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# Memorandum

The City of Traverse City  
Engineering Department



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TO: Timothy J. Lodge, P.E., City Engineer  
FROM: Abhishek Deora, Seasonal Engineering Aide  
DATE: Thursday, June 8th, 2017  
SUBJECT: 24 Hour Speed and Volume of Hannah Ave between Grant St and Rose St

**City Engineering performed a 24 hour speed study on Hannah Ave between Grant St and Rose St beginning on Tuesday, June 6th, 2017 concluded Wednesday, June 7th, 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 Hannah Ave.**

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, 4607 vehicles were recorded. The average (mean) speed of the 4607 vehicles is 29 miles per hour, with 76.2% 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 31.3%.

## Summary (Combined):

- **Mean Speed:** 28 MPH
- **Number of Vehicles above Posted Speed Limit** 76.2%
- **85<sup>th</sup> Percentile of Speed:** 33 MPH
- **95<sup>th</sup> Percentile of Speed:** 35 MPH

## Enclosed:

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

Hannah Ave  
Between Grant and Rose St  
Speed

Site Code: 00000001  
Station ID:

Latitude: 0' 0.0000 Undefined

A= Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
06/06/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	6	7	47	120	29	1	0	0	0	0	0	0	0	0	210	21-30	167
16:00	10	2	59	136	43	4	0	0	0	0	0	0	0	0	254	21-30	195
17:00	3	2	37	131	45	1	0	0	0	0	0	0	0	0	219	26-35	176
18:00	1	3	33	59	13	2	0	0	0	0	0	0	0	0	111	21-30	92
19:00	2	4	13	31	10	1	0	0	0	0	0	0	0	0	61	21-30	44
20:00	0	2	20	18	6	1	0	0	0	0	0	0	0	0	47	21-30	38
21:00	2	0	16	23	3	0	0	0	0	0	0	0	0	0	44	21-30	39
22:00	0	0	11	4	0	0	0	0	0	0	0	0	0	0	15	21-30	15
23:00	1	0	3	3	2	0	0	0	0	0	0	0	0	0	9	21-30	6
Total	25	20	239	525	151	10	0	0	0	0	0	0	0	0	970		
Percent	2.6%	2.1%	24.6%	54.1%	15.6%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	16:00	15:00	16:00	16:00	17:00	16:00									16:00		
	10	7	59	136	45	4									254		

Hannah Ave  
Between Grant and Rose St  
Speed

Site Code: 00000001  
Station ID:

Latitude: 0' 0.0000 Undefined

A= Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
06/07/17	1	2	1	4	1	0	0	0	0	0	0	0	0	0	9	20-29	5
01:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	25-34	3
02:00	1	0	2	1	0	0	0	0	0	0	0	0	0	0	4	19-28	3
03:00	0	1	1	1	2	0	0	0	0	0	0	0	0	0	5	24-33	3
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	14-23	1
05:00	1	0	3	7	3	0	0	0	0	0	0	0	0	0	14	21-30	10
06:00	0	0	11	21	10	0	1	0	0	0	0	0	0	0	43	21-30	32
07:00	3	1	30	71	20	3	0	0	0	0	0	0	0	0	128	21-30	101
08:00	6	1	35	66	22	0	0	0	0	0	0	0	0	0	130	21-30	101
09:00	6	1	38	59	20	4	0	0	0	0	0	0	0	0	128	21-30	97
10:00	9	5	32	84	22	1	0	0	0	0	0	0	0	0	153	21-30	116
11:00	0	4	38	104	25	2	0	0	0	0	0	0	0	0	173	21-30	142
12 PM	9	5	51	106	22	1	2	0	0	0	0	0	0	0	196	21-30	157
13:00	6	4	63	77	27	2	0	0	0	0	0	0	0	0	179	21-30	140
14:00	5	2	53	101	29	2	0	0	0	0	0	0	0	0	192	21-30	154
15:00	2	3	35	70	20	3	0	0	0	0	0	0	0	0	133	21-30	105
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	49	29	394	773	225	18	3	0	0	0	0	0	0	0	1491		
Percent	3.3%	1.9%	26.4%	51.8%	15.1%	1.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	10:00	09:00	11:00	11:00	09:00	06:00								11:00		
Vol.	9	5	38	104	25	4	1								173		
PM Peak	12:00	12:00	13:00	12:00	14:00	15:00	12:00								12:00		
Vol.	9	5	63	106	29	3	2								196		
Total	74	49	633	1298	376	28	3	0	0	0	0	0	0	0	2461		
Percent	3.0%	2.0%	25.7%	52.7%	15.3%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 21 MPH  
50th Percentile : 26 MPH  
85th Percentile : 30 MPH  
95th Percentile : 33 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 1931  
Percent in Pace : 78.5%  
Number of Vehicles > 25 MPH : 1705  
Percent of Vehicles > 25 MPH : 69.3%  
Mean Speed(Average) : 27 MPH

