

---

# Memorandum

The City of Traverse City  
Engineering Department



---

TO: Timothy J. Lodge, P.E., City Engineer  
FROM: Abhishek Deora, Seasonal Engineering Aide  
DATE: Thursday, August 3rd, 2017  
SUBJECT: 24 Hour Speed and Volume of 11th St between Division St and Elmwood Ave

City Engineering performed a 24 hour speed study on 11th St between Division St and Elmwood Ave beginning on Wednesday, August 3rd, 2017 concluded Thursday, August 4th, 2017. This memo is to formalize City Engineering's initial data observations and findings with to the speed statistics and volume of vehicular traffic on 11th St.

The data was gathered using a JAMAR Radar Recorder, this data recorder collects both vehicle speed and volume using radar sensors in both Northbound and Southbound lanes. The raw data compiled and analyzed using TraxPro and reported vehicle speed count for every hour during the study in the increments of 5 miles per hour. The TraxPro software also compiled a report to be sent Traverse City Police Department to evaluate the possible percentage of enforceable violations. This data is organized into a small colored meter where red means there is a high enforcement potential and green equates to a low amount of speed infractions are occurring. For this report, the enforceable minimum speed a vehicle would need to be traveling is 5 miles per hour over the posted speed limit of 25 miles per hour.

During this 24 hour study, 6134 vehicles were recorded. The average (mean) speed of the 6134 vehicles is 31 miles per hour, with 89.8% of all vehicles traveling at speeds greater than the posted limit of 25 miles per hour. Giving motorist an extra 5 miles per hour over the posted speed limit for enforcement tolerance, the number of vehicles speeding is 53.6%.

## Summary (Combined):

- **Mean Speed:** 31 MPH
- **Number of Vehicles above Posted Speed Limit** 89.8%
- **85<sup>th</sup> Percentile of Speed:** 34 MPH
- **95<sup>th</sup> Percentile of Speed:** 38 MPH

## Enclosed:

Detailed TraxPro Speed Reports (Combined and Directional)  
TraxPro Police Enforcement Reports

11th St  
Btw Division St and Elmwood Ave  
Speed

Site Code: 00000001  
Station ID:

Latitude: 0' 0.0000 South

A=Eastbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
08/02/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	6	27	90	112	20	4	0	0	0	0	0	0	0	259	26-35	202
16:00	0	0	17	81	106	34	6	0	0	0	0	0	0	0	244	26-35	187
17:00	0	1	18	75	87	31	2	1	0	0	0	0	0	0	215	26-35	162
18:00	0	3	12	38	60	25	6	0	0	0	0	0	0	0	144	26-35	98
19:00	1	4	9	46	72	20	3	1	0	0	0	0	0	0	156	26-35	118
20:00	0	0	10	29	37	11	0	1	0	0	0	0	0	0	88	26-35	66
21:00	0	3	11	29	33	8	2	0	0	0	0	0	0	0	86	26-35	62
22:00	1	3	10	37	33	8	1	0	0	0	0	0	0	0	93	26-35	70
23:00	1	0	9	20	23	14	1	1	0	0	0	0	0	0	69	26-35	43
Total	3	20	123	445	563	171	25	4	0	0	0	0	0	0	1354		
Percent	0.2%	1.5%	9.1%	32.9%	41.6%	12.6%	1.8%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	19:00	15:00	15:00	15:00	15:00	16:00	16:00	17:00							15:00		
	1	6	27	90	112	34	6	1							259		

11th St  
Btw Division St and Elmwood Ave  
Speed

Site Code: 00000001  
Station ID:

