0900	<b>230.0&lt;</b>	<b>245.0&lt;</b>	<b>231.0&lt;</b>	<b>236.0&lt;</b>	201.0	135.0	85.0	228.6	<b>194.7&lt;</b>
0900-1000	173.0	187.0	167.0	178.0	165.0	173.0	106.0	174.0	164.1
1000-1100	152.0	151.0	132.0	148.0	165.0	<b>243.0&lt;</b>	137.0	149.6	161.1
1100-1200	207.0	168.0	131.0	211.0	183.0	202.0	<b>159.0&lt;</b>	180.0	180.1
1200-1300	206.0	174.0	158.0	181.0	203.0	188.0	162.0	184.4	181.7
1300-1400	164.0	162.0	157.0	195.0	234.0	<b>202.0&lt;</b>	<b>177.0&lt;</b>	182.4	184.4
1400-1500	214.0	191.0	161.0	208.0	231.0	177.0	147.0	201.0	189.9
1500-1600	<b>301.0&lt;</b>	264.0	247.0	245.0	<b>282.0&lt;</b>	169.0	167.0	267.8	239.3
1600-1700	266.0	<b>297.0&lt;</b>	<b>292.0&lt;</b>	293.0	269.0	140.0	154.0	<b>283.4&lt;</b>	<b>244.4&lt;</b>
1700-1800	201.0	296.0	244.0	<b>322.0&lt;</b>	277.0	141.0	133.0	268.0	230.6
1800-1900	141.0	179.0	155.0	173.0	185.0	133.0	82.0	166.6	149.7
1900-2000	87.0	94.0	91.0	115.0	79.0	50.0	74.0	93.2	84.3
2000-2100	64.0	50.0	57.0	83.0	72.0	51.0	37.0	65.2	59.1
2100-2200	48.0	42.0	38.0	50.0	69.0	50.0	17.0	49.4	44.9
2200-2300	17.0	19.0	33.0	27.0	51.0	62.0	12.0	29.4	31.6
2300-2400	12.0	5.0	8.0	13.0	34.0	40.0	17.0	14.4	18.4
<b>Totals</b>									
<b>12 HR 7-19</b>	2478.0	2539.0	2303.0	2623.0	2642.0	1961.0	1544.0	2517.0	2298.6
<b>16 HR 6-22</b>	2740.0	2789.0	2552.0	2928.0	2921.0	2128.0	1681.0	2786.0	2534.1
<b>18 HR 6-24</b>	2769.0	2813.0	2593.0	2968.0	3006.0	2230.0	1710.0	2829.8	2584.1
=====									
<b>24 HR 0-24</b>	2813.0	2846.0	2628.0	3003.0	3045.0	2266.0	1753.0	2867.0	2622.0
=====									
<b>AM Peak</b>	0800	0800	0800	0800	0700	1000	1100		
	230.0	245.0	231.0	236.0	247.0	243.0	159.0		
<b>PM Peak</b>	1500	1600	1600	1700	1500	1300	1300		
	301.0	297.0	292.0	322.0	282.0	202.0	177.0		

## **Speed Statistics Vehicles Voltz Road East of Grant Road**

**Posted speed limit**= 30 mph

**Exceeding** = 13,775 (91.2%)

**Mean Exceeding** = 36.6 mph

**Maximum** = 73.6 mph

**Minimum** = 6.6 mph

**Mean** = 35.7 mph

**Median** = 35.6 mph

**85% Speed** = 40.0 mph

## Speed Statistics Vehicles Voltz Road EAST of Grant Road

**Total Survey Duration:** 09:00 a.m. Tuesday, October 25, 2016 => 09:00 a.m. Tuesday, November 1, 2016 (=7 Days)

**Direction:** Both Lanes

**Vehicles at this location** = 15,091

**Posted speed limit**= 30 mph, Exceeding = 13,775 (91.3%), Mean Exceeding = 36.6 mph

**Maximum** = 73.6 mph

**Minimum** = 6.6 mph

**Mean** = 35.7 mph

**Median** = 35.6 mph

**85% Speed** = 40.0 mph

### Speed Bins

Speed	Bin	Below	Above
0 - 6	0 0.0%	0 0.0%	15091 100.0%
6 - 12	33 0.2%	33 0.2%	15058 99.8%
12 - 19	128 0.8%	161 1.1%	14930 98.9%
19 - 25	183 1.2%	344 2.3%	14747 97.7%
25 - 31	1588 10.5%	1932 12.8%	13159 87.2%
31 - 37	7775 51.5%	9707 64.3%	5384 35.7%
37 - 43	4733 31.4%	14440 95.7%	651 4.3%
43 - 50	588 3.9%	15028 99.6%	63 0.4%
50 - 56	50 0.3%	15078 99.9%	13 0.1%
56 - 62	11 0.1%	15089 100.0%	2 0.0%
62 - 68	0 0.0%	15089 100.0%	2 0.0%
68 - 75	2 0.0%	15091 100.0%	0 0.0%
75 - 81	0 0.0%	15091 100.0%	0 0.0%
81 - 87	0 0.0%	15091 100.0%	0 0.0%
87 - 93	0 0.0%	15091 100.0%	0 0.0%
93 - 99	0 0.0%	15091 100.0%	0 0.0%
99 - 106	0 0.0%	15091 100.0%	0 0.0%
106 - 112	0 0.0%	15091 100.0%	0 0.0%
112 - 118	0 0.0%	15091 100.0%	0 0.0%
118 - 124	0 0.0%	15091 100.0%	0 0.0%