Hannah Ave  
Between Grant and Rose St  
Speed

Site Code: 00000001  
Station ID:

Latitude: 0' 0.0000 Undefined

B= Eastbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
06/06/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	4	4	<b>27</b>	75	70	19	1	0	0	0	0	0	0	0	200	26-35	145
16:00	3	<b>8</b>	19	<b>89</b>	79	17	<b>4</b>	0	0	0	0	0	0	0	219	26-35	168
17:00	<b>7</b>	4	27	81	<b>87</b>	18	2	0	0	0	0	0	0	0	<b>226</b>	26-35	168
18:00	0	7	14	40	38	<b>23</b>	1	<b>1</b>	0	0	0	0	0	0	124	26-35	78
19:00	3	3	6	27	38	7	0	0	0	0	0	0	0	0	84	26-35	65
20:00	2	1	9	23	24	0	0	1	0	0	0	0	0	0	60	26-35	47
21:00	4	2	6	7	11	3	1	0	0	0	0	0	0	0	34	26-35	18
22:00	0	3	6	7	5	0	0	0	0	0	0	0	0	0	21	21-30	13
23:00	1	2	3	4	3	1	0	0	0	0	0	0	0	0	14	20-29	7
Total	24	34	117	353	355	88	9	2	0	0	0	0	0	0	982		
Percent	2.4%	3.5%	11.9%	35.9%	36.2%	9.0%	0.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	17:00	16:00	15:00	16:00	17:00	18:00	16:00	18:00							17:00		
	7	8	27	89	87	23	4	1							226		

Hannah Ave  
Between Grant and Rose St  
Speed

Site Code: 00000001  
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B= Eastbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
06/07/17	0	0	1	3	2	0	0	0	0	0	0	0	0	0	6	24-33	5
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3	24-33	2
03:00	0	0	2	2	1	0	0	0	0	0	0	0	0	0	5	21-30	4
04:00	1	0	1	0	0	1	0	0	0	0	0	0	0	0	3	*	1
05:00	2	0	1	4	9	1	1	0	0	0	0	0	0	0	18	26-35	13
06:00	0	2	4	15	17	8	1	0	0	0	0	0	0	0	47	26-35	32
07:00	1	3	21	61	57	18	1	0	0	0	0	0	0	0	162	26-35	118
08:00	2	9	14	59	61	19	2	0	0	0	0	0	0	0	166	26-35	120
09:00	0	8	18	52	35	15	1	0	0	0	0	0	0	0	129	26-35	87
10:00	1	5	11	56	53	11	0	0	0	0	0	0	0	0	137	26-35	109
11:00	4	3	13	60	50	11	1	1	0	0	0	0	0	0	143	26-35	110
12 PM	7	4	24	64	69	12	5	0	0	0	0	0	0	0	185	26-35	133
13:00	6	5	20	77	52	15	2	0	0	0	0	0	0	0	177	26-35	129
14:00	1	7	25	73	60	15	1	0	0	0	0	0	0	0	182	26-35	133
15:00	3	6	11	61	55	9	1	0	0	0	0	0	0	0	146	26-35	116
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	28	52	167	587	523	135	16	1	0	0	0	0	0	0	1509		
Percent	1.9%	3.4%	11.1%	38.9%	34.7%	8.9%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	08:00	07:00	07:00	08:00	08:00	08:00	11:00							08:00		
Vol.	4	9	21	61	61	19	2	1							166		
PM Peak	12:00	14:00	14:00	13:00	12:00	13:00	12:00								12:00		
Vol.	7	7	25	77	69	15	5								185		
Total	52	86	284	940	878	223	25	3	0	0	0	0	0	0	2491		
Percent	2.1%	3.5%	11.4%	37.7%	35.2%	9.0%	1.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 24 MPH  
50th Percentile : 29 MPH  
85th Percentile : 34 MPH  
95th Percentile : 37 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1818  
Percent in Pace : 73.0%  
Number of Vehicles > 25 MPH : 2069  
Percent of Vehicles > 25 MPH : 83.1%  
Mean Speed(Average) : 29 MPH