Latitude: 0' 0.0000 South

A=Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
08/03/17	0	0	3	5	13	5	1	0	0	0	0	0	0	0	27	26-35	18
01:00	0	1	2	8	4	3	0	0	0	0	0	0	0	0	18	25-34	12
02:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	25-34	2
03:00	0	0	2	2	2	2	0	0	0	0	0	0	0	0	8	20-29	4
04:00	0	0	3	3	1	0	0	0	0	0	0	0	0	0	7	21-30	6
05:00	0	0	4	2	6	3	1	0	0	0	0	0	0	0	16	29-38	9
06:00	0	1	0	15	22	9	2	1	0	0	0	0	0	0	50	26-35	37
07:00	0	1	3	32	66	28	3	0	1	0	0	0	0	0	134	26-35	98
08:00	0	0	7	25	44	10	0	0	0	0	0	0	0	0	86	26-35	69
09:00	1	5	5	49	73	15	1	0	0	0	0	0	0	0	149	26-35	122
10:00	0	1	6	65	60	21	3	0	0	0	0	0	0	0	156	26-35	125
11:00	0	0	18	79	78	26	1	0	0	0	0	0	0	0	202	26-35	157
12 PM	0	0	24	95	79	22	3	0	0	0	0	0	0	0	223	26-35	174
13:00	0	0	16	78	68	19	3	1	0	0	0	0	0	0	185	26-35	146
14:00	0	1	27	110	89	20	3	0	0	0	0	0	0	0	250	26-35	199
15:00	4	3	24	59	59	16	0	0	0	0	0	0	0	0	165	26-35	118
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	5	13	144	627	666	199	21	2	1	0	0	0	0	0	1678		
Percent	0.3%	0.8%	8.6%	37.4%	39.7%	11.9%	1.3%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	09:00	11:00	11:00	11:00	07:00	07:00	06:00	07:00						11:00		
Vol.	1	5	18	79	78	28	3	1	1						202		
PM Peak	15:00	15:00	14:00	14:00	14:00	12:00	12:00	13:00							14:00		
Vol.	4	3	27	110	89	22	3	1							250		
Total	8	33	267	1072	1229	370	46	6	1	0	0	0	0	0	3032		
Percent	0.3%	1.1%	8.8%	35.4%	40.5%	12.2%	1.5%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2301  
Percent in Pace : 75.9%  
Number of Vehicles > 25 MPH : 2724  
Percent of Vehicles > 25 MPH : 89.8%  
Mean Speed(Average) : 31 MPH

11th St  
Btw Division St and Elmwood Ave  
Speed

Site Code: 00000001  
Station ID:

Latitude: 0' 0.0000 South

B=Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	80	Total	Pace Speed	Number in Pace
08/02/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	4	15	72	66	26	2	0	0	0	0	0	0	0	185	26-35	138
16:00	0	1	16	68	76	23	4	1	1	0	0	0	0	0	190	26-35	144
17:00	0	0	9	47	81	24	5	0	0	0	0	0	0	0	166	26-35	128
18:00	1	1	11	50	88	36	4	1	0	0	0	0	0	0	192	26-35	138
19:00	0	0	17	39	34	10	2	0	0	0	0	0	0	0	102	26-35	73
20:00	0	1	1	23	18	12	2	1	0	0	0	0	0	0	58	26-35	41
21:00	0	2	3	33	14	11	0	0	0	0	0	0	0	0	63	26-35	47
22:00	1	2	9	20	19	5	0	0	0	0	0	0	0	0	56	26-35	39
23:00	0	0	2	5	6	4	0	0	0	0	0	0	0	0	17	26-35	11
Total	2	11	83	357	402	151	19	3	1	0	0	0	0	0	1029		
Percent	0.2%	1.1%	8.1%	34.7%	39.1%	14.7%	1.8%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	18:00	15:00	19:00	15:00	18:00	18:00	17:00	16:00	16:00						18:00		
	1	4	17	72	88	36	5	1	1						192		

11th St  
Btw Division St and Elmwood Ave  
Speed

Site Code: 00000001  
Station ID:

Latitude: 0' 0.0000 South

B=Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
08/03/17	0	1	1	7	3	2	0	0	0	0	0	0	0	0	14	26-35	10
01:00	0	0	1	1	3	1	0	0	0	0	0	0	0	0	6	31-40	4
02:00	1	0	0	5	1	1	0	0	0	0	0	0	0	0	8	24-33	6
03:00	0	0	0	2	2	2	0	1	0	0	0	0	0	0	7	31-40	4
04:00	0	0	4	4	5	6	1	0	0	0	0	0	0	0	20	30-39	11
05:00	0	1	10	49	22	12	2	0	0	0	0	0	0	0	96	26-35	71
06:00	0	1	17	87	<b>108</b>	<b>41</b>	<b>6</b>	0	0	0	0	0	0	0	<b>260</b>	26-35	195
07:00	0	0	14	83	105	39	5	0	0	0	0	0	0	0	246	26-35	188
08:00	<b>3</b>	0	9	68	106	39	4	1	<b>1</b>	0	0	0	0	0	231	26-35	174
09:00	0	<b>3</b>	26	71	91	26	2	0	0	0	0	0	0	0	219	26-35	162
10:00	0	0	20	<b>103</b>	71	20	3	0	0	0	0	0	0	0	217	26-35	174
11:00	1	0	<b>29</b>	90	82	20	1	0	0	0	0	0	0	0	223	26-35	172
12 PM	0	0	<b>41</b>	99	89	23	4	0	0	0	0	0	0	0	256	26-35	188
13:00	0	0	15	106	86	27	<b>8</b>	<b>1</b>	0	0	0	0	0	0	243	26-35	192
14:00	<b>2</b>	<b>4</b>	31	<b>111</b>	<b>98</b>	<b>32</b>	2	0	0	0	0	0	0	0	<b>280</b>	26-35	209
15:00	0	2	19	37	35	8	3	0	0	0	0	0	0	0	104	26-35	72
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	7	12	237	923	907	299	41	3	1	0	0	0	0	0	2430		
Percent	0.3%	0.5%	9.8%	38.0%	37.3%	12.3%	1.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	11:00	10:00	06:00	06:00	06:00	03:00	08:00						06:00		
Vol.	3	3	29	103	108	41	6	1	1						260		
PM Peak	14:00	14:00	12:00	14:00	14:00	14:00	13:00	13:00							14:00		
Vol.	2	4	41	111	98	32	8	1							280		
Total	9	23	320	1280	1309	450	60	6	2	0	0	0	0	0	3459		
Percent	0.3%	0.7%	9.3%	37.0%	37.8%	13.0%	1.7%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 30 MPH  
85th Percentile : 34 MPH  
95th Percentile : 38 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 2589  
Percent in Pace : 74.8%  
Number of Vehicles > 25 MPH : 3107  
Percent of Vehicles > 25 MPH : 89.8%  
Mean Speed(Average) : 31 MPH

11th St  
Btw Division St and Elmwood Ave  
Speed

Site Code: 00000001  
Station ID:

Latitude: 0' 0.0000 South

A=Eastbound, B=Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
08/02/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	<b>10</b>	<b>42</b>	<b>162</b>	178	46	6	0	0	0	0	0	0	0	<b>444</b>	26-35	340
16:00	0	1	33	149	<b>182</b>	57	<b>10</b>	1	<b>1</b>	0	0	0	0	0	434	26-35	331
17:00	0	1	27	122	168	55	7	1	0	0	0	0	0	0	381	26-35	290
18:00	1	4	23	88	148	<b>61</b>	10	1	0	0	0	0	0	0	336	26-35	236
19:00	1	4	26	85	106	30	5	1	0	0	0	0	0	0	258	26-35	191
20:00	0	1	11	52	55	23	2	<b>2</b>	0	0	0	0	0	0	146	26-35	107
21:00	0	5	14	62	47	19	2	0	0	0	0	0	0	0	149	26-35	109
22:00	<b>2</b>	5	19	57	52	13	1	0	0	0	0	0	0	0	149	26-35	109
23:00	1	0	11	25	29	18	1	1	0	0	0	0	0	0	86	26-35	54
Total	5	31	206	802	965	322	44	7	1	0	0	0	0	0	2383		
Percent	0.2%	1.3%	8.6%	33.7%	40.5%	13.5%	1.8%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	22:00	15:00	15:00	15:00	16:00	18:00	16:00	20:00	16:00						15:00		
	2	10	42	162	182	61	10	2	1						444		

11th St  
 Btw Division St and Elmwood Ave  
 Speed

Site Code: 00000001  
 Station ID:

Latitude: 0' 0.0000 South

A=Eastbound, B=Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
08/03/17	0	1	4	12	16	7	1	0	0	0	0	0	0	0	41	26-35	28
01:00	0	1	3	9	7	4	0	0	0	0	0	0	0	0	24	26-35	16
02:00	1	0	0	5	3	1	0	0	0	0	0	0	0	0	10	26-35	8
03:00	0	0	2	4	4	4	0	1	0	0	0	0	0	0	15	25-34	8
04:00	0	0	7	7	6	6	1	0	0	0	0	0	0	0	27	21-30	14
05:00	0	1	14	51	28	15	3	0	0	0	0	0	0	0	112	26-35	79
06:00	0	2	17	102	130	50	8	1	0	0	0	0	0	0	310	26-35	232
07:00	0	1	17	115	171	67	8	0	1	0	0	0	0	0	380	26-35	286
08:00	3	0	16	93	150	49	4	1	1	0	0	0	0	0	317	26-35	243
09:00	1	8	31	120	164	41	3	0	0	0	0	0	0	0	368	26-35	284
10:00	0	1	26	168	131	41	6	0	0	0	0	0	0	0	373	26-35	299
11:00	1	0	47	169	160	46	2	0	0	0	0	0	0	0	425	26-35	329
12 PM	0	0	65	194	168	45	7	0	0	0	0	0	0	0	479	26-35	362
13:00	0	0	31	184	154	46	11	2	0	0	0	0	0	0	428	26-35	338
14:00	2	5	58	221	187	52	5	0	0	0	0	0	0	0	530	26-35	408
15:00	4	5	43	96	94	24	3	0	0	0	0	0	0	0	269	26-35	190
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	12	25	381	1550	1573	498	62	5	2	0	0	0	0	0	4108		
Percent	0.3%	0.6%	9.3%	37.7%	38.3%	12.1%	1.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	11:00	11:00	07:00	07:00	06:00	03:00	07:00						11:00		
Vol.	3	8	47	169	171	67	8	1	1						425		
PM Peak	15:00	14:00	12:00	14:00	14:00	14:00	13:00	13:00							14:00		
Vol.	4	5	65	221	187	52	11	2							530		
Total	17	56	587	2352	2538	820	106	12	3	0	0	0	0	0	6491		
Percent	0.3%	0.9%	9.0%	36.2%	39.1%	12.6%	1.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
 50th Percentile : 30 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 38 MPH