### Hour Bins

Time	Bin	Min	Max	Mean	Median	85%	95%	>PSL 30 mph
0000	22 0.1%	10.8	60.9	37.0	37.1	45.9	47.4	19 86.4%
0100	18 0.1%	11.2	43.7	34.5	34.9	39.8	42.5	16 88.9%
0200	5 0.0%	29.9	36.3	33.1	33.3	35.1	36.2	4 80.0%
0300	7 0.0%	28.6	39.7	35.3	36.0	38.5	39.6	6 85.7%
0400	19 0.1%	23.1	52.3	34.0	34.7	37.4	38.9	14 73.7%
0500	90 0.6%	14.4	47.0	34.7	34.7	38.9	44.3	81 90.0%
0600	238 1.6%	18.8	57.6	35.8	35.6	40.3	44.1	213 89.5%
0700	882 5.8%	14.4	55.2	35.0	34.9	38.9	42.1	784 88.9%
0800	1103 7.3%	10.1	52.1	34.2	34.4	38.9	42.1	940 85.2%
0900	1003 6.6%	11.1	52.6	35.7	35.8	40.3	42.7	912 90.9%
1000	937 6.2%	10.1	57.0	36.2	36.0	40.5	43.6	883 94.2%
1100	1055 7.0%	6.6	54.8	35.8	36.0	40.5	42.9	952 90.2%
1200	1087 7.2%	12.4	57.2	36.1	36.0	40.3	43.2	1010 92.9%
1300	1046 6.9%	9.5	54.0	35.9	36.0	40.5	43.8	960 91.8%
1400	1109 7.3%	14.6	73.6	35.4	35.3	39.8	42.7	996 89.8%
1500	1407 9.3%	7.9	52.8	35.1	35.3	40.3	43.2	1235 87.8%
1600	1459 9.7%	9.0	50.4	36.2	36.0	40.3	43.2	1377 94.4%
1700	1377 9.1%	11.0	58.0	36.2	36.0	40.0	42.7	1314 95.4%
1800	880 5.8%	12.8	71.9	36.2	36.2	40.3	42.7	825 93.8%
1900	474 3.1%	22.8	50.4	36.2	35.8	40.7	43.4	442 93.2%
2000	337 2.2%	14.9	49.7	36.1	36.2	40.0	43.6	312 92.6%
2100	256 1.7%	11.0	58.4	35.3	35.1	40.3	42.9	229 89.5%
2200	184 1.2%	17.1	47.1	35.8	35.8	40.0	44.3	171 92.9%
2300	96 0.6%	11.8	59.1	34.1	34.0	38.9	41.4	80 83.3%
----	15091 100.0%	6.6	73.6	35.7	35.6	40.0	42.9	13775 91.3%

## Weekly Vehicle Counts Voltz Road East of Grant Road (Virtual Week)

Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Averages	
								MO - FR	MO - SU
0000-0100	*	4.0	3.0	2.0	4.0	9.0	*	3.3	4.4
0100-0200	*	2.0	2.0	2.0	4.0	8.0	*	2.5	3.6
0200-0300	*	1.0	2.0	0.0	2.0	0.0	*	1.3	1.0
0300-0400	*	3.0	1.0	2.0	1.0	0.0	*	1.8	1.4
0400-0500	*	4.0	2.0	5.0	3.0	5.0	*	3.5	3.8
0500-0600	*	19.0	26.0	19.0	21.0	5.0	*	21.3	18.0
0600-0700	*	62.0	55.0	56.0	51.0	14.0	*	56.0	47.6
0700-0800	*	215.0	192.0	198.0	<b>213.0&lt;</b>	61.0	*	204.5	175.8
0800-0900	*	<b>222.0&lt;</b>	<b>204.0&lt;</b>	<b>208.0&lt;</b>	189.0	145.0	*	<b>205.8&lt;</b>	<b>193.6&lt;</b>
0900-1000	154.0	178.0	163.0	172.0	173.0	162.0	*	168.0	167.0
1000-1100	142.0	146.0	112.0	160.0	169.0	<b>207.0&lt;</b>	*	145.8	156.0
1100-1200	190.0	173.0	129.0	205.0	177.0	179.0	*	174.8	175.5
1200-1300	191.0	172.0	157.0	179.0	201.0	<b>183.0&lt;</b>	*	180.0	180.5
1300-1400	154.0	159.0	150.0	184.0	221.0	172.0	*	173.6	173.3
1400-1500	202.0	171.0	170.0	194.0	208.0	161.0	*	189.0	184.3
1500-1600	<b>272.0&lt;</b>	244.0	234.0	225.0	<b>269.0&lt;</b>	160.0	*	248.8	234.0
1600-1700	237.0	273.0	<b>271.0&lt;</b>	286.0	259.0	133.0	*	<b>265.2&lt;</b>	<b>243.2&lt;</b>
1700-1800	196.0	<b>275.0&lt;</b>	227.0	<b>306.0&lt;</b>	247.0	125.0	*	250.2	229.3
1800-1900	123.0	171.0	138.0	168.0	167.0	111.0	*	153.4	146.3
1900-2000	73.0	89.0	94.0	105.0	72.0	41.0	*	86.6	79.0
2000-2100	53.0	52.0	40.0	82.0	69.0	41.0	*	59.2	56.2
2100-2200	34.0	43.0	30.0	44.0	63.0	42.0	*	42.8	42.7
2200-2300	17.0	19.0	33.0	25.0	46.0	44.0	*	28.0	30.7
2300-2400	12.0	5.0	11.0	16.0	30.0	22.0	*	14.8	16.0
<b>Totals</b>									
12 HR 7-19	*	2399.0	2147.0	2485.0	2493.0	1799.0	*	2359.0	2258.9
16 HR 6-22	*	2645.0	2366.0	2772.0	2748.0	1937.0	*	2603.6	2484.3
18 HR 6-24	*	2669.0	2410.0	2813.0	2824.0	2003.0	*	2646.4	2531.0
24 HR 0-24	*	2702.0	2446.0	2843.0	2859.0	2030.0	*	2679.9	2563.2
=====									
AM Peak	*	0800	0800	0800	0700	1000	*		
	*	222.0	204.0	208.0	213.0	207.0	*		
PM Peak	1500	1700	1600	1700	1500	1200	*		
	272.0	275.0	271.0	306.0	269.0	183.0	*		