Hannah Ave  
Between Grant and Rose St  
Speed

Site Code: 00000001  
Station ID:

Latitude: 0' 0.0000 Undefined

A= Westbound, B= Eastbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
06/06/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	10	11	74	195	99	20	1	0	0	0	0	0	0	0	410	26-35	294
16:00	13	10	78	225	122	21	4	0	0	0	0	0	0	0	473	26-35	347
17:00	10	6	64	212	132	19	2	0	0	0	0	0	0	0	445	26-35	344
18:00	1	10	47	99	51	25	1	1	0	0	0	0	0	0	235	26-35	150
19:00	5	7	19	58	48	8	0	0	0	0	0	0	0	0	145	26-35	106
20:00	2	3	29	41	30	1	0	1	0	0	0	0	0	0	107	26-35	71
21:00	6	2	22	30	14	3	1	0	0	0	0	0	0	0	78	21-30	52
22:00	0	3	17	11	5	0	0	0	0	0	0	0	0	0	36	21-30	28
23:00	2	2	6	7	5	1	0	0	0	0	0	0	0	0	23	21-30	13
Total	49	54	356	878	506	98	9	2	0	0	0	0	0	0	1952		
Percent	2.5%	2.8%	18.2%	45.0%	25.9%	5.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	16:00	15:00	16:00	16:00	17:00	18:00	16:00	18:00							16:00		
	13	11	78	225	132	25	4	1							473		

Hannah Ave  
Between Grant and Rose St  
Speed

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Station ID:

Latitude: 0' 0.0000 Undefined

A= Westbound, B= Eastbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
06/07/17	1	2	2	7	3	0	0	0	0	0	0	0	0	0	15	24-33	10
01:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	25-34	3
02:00	1	0	3	1	2	0	0	0	0	0	0	0	0	0	7	21-30	4
03:00	0	1	3	3	3	0	0	0	0	0	0	0	0	0	10	20-29	6
04:00	1	0	2	0	0	1	0	0	0	0	0	0	0	0	4	15-24	2
05:00	3	0	4	11	12	1	1	0	0	0	0	0	0	0	32	26-35	23
06:00	0	2	15	36	27	8	2	0	0	0	0	0	0	0	90	26-35	63
07:00	4	4	51	132	77	21	1	0	0	0	0	0	0	0	290	26-35	209
08:00	8	10	49	125	83	19	2	0	0	0	0	0	0	0	296	26-35	208
09:00	6	9	56	111	55	19	1	0	0	0	0	0	0	0	257	21-30	167
10:00	10	10	43	140	75	12	0	0	0	0	0	0	0	0	290	26-35	215
11:00	4	7	51	164	75	13	1	1	0	0	0	0	0	0	316	26-35	239
12 PM	16	9	75	170	91	13	7	0	0	0	0	0	0	0	381	26-35	261
13:00	12	9	83	154	79	17	2	0	0	0	0	0	0	0	356	21-30	237
14:00	6	9	78	174	89	17	1	0	0	0	0	0	0	0	374	26-35	263
15:00	5	9	46	131	75	12	1	0	0	0	0	0	0	0	279	26-35	206
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	77	81	561	1360	748	153	19	1	0	0	0	0	0	0	3000		
Percent	2.6%	2.7%	18.7%	45.3%	24.9%	5.1%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	08:00	09:00	11:00	08:00	07:00	06:00	11:00								11:00	
Vol.	10	10	56	164	83	21	2	1								316	
PM Peak	12:00	12:00	13:00	14:00	12:00	13:00	12:00									12:00	
Vol.	16	9	83	174	91	17	7									381	
Total	126	135	917	2238	1254	251	28	3	0	0	0	0	0	0	4952		
Percent	2.5%	2.7%	18.5%	45.2%	25.3%	5.1%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 22 MPH  
50th Percentile : 27 MPH  
85th Percentile : 33 MPH  
95th Percentile : 35 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 3492  
Percent in Pace : 70.5%  
Number of Vehicles > 25 MPH : 3774  
Percent of Vehicles > 25 MPH : 76.2%  
Mean Speed(Average) : 28 MPH