Stats  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 4890  
 Percent in Pace : 75.3%  
 Number of Vehicles > 25 MPH : 5831  
 Percent of Vehicles > 25 MPH : 89.8%  
 Mean Speed(Average) : 31 MPH

11th St  
Btw Division St and Elmwood Ave  
Speed

Site Code: 0000001  
Station ID:

Latitude: 0' 0.0000 South

Start Time	31-Jul-17 Mon	01-Aug-17 Tue	02-Aug-17 Wed	03-Aug-17 Thu	04-Aug-17 Fri	Weekday Average	05-Aug-17 Sat	06-Aug-17 Sun
12:00 AM	*	*	*	41	*	41	*	*
01:00	*	*	*	24	*	24	*	*
02:00	*	*	*	10	*	10	*	*
03:00	*	*	*	15	*	15	*	*
04:00	*	*	*	27	*	27	*	*
05:00	*	*	*	112	*	112	*	*
06:00	*	*	*	310	*	310	*	*
07:00	*	*	*	380	*	380	*	*
08:00	*	*	*	317	*	317	*	*
09:00	*	*	*	368	*	368	*	*
10:00	*	*	*	373	*	373	*	*
11:00	*	*	*	425	*	425	*	*
12:00 PM	*	*	*	479	*	479	*	*
01:00	*	*	*	428	*	428	*	*
02:00	*	*	*	530	*	530	*	*
03:00	*	*	444	269	*	356	*	*
04:00	*	*	434	*	*	434	*	*
05:00	*	*	381	*	*	381	*	*
06:00	*	*	336	*	*	336	*	*
07:00	*	*	258	*	*	258	*	*
08:00	*	*	146	*	*	146	*	*
09:00	*	*	149	*	*	149	*	*
10:00	*	*	149	*	*	149	*	*
11:00	*	*	86	*	*	86	*	*
Total	0	0	2383	4108	0		0	0
Percentage	0.0%	0.0%	38.8%	67.0%	0.0%		0.0%	0.0%
AM Peak	-	-	-	11:00	-	-	-	-
Vol.	-	-	-	425	-	-	-	-
PM Peak	-	-	15:00	14:00	-	-	-	-
Vol.	-	-	444	530	-	-	-	-
Total		0	2383					



# Speed Enforcement Evaluator

**Location:**  
**11th St**

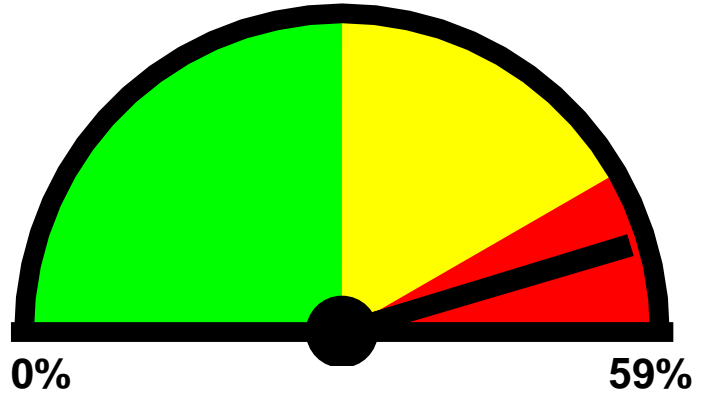
**Total Percentage of  
Enforceable Violations**