\* - No data.

**Total Survey Duration for Sunset Ridge Road:  
09:00 a.m. Wednesday October 26, 2016 => 09:00a.m. Wednesday, November 2, 2016 (=7 Days)**

**Speed Statistics Vehicles Sunset Ridge Road SOUTH of Voltz Road**

**Posted speed limit= 35 mph**

**Exceeding = 26,874 (84.7%)**

**Mean Exceeding = 38.3 mph**

**Maximum = 64.5 mph**

**Minimum = 6.3 mph**

**Mean = 35.1 mph**

**Median = 35.3 mph**

**85% Speed = 39.1 mph**

# Speed Statistics Vehicles Sunset Ridge Road SOUTH of Voltz Road

**Total Survey Duration:** 09:00 a.m. Wednesday, October 26, 2016 => 09:00 a.m. Wednesday, November 2, 2016 (=7 Days)

**Direction:** Both Lanes

**Vehicles at this location** = 49,857

**Posted speed limit**= 35 mph, Exceeding = 26,874 (53.9%), Mean Exceeding = 38.8 mph

**Maximum** = 64.5mph

**Minimum** = 6.3 mph

**Mean** = 35.1 mph

**Median** = 35.3 mph

**85% Speed** = 39.1 mph

## Speed Bins

Speed	Bin	Below	Above
0 - 6	0 0.0%	0 0.0%	49857 100.0%
6 - 12	100 0.2%	100 0.2%	49757 99.8%
12 - 19	494 1.0%	594 1.2%	49263 98.8%
19 - 25	920 1.8%	1514 3.0%	48343 97.0%
25 - 31	5957 11.9%	7471 15.0%	42386 85.0%
31 - 37	27180 54.5%	34651 69.5%	15206 30.5%
37 - 43	13941 28.0%	48592 97.5%	1265 2.5%
43 - 50	1165 2.3%	49757 99.8%	100 0.2%
50 - 56	80 0.2%	49837 100.0%	20 0.0%
56 - 62	17 0.0%	49854 100.0%	3 0.0%
62 - 68	3 0.0%	49857 100.0%	0 0.0%
68 - 75	0 0.0%	49857 100.0%	0 0.0%
75 - 81	0 0.0%	49857 100.0%	0 0.0%
81 - 87	0 0.0%	49857 100.0%	0 0.0%
87 - 93	0 0.0%	49857 100.0%	0 0.0%
93 - 99	0 0.0%	49857 100.0%	0 0.0%
99 - 106	0 0.0%	49857 100.0%	0 0.0%
106 - 112	0 0.0%	49857 100.0%	0 0.0%
112 - 118	0 0.0%	49857 100.0%	0 0.0%
118 - 124	0 0.0%	49857 100.0%	0 0.0%