Hannah Ave  
Between Grant and Rose St  
Speed

Site Code: 0000001  
Station ID:

Latitude: 0' 0.0000 Undefined

Start Time	05-Jun-17 Mon	06-Jun-17 Tue	07-Jun-17 Wed	08-Jun-17 Thu	09-Jun-17 Fri	Weekday Average	10-Jun-17 Sat	11-Jun-17 Sun
12:00 AM	*	*	15	*	*	15	*	*
01:00	*	*	3	*	*	3	*	*
02:00	*	*	7	*	*	7	*	*
03:00	*	*	10	*	*	10	*	*
04:00	*	*	4	*	*	4	*	*
05:00	*	*	32	*	*	32	*	*
06:00	*	*	90	*	*	90	*	*
07:00	*	*	290	*	*	290	*	*
08:00	*	*	296	*	*	296	*	*
09:00	*	*	257	*	*	257	*	*
10:00	*	*	290	*	*	290	*	*
11:00	*	*	316	*	*	316	*	*
12:00 PM	*	*	381	*	*	381	*	*
01:00	*	*	356	*	*	356	*	*
02:00	*	*	374	*	*	374	*	*
03:00	*	410	279	*	*	344	*	*
04:00	*	473	*	*	*	473	*	*
05:00	*	445	*	*	*	445	*	*
06:00	*	235	*	*	*	235	*	*
07:00	*	145	*	*	*	145	*	*
08:00	*	107	*	*	*	107	*	*
09:00	*	78	*	*	*	78	*	*
10:00	*	36	*	*	*	36	*	*
11:00	*	23	*	*	*	23	*	*
Total	0	1952	3000	0	0		0	0
Percentage	0.0%	42.4%	65.1%	0.0%	0.0%		0.0%	0.0%
AM Peak	-	-	11:00	-	-	-	-	-
Vol.	-	-	316	-	-	-	-	-
PM Peak	-	16:00	12:00	-	-	-	-	-
Vol.	-	473	381	-	-	-	-	-
Total		1952	3000					



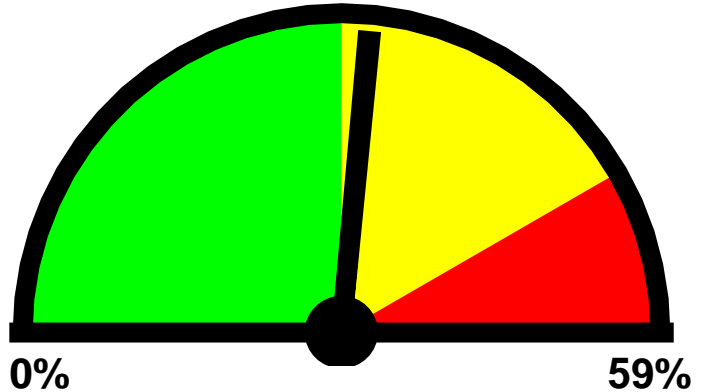
# Speed Enforcement Evaluator

**Location:**  
**Hannah Ave**

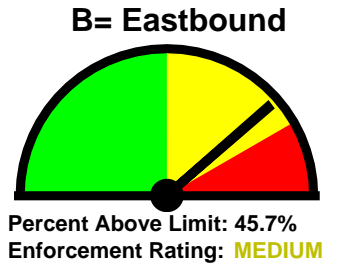
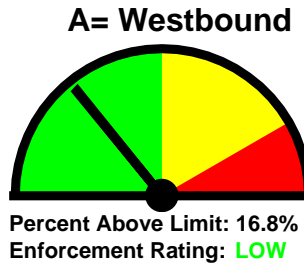
**Total Percentage of Enforceable Violations**