**GPS:**  
0' 0.0000 South  
0' 0.0000 East

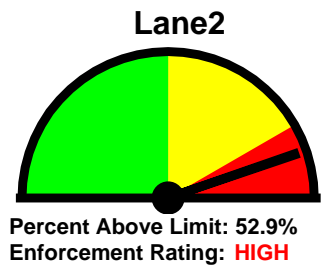
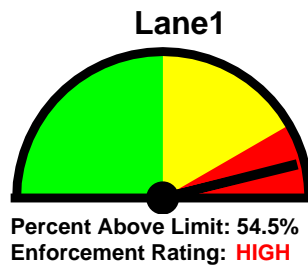
**Closest Cross Street:**  
Btw Division St & Elmwood Ave

**Analysis Dates:**  
Wednesday, August 02, 2017  
Thursday, August 03, 2017

**Equipment Used:**



**0%** **59%**  
**Posted Speed Limit:** 25 MPH  
**Enforcement Tolerance:** 5 MPH  
**Enforcement Limit:** 31 MPH & Up  
**Percentage Above Limit:** 53.6%  
**Enforcement Rating:** **HIGH**



Combined

1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	>65
0	1	12	56	587	2352	2538	820	106	12	3	0	0	0

85 percentile = 35

Lane1

1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	>65
0	0	7	33	267	1072	1229	370	46	6	1	0	0	0

85 percentile = 34

Lane2

1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	>65
0	1	5	23	320	1280	1309	450	60	6	2	0	0	0

85 percentile = 35

# Best Times for Enforcement

**Location:**  
**11th St**  
**Closest Cross Street:**  
Btw Division St & Elmwood Ave

**Analysis Dates:**  
Wednesday, August 02, 2017  
Thursday, August 03, 2017

Sun

Mon

Tue

Wed

Combined: 4 PM to 6 PM

Lane1: 3 PM to 5 PM

Lane2: 5 PM to 7 PM

Thu

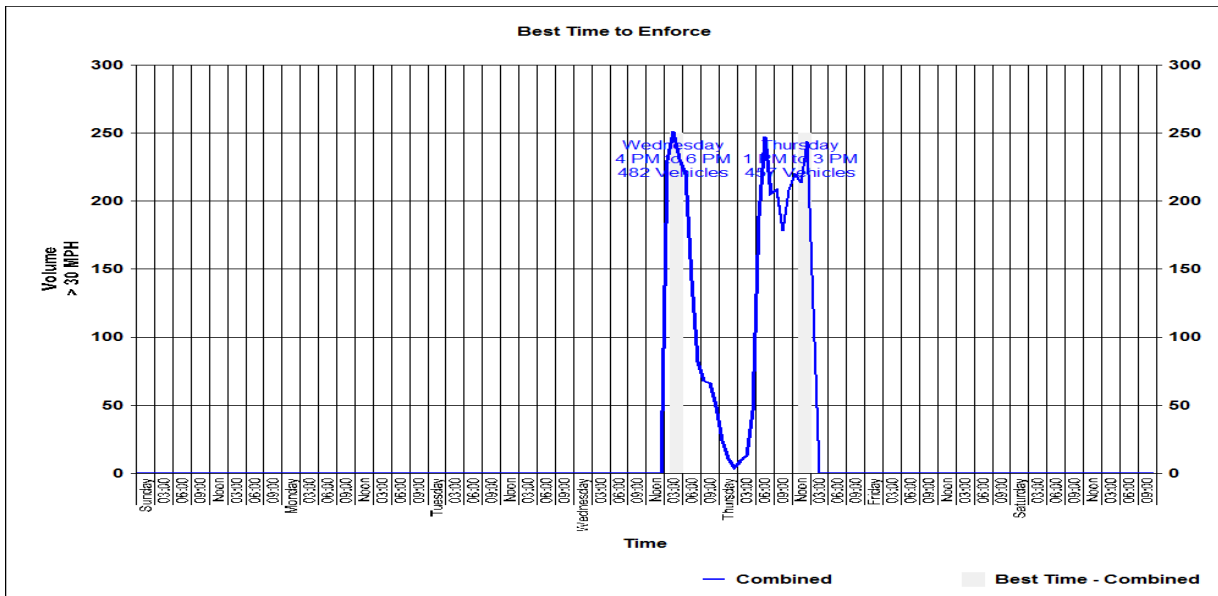
Combined: 1 PM to 3 PM

Lane1: 11 AM to 1 PM

Lane2: 6 AM to 8 AM

Fri

Sat



11th St  
Between Division St & Elmwood Ave  
Speed