## Hour Bins

Time	Bin	Min	Max	Mean	Median	85%	95%	>PSL 30 mph
0000	196 0.4%	13.9	55.3	36.3	36.2	40.5	42.9	126 64.3%
0100	85 0.2%	19.0	49.3	35.8	35.6	40.5	44.3	48 56.5%
0200	56 0.1%	23.2	54.4	37.3	36.5	43.8	46.1	35 62.5%
0300	53 0.1%	23.9	58.4	37.3	36.9	42.1	47.9	36 67.9%
0400	132 0.3%	16.3	51.5	37.5	37.8	44.3	47.0	99 75.0%
0500	446 0.9%	16.3	63.7	37.5	37.4	42.5	46.8	315 70.6%
0600	1239 2.5%	18.9	58.9	36.8	36.7	41.2	44.3	836 67.5%
0700	2544 5.1%	13.0	58.1	35.6	35.8	39.4	42.1	1496 58.8%
0800	3444 6.9%	8.0	60.0	35.0	35.3	39.1	41.6	1899 55.1%
0900	2976 6.0%	10.2	54.3	35.1	35.3	39.6	42.1	1605 53.9%
1000	2951 5.9%	6.9	53.3	34.5	35.1	39.1	41.4	1516 51.4%
1100	3473 7.0%	7.0	51.0	34.6	34.9	38.7	41.6	1737 50.0%
1200	3518 7.1%	6.3	54.6	34.7	35.1	39.1	41.4	1875 53.3%
1300	3540 7.1%	6.9	53.0	35.0	35.3	39.1	41.6	1903 53.8%
1400	3693 7.4%	10.6	60.0	34.9	35.1	38.9	41.6	1897 51.4%
1500	4015 8.1%	10.5	62.4	34.8	34.9	38.9	41.4	2035 50.7%
1600	4585 9.2%	8.1	59.1	34.9	35.1	38.9	41.4	2395 52.2%
1700	4615 9.3%	6.8	49.5	34.5	34.9	38.5	40.7	2298 49.8%
1800	3157 6.3%	7.1	57.8	34.7	34.9	38.7	41.4	1553 49.2%
1900	1767 3.5%	8.7	56.2	35.6	35.8	39.6	42.3	1036 58.6%
2000	1218 2.4%	14.9	54.1	36.3	36.2	40.5	43.8	767 63.0%
2100	945 1.9%	18.3	64.5	36.5	36.2	40.7	44.3	593 62.8%
2200	691 1.4%	15.3	56.5	36.4	36.5	40.9	43.6	437 63.2%
2300	518 1.0%	15.6	60.5	36.6	36.5	40.9	43.6	337 65.1%
----	<b>49857 100.0%</b>	<b>6.3</b>	<b>64.5</b>	<b>35.1</b>	<b>35.3</b>	<b>39.1</b>	<b>41.8</b>	<b>26874 53.9%</b>



## Weekly Vehicle Counts Sunset Ridge Road SOUTH of Voltz Road (Virtual Week)

Hour Period	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Averages	
								MO - FR	MO - SU
0000-0100	24.0	17.0	22.0	14.0	23.0	55.0	41.0	20.0	28.0
0100-0200	7.0	10.0	7.0	6.0	6.0	25.0	24.0	7.2	12.1
0200-0300	6.0	7.0	5.0	10.0	6.0	11.0	11.0	6.8	8.0
0300-0400	7.0	3.0	9.0	8.0	11.0	6.0	9.0	7.6	7.6
0400-0500	27.0	21.0	23.0	18.0	20.0	11.0	12.0	21.8	18.9
0500-0600	61.0	79.0	89.0	82.0	78.0	35.0	22.0	77.8	63.7
0600-0700	215.0	225.0	230.0	212.0	236.0	75.0	46.0	223.6	177.0
0700-0800	437.0	468.0	434.0	477.0	442.0	183.0	103.0	451.6	363.4
0800-0900	<b>594.0&lt;</b>	<b>601.0&lt;</b>	<b>574.0&lt;</b>	<b>658.0&lt;</b>	<b>566.0&lt;</b>	286.0	165.0	<b>598.6&lt;</b>	492.0
0900-1000	412.0	466.0	456.0	499.0	509.0	375.0	259.0	468.4	425.1
1000-1100	448.0	423.0	397.0	413.0	485.0	451.0	334.0	433.2	421.6
1100-1200	457.0	503.0	429.0	624.0	561.0	<b>501.0&lt;</b>	<b>398.0&lt;</b>	514.8	<b>496.1&lt;</b>
1200-1300	456.0	545.0	479.0	541.0	552.0	<b>542.0&lt;</b>	403.0	514.6	502.6
1300-1400	504.0	502.0	427.0	570.0	558.0	512.0	467.0	512.2	505.7
1400-1500	501.0	558.0	497.0	579.0	574.0	503.0	<b>481.0&lt;</b>	541.8	527.6
1500-1600	596.0	575.0	570.0	576.0	692.0	532.0	474.0	601.8	573.6
1600-1700	<b>697.0&lt;</b>	757.0	694.0	774.0	<b>752.0&lt;</b>	468.0	443.0	734.8	655.0
1700-1800	568.0	<b>862.0&lt;</b>	<b>844.0&lt;</b>	<b>829.0&lt;</b>	686.0	432.0	394.0	<b>757.8&lt;</b>	<b>659.3&lt;</b>
1800-1900	379.0	575.0	512.0	548.0	478.0	361.0	304.0	498.4	451.0
1900-2000	222.0	309.0	265.0	323.0	256.0	198.0	194.0	275.0	252.4
2000-2100	175.0	182.0	182.0	240.0	176.0	148.0	115.0	191.0	174.0
2100-2200	105.0	153.0	158.0	150.0	154.0	126.0	99.0	144.0	135.0
2200-2300	79.0	96.0	110.0	109.0	115.0	125.0	57.0	101.8	98.7
2300-2400	47.0	63.0	49.0	64.0	123.0	117.0	55.0	69.2	74.0
<b>Totals</b>									
<b>12 HR 7-19</b>	6049.0	6835.0	6313.0	7088.0	6855.0	5146.0	4225.0	6628.0	6073.0
<b>16 HR 6-22</b>	6766.0	7704.0	7148.0	8013.0	7677.0	5693.0	4679.0	7461.6	6811.4
<b>18 HR 6-24</b>	6892.0	7863.0	7307.0	8186.0	7915.0	5935.0	4791.0	7632.6	6984.1
=====									
<b>24 HR 0-24</b>	7024.0	8000.0	7462.0	8324.0	8059.0	6078.0	4910.0	7773.8	7122.4
=====									
<b>AM Peak</b>	0800	0800	0800	0800	0800	1100	1100		
	594.0	601.0	574.0	658.0	566.0	501.0	398.0		
<b>PM Peak</b>	1600	1700	1700	1700	1600	1200	1400		
	697.0	862.0	844.0	829.0	752.0	542.0	481.0		