**Closest Cross Street:**  
Between Grant and Rose St

**Analysis Dates:**  
Tuesday, June 06, 2017  
Wednesday, June 07, 2017



**0%** **59%**  
**Posted Speed Limit:** 25 MPH  
**Enforcement Tolerance:** 5 MPH  
**Enforcement Limit:** 31 MPH & Up  
**Percentage Above Limit:** 31.3%  
**Enforcement Rating:** **MEDIUM**



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	7	67	135	917	2238	1254	251	28	3	0	0	0	0

85 percentile = 32

A= Westbound

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	6	34	49	633	1298	376	28	3	0	0	0	0	0

85 percentile = 30

B= Eastbound

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	33	86	284	940	878	223	25	3	0	0	0	0

85 percentile = 34

# Best Times for Enforcement

**Location:**  
**Hannah Ave**  
**Closest Cross Street:**  
Between Grant and Rose St

**Analysis Dates:**  
Tuesday, June 06, 2017  
Wednesday, June 07, 2017

Sun

Mon

Tue

Combined: 4 PM to 6 PM  
A= Westbound: 4 PM to 6 PM  
B= Eastbound: 4 PM to 6 PM

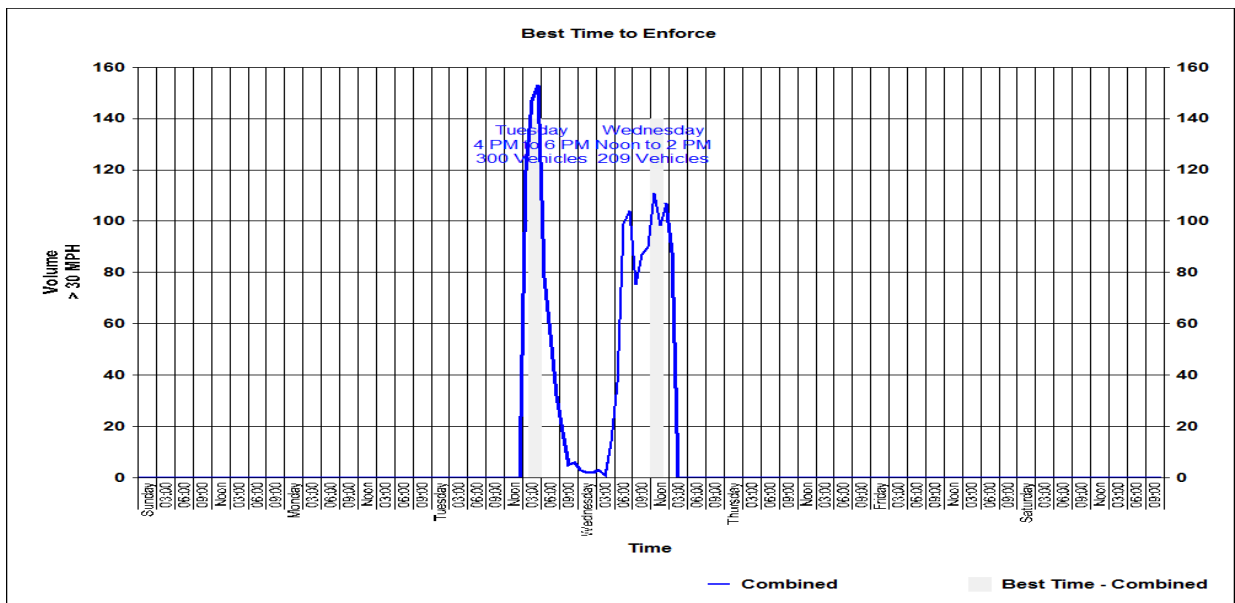
Wed

Combined: Noon to 2 PM  
A= Westbound: 1 PM to 3 PM  
B= Eastbound: 7 AM to 9 AM

Thu

Fri

Sat



Hannah Ave  
Btw Grant And Rose St  
Speed