## **Speed Statistics Vehicles Sunset Ridge Road North of Voltz Road**

**Posted speed limit**= 35 mph

**Exceeding** = 39,794 (70.9%)

**Mean Exceeding** = 39.0 mph

**Maximum** = 80.2 mph

**Minimum** = 6.3 mph

**Mean** = 37 mph

**Median** = 36.9 mph

**85% Speed** = 40.9 mph

# Speed Statistics Vehicles Sunset Ridge Road North of Voltz Road

**Total Survey Duration:** 09:00 a.m. Wednesday, October 26, 2016 => 09:00 a.m. Wednesday, November 2, 2016 (=7 Days)

**Direction:** Both Lanes

**Vehicles at this location** = 56,079

**Posted speed limit**= 35 mph, Exceeding = 39,794 (70.9%), Mean Exceeding = 39 mph

**Maximum** = 80.2 mph

**Minimum** = 6.3 mph

**Mean** = 37 mph

**Median** = 36.9 mph

**85% Speed** = 40.9 mph

## Speed Bins

Speed	Bin	Below	Above
0 - 6	0 0.0%	0 0.0%	56079 100.0%
6 - 12	61 0.1%	61 0.1%	56018 99.9%
12 - 19	239 0.4%	300 0.5%	55779 99.5%
19 - 25	347 0.6%	647 1.2%	55432 98.8%
25 - 31	3333 5.9%	3980 7.1%	52099 92.9%
31 - 37	25259 45.0%	29239 52.1%	26840 47.9%
37 - 43	23808 42.5%	53047 94.6%	3032 5.4%
43 - 50	2825 5.0%	55872 99.6%	207 0.4%
50 - 56	180 0.3%	56052 100.0%	27 0.0%
56 - 62	21 0.0%	56073 100.0%	6 0.0%
62 - 68	4 0.0%	56077 100.0%	2 0.0%
68 - 75	1 0.0%	56078 100.0%	1 0.0%
75 - 81	1 0.0%	56079 100.0%	0 0.0%
81 - 87	0 0.0%	56079 100.0%	0 0.0%
87 - 93	0 0.0%	56079 100.0%	0 0.0%
93 - 99	0 0.0%	56079 100.0%	0 0.0%
99 - 106	0 0.0%	56079 100.0%	0 0.0%
106 - 112	0 0.0%	56079 100.0%	0 0.0%
112 - 118	0 0.0%	56079 100.0%	0 0.0%
118 - 124	0 0.0%	56079 100.0%	0 0.0%

## Hour Bins

Time	Bin	Min	Max	Mean	Median	85%	95%	>PSL 30 mph
0000	199 0.4%	16.2	57.2	37.7	37.6	41.6	45.2	149 74.9%
0100	99 0.2%	26.3	50.8	36.4	36.2	41.2	43.4	61 61.6%
0200	58 0.1%	27.6	50.4	38.9	39.1	44.1	48.8	45 77.6%
0300	62 0.1%	24.6	54.1	38.1	38.0	44.7	47.0	41 66.1%
0400	150 0.3%	14.5	55.0	38.7	38.5	44.5	47.9	119 79.3%
0500	472 0.8%	14.6	69.1	39.0	38.7	44.3	47.9	371 78.6%
0600	1277 2.3%	15.8	56.1	38.5	38.5	42.5	45.6	1041 81.5%
0700	3056 5.4%	15.0	61.9	37.3	37.4	41.2	43.8	2251 73.7%
0800	3916 7.0%	14.7	55.4	37.2	37.1	40.9	43.4	2879 73.5%
0900	3393 6.1%	6.7	55.0	37.0	37.1	41.2	43.6	2455 72.4%
1000	3384 6.0%	7.8	60.2	36.7	36.7	40.7	43.2	2345 69.3%
1100	3901 7.0%	6.3	55.2	36.7	36.7	40.7	43.2	2693 69.0%
1200	3944 7.0%	8.6	60.0	36.8	37.1	40.9	43.6	2866 72.7%
1300	4022 7.2%	9.5	58.6	37.0	36.9	40.9	43.4	2833 70.4%
1400	4087 7.3%	9.4	64.7	36.8	36.9	40.7	43.4	2899 70.9%
1500	4559 8.1%	11.8	63.6	36.7	36.7	40.5	43.2	3163 69.4%
1600	5217 9.3%	7.9	51.0	36.7	36.7	40.5	42.9	3587 68.8%
1700	5231 9.3%	14.2	53.0	36.5	36.5	40.0	42.5	3506 67.0%
1800	3469 6.2%	12.3	64.0	36.5	36.5	40.0	42.5	2320 66.9%
1900	1941 3.5%	16.9	57.7	37.4	37.1	41.2	43.8	1430 73.7%
2000	1369 2.4%	16.3	55.9	37.8	37.6	42.3	44.7	1006 73.5%
2100	1028 1.8%	15.2	80.2	37.9	37.6	42.1	45.4	772 75.1%
2200	726 1.3%	15.5	58.1	38.2	37.8	42.5	45.6	556 76.6%
2300	519 0.9%	17.4	57.5	38.3	38.5	42.5	45.4	406 78.2%
----	56079 100.0%	6.3	80.2	37.0	36.9	40.9	43.6	39794 71.0%

## Weekly Vehicle Counts Sunset Ridge Road NORTH of Voltz Road (Virtual Week)

Hour Period	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Averages		
								MO - FR	MO - SU	
0000-0100	25.0	21.0	20.0	12.0	24.0	48.0	49.0	20.4	28.4	
0100-0200	12.0	15.0	9.0	9.0	9.0	22.0	23.0	10.8	14.1	
0200-0300	4.0	7.0	8.0	9.0	8.0	11.0	11.0	7.2	8.3	
0300-0400	8.0	5.0	11.0	12.0	9.0	7.0	10.0	9.0	8.9	
0400-0500	28.0	23.0	27.0	22.0	23.0	12.0	15.0	24.6	21.4	
0500-0600	74.0	86.0	85.0	90.0	86.0	32.0	19.0	84.2	67.4	
0600-0700	224.0	238.0	238.0	219.0	236.0	74.0	48.0	231.0	182.4	
0700-0800	542.0	558.0	531.0	560.0	553.0	199.0	113.0	548.8	436.6	
0800-0900	<b>693.0&lt;</b>	<b>693.0&lt;</b>	<b>636.0&lt;</b>	<b>716.0&lt;</b>	<b>636.0&lt;</b>	340.0	202.0	<b>674.8&lt;</b>	<b>559.4&lt;</b>	
0900-1000	477.0	536.0	516.0	552.0	578.0	430.0	304.0	531.8	484.7	
1000-1100	484.0	465.0	457.0	470.0	547.0	536.0	425.0	484.6	483.4	
1100-1200	543.0	558.0	476.0	690.0	614.0	<b>556.0&lt;</b>	<b>464.0&lt;</b>	576.2	557.3	
1200-1300	528.0	593.0	551.0	566.0	649.0	586.0	471.0	577.4	563.4	
1300-1400	567.0	583.0	508.0	618.0	628.0	590.0	528.0	580.8	574.6	
1400-1500	587.0	581.0	541.0	631.0	634.0	583.0	<b>530.0&lt;</b>	594.8	583.9	
1500-1600	707.0	635.0	676.0	647.0	794.0	<b>592.0&lt;</b>	508.0	691.8	651.3	
1600-1700	<b>767.0&lt;</b>	861.0	814.0	891.0	<b>892.0&lt;</b>	498.0	494.0	845.0	745.3	
1700-1800	644.0	<b>980.0&lt;</b>	<b>926.0&lt;</b>	<b>964.0&lt;</b>	779.0	493.0	445.0	<b>858.6&lt;</b>	<b>747.3&lt;</b>	
1800-1900	413.0	661.0	537.0	602.0	519.0	419.0	318.0	546.4	495.6	
1900-2000	239.0	335.0	295.0	358.0	282.0	211.0	221.0	301.8	277.3	
2000-2100	196.0	212.0	201.0	256.0	208.0	169.0	127.0	214.6	195.6	
2100-2200	118.0	167.0	161.0	174.0	177.0	125.0	106.0	159.4	146.9	
2200-2300	91.0	100.0	104.0	110.0	127.0	137.0	57.0	106.4	103.7	
2300-2400	49.0	61.0	49.0	53.0	131.0	119.0	57.0	68.6	74.1	
<b>Totals</b>										
<b>12 HR 7-19</b>	6952.0	7704.0	7169.0	7907.0	7823.0	5822.0	4802.0	7511.0	6882.7	
<b>16 HR 6-22</b>	7729.0	8656.0	8064.0	8914.0	8726.0	6401.0	5304.0	8417.8	7684.9	
<b>18 HR 6-24</b>	7869.0	8817.0	8217.0	9077.0	8984.0	6657.0	5418.0	8592.8	7862.7	
<b>24 HR 0-24</b>	8020.0	8974.0	8377.0	9231.0	9143.0	6789.0	5545.0	8749.0	8011.3	
<b>AM Peak</b>	0800	0800	0800	0800	0800	1100	1100			
	693.0	693.0	636.0	716.0	636.0	556.0	464.0			
<b>PM Peak</b>	1600	1700	1700	1700	1600	1500	1400			
	767.0	980.0	926.0	964.0	892.0	592.0	530.0			

## **Speed Statistics Vehicles Sunset Ridge Road North of Rosewood Court**

**Posted speed limit**= 35 mph

**Exceeding** = 34,516 (59.2%)

**Mean Exceeding** = 38.3 mph

**Maximum** = 87.1 mph

**Minimum** = 7.2 mph

**Mean** = 35.8 mph

**Median** = 35.8 mph

**85% Speed** = 39.6 mph

# Speed Statistics Vehicles Sunset Ridge Road North of Rosewood Court

**Total Survey Duration:** 09:00 a.m. Wednesday, October 26, 2016 => 09:00 a.m. Wednesday, November 2, 2016 (=2 Days)

**Direction:** Both Lanes

**Vehicles at this location** = 58,240

**Posted speed limit**= 35 mph, Exceeding = 34,516 (59.2%), Mean Exceeding = 38.3 mph

**Maximum** = 87.1 mph

**Minimum** = 7.2 mph

**Mean** = 35.8 mph

**Median** = 35.8 mph

**85% Speed** = 39.6 mph

## Speed Bins

Speed	Bin	Below	Above
0 - 6	0 0.0%	0 0.0%	58240 100.0%
6 - 12	25 0.0%	25 0.0%	58215 100.0%
12 - 19	90 0.2%	115 0.2%	58125 99.8%
19 - 25	422 0.7%	537 0.9%	57703 99.1%
25 - 31	5310 9.1%	5847 10.0%	52393 90.0%
31 - 37	32497 55.8%	38344 65.8%	19896 34.2%
37 - 43	18192 31.2%	56536 97.1%	1704 2.9%
43 - 50	1569 2.7%	58105 99.8%	135 0.2%
50 - 56	109 0.2%	58214 100.0%	26 0.0%
56 - 62	14 0.0%	58228 100.0%	12 0.0%
62 - 68	9 0.0%	58237 100.0%	3 0.0%
68 - 75	1 0.0%	58238 100.0%	2 0.0%
75 - 81	0 0.0%	58238 100.0%	2 0.0%
81 - 87	0 0.0%	58238 100.0%	2 0.0%
87 - 93	2 0.0%	58240 100.0%	0 0.0%
93 - 99	0 0.0%	58240 100.0%	0 0.0%
99 - 106	0 0.0%	58240 100.0%	0 0.0%
106 - 112	0 0.0%	58240 100.0%	0 0.0%
112 - 118	0 0.0%	58240 100.0%	0 0.0%
118 - 124	0 0.0%	58240 100.0%	0 0.0%

## Hour Bins

Time	Bin	Min	Max	Mean	Median	85%	95%	>PSL 30 mph
0000	208 0.4%	24.2	54.9	36.1	36.0	39.8	43.2	126 60.6%
0100	88 0.2%	21.5	54.3	35.0	34.9	38.5	41.8	42 47.7%
0200	58 0.1%	26.5	55.5	37.7	36.2	42.5	46.8	37 63.8%
0300	46 0.1%	24.8	52.1	37.5	36.7	42.9	48.3	33 71.7%
0400	149 0.3%	13.2	52.4	37.6	37.8	42.9	47.2	109 73.2%
0500	452 0.8%	8.4	61.9	37.4	36.9	41.8	44.7	319 70.6%
0600	1263 2.2%	18.4	53.2	36.3	36.2	40.5	42.9	804 63.7%
0700	2999 5.1%	15.8	61.7	35.6	35.6	39.4	41.8	1709 57.0%
0800	4068 7.0%	14.1	53.7	35.6	35.6	38.9	41.4	2372 58.3%
0900	3550 6.1%	7.8	54.7	35.7	35.6	39.6	42.1	2059 58.0%
1000	3620 6.2%	8.4	58.6	35.8	35.8	39.6	42.1	2157 59.6%
1100	4188 7.2%	12.8	55.6	35.9	36.0	39.6	42.1	2538 60.6%
1200	4111 7.1%	10.7	56.5	36.1	36.0	39.6	42.1	2546 61.9%
1300	4145 7.1%	9.5	57.4	36.1	36.0	39.8	42.5	2574 62.1%
1400	4337 7.4%	9.7	62.9	35.8	35.8	39.4	42.1	2569 59.2%
1500	4732 8.1%	8.6	65.9	35.7	35.6	39.6	42.1	2714 57.4%
1600	5392 9.3%	7.2	87.1	35.8	35.8	39.4	41.8	3265 60.6%
1700	5483 9.4%	13.3	55.6	35.6	35.6	39.1	41.4	3201 58.4%
1800	3605 6.2%	20.6	64.2	35.2	35.1	38.5	41.2	1880 52.1%
1900	2042 3.5%	18.5	69.7	35.8	35.6	39.6	42.3	1194 58.5%
2000	1381 2.4%	19.6	53.6	36.0	35.8	40.3	43.4	815 59.0%
2100	1076 1.8%	13.6	63.7	36.1	35.8	40.0	43.4	650 60.4%
2200	708 1.2%	22.8	55.3	36.6	36.2	40.5	43.6	450 63.6%
2300	539 0.9%	15.9	59.0	36.7	36.5	40.5	44.1	353 65.5%
----	<b>58240 100.0%</b>	<b>7.2</b>	<b>87.1</b>	<b>35.8</b>	<b>35.8</b>	<b>39.6</b>	<b>42.1</b>	<b>34516 59.3%</b>

## Weekly Vehicle Counts Sunset Ridge Road NORTH of Rosewood Court (Virtual Week)

Hour Period	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Averages	
								MO - FR	MO - SU
0000-0100	22.0	20.0	24.0	17.0	26.0	54.0	45.0	21.8	29.7
0100-0200	9.0	10.0	10.0	7.0	9.0	23.0	20.0	9.0	12.6
0200-0300	2.0	7.0	10.0	9.0	7.0	11.0	12.0	7.0	8.3
0300-0400	5.0	2.0	9.0	5.0	10.0	7.0	8.0	6.2	6.6
0400-0500	26.0	24.0	25.0	22.0	23.0	15.0	14.0	24.0	21.3
0500-0600	70.0	87.0	80.0	86.0	79.0	33.0	17.0	80.4	64.6
0600-0700	224.0	241.0	238.0	203.0	226.0	79.0	52.0	226.4	180.4
0700-0800	535.0	520.0	538.0	536.0	533.0	208.0	129.0	532.4	428.4
0800-0900	<b>697.0&lt;</b>	<b>707.0&lt;</b>	<b>649.0&lt;</b>	<b>725.0&lt;</b>	<b>710.0&lt;</b>	343.0	237.0	<b>697.6&lt;</b>	581.1
0900-1000	499.0	572.0	551.0	588.0	590.0	437.0	313.0	560.0	507.1
1000-1100	509.0	532.0	452.0	509.0	618.0	584.0	416.0	524.0	517.1
1100-1200	628.0	603.0	530.0	671.0	638.0	<b>616.0&lt;</b>	<b>502.0&lt;</b>	614.0	<b>598.3&lt;</b>
1200-1300	562.0	624.0	572.0	584.0	673.0	579.0	517.0	603.0	587.3
1300-1400	590.0	626.0	522.0	621.0	610.0	<b>626.0&lt;</b>	<b>550.0&lt;</b>	593.8	592.1
1400-1500	592.0	641.0	574.0	703.0	688.0	598.0	541.0	639.6	619.6
1500-1600	745.0	666.0	693.0	661.0	810.0	623.0	534.0	715.0	676.0
1600-1700	<b>792.0&lt;</b>	866.0	862.0	902.0	<b>918.0&lt;</b>	521.0	531.0	868.0	770.3
1700-1800	669.0	<b>1036.0&lt;</b>	<b>990.0&lt;</b>	<b>968.0&lt;</b>	820.0	521.0	479.0	<b>896.6&lt;</b>	<b>783.3&lt;</b>
1800-1900	415.0	684.0	570.0	613.0	566.0	434.0	323.0	569.6	515.0
1900-2000	261.0	357.0	310.0	380.0	284.0	222.0	228.0	318.4	291.7
2000-2100	198.0	199.0	218.0	271.0	195.0	162.0	138.0	216.2	197.3
2100-2200	127.0	173.0	172.0	172.0	187.0	140.0	105.0	166.2	153.7
2200-2300	94.0	93.0	99.0	114.0	129.0	130.0	49.0	105.8	101.1
2300-2400	47.0	65.0	48.0	54.0	132.0	135.0	58.0	69.2	77.0
<b>Totals</b>									
12 HR 7-19	7233.0	8077.0	7503.0	8081.0	8174.0	6090.0	5072.0	7813.6	7175.7
16 HR 6-22	8043.0	9047.0	8441.0	9107.0	9066.0	6693.0	5595.0	8740.8	7998.9
18 HR 6-24	8184.0	9205.0	8588.0	9275.0	9327.0	6958.0	5702.0	8915.8	8177.0
24 HR 0-24	8318.0	9355.0	8746.0	9421.0	9481.0	7101.0	5818.0	9064.2	8320.0
=====									
AM Peak	0800	0800	0800	0800	0800	1100	1100		
	697.0	707.0	649.0	725.0	710.0	616.0	502.0		
PM Peak	1600	1700	1700	1700	1600	1300	1300		
	792.0	1036.0	990.0	968.0	918.0	626.0	550.0		

**Site:** [VOLTZ ROAD] WEST OF GRANT ROAD  
**Identifier:** K169Y700 MC56-6 [MC55]  
[VOLTZ ROAD] EAST OF GRANT ROAD  
K026CJTD MC56-L5 [MC55]  
[SUNSET RIDGE ROAD] SOUTH OF VOLTZ ROAD  
K1641TTY MC56-6 [MC55]  
[SUNSET RIDGE ROAD] NORTH OF VOLTZ ROAD  
K031GKA3 MC56-6 [MC55]  
[SUNSET RIDGE ROAD] NORTH OF ROSEWOOD CT  
K0278WCE MC56-6 [MC55]

**Profile:**  
**Included classes:** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13  
**Speed range:** 6 - 90 mph.