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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: Friday, September 1st, 2017  
SUBJECT: 24 Hour Speed and Volume of Bay St between Cedar St and Spruce St

City Engineering performed a 24 hour speed study on Bay St between Cedar St and Spruce St beginning on Wednesday, August 30<sup>th</sup>, 2017 concluded Thursday, August 31<sup>st</sup>, 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 Bay 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, 1734 vehicles were recorded. The average (mean) speed of the 1734 vehicles is 31 miles per hour, with 85.9% 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 56.9%.

## Summary (Combined):

- **Mean Speed:** 31 MPH
- **Number of Vehicles above Posted Speed Limit** 85.9%
- **85<sup>th</sup> Percentile of Speed:** 37 MPH
- **95<sup>th</sup> Percentile of Speed:** 40 MPH

## Enclosed:

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

Bay St  
Between Cedar St & Spruce St  
Speed

Site Code: 00000001  
Station ID:  
Bay St  
Cedar st & Spruce St  
Latitude: 0' 0.0000 South

A=Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
08/30/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	0	<b>2</b>	2	12	17	5	0	0	0	0	0	0	0	0	38	26-35	29
15:00	<b>2</b>	2	6	21	<b>22</b>	7	2	0	0	0	0	0	0	0	<b>62</b>	26-35	43
16:00	0	0	6	<b>26</b>	11	6	<b>3</b>	<b>1</b>	0	0	0	0	0	0	53	26-35	37
17:00	0	1	<b>9</b>	20	18	<b>8</b>	3	0	0	0	0	0	0	0	59	26-35	38
18:00	0	1	6	19	14	7	2	0	0	0	0	0	0	0	49	26-35	33
19:00	1	1	3	20	8	5	0	0	0	0	0	0	0	0	38	26-35	28
20:00	0	0	4	11	14	6	2	0	0	0	0	0	0	0	37	26-35	25
21:00	0	0	4	9	6	1	0	0	0	0	0	0	0	0	20	25-34	15
22:00	0	0	2	3	5	3	0	0	0	0	0	0	0	0	13	26-35	8
23:00	0	0	1	3	1	0	0	1	0	0	0	0	0	0	6	26-35	4
<b>Total</b>	<b>3</b>	<b>7</b>	<b>43</b>	<b>144</b>	<b>116</b>	<b>48</b>	<b>12</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>375</b>		
Percent	0.8%	1.9%	11.5%	38.4%	30.9%	12.8%	3.2%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	15:00	14:00	17:00	16:00	15:00	17:00	16:00	16:00							15:00		
	2	2	9	26	22	8	3	1							62		

Bay St  
Between Cedar St & Spruce St  
Speed

Site Code: 00000001  
Station ID:  
Bay St  
Cedar st & Spruce St  
Latitude: 0' 0.0000 South

A=Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
08/31/17	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	24-33	1
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	34-43	1
02:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	25-34	2
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	24-33	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	19-28	1
06:00	0	0	2	3	3	3	0	0	0	0	0	0	0	0	11	24-33	6
07:00	0	1	1	13	8	5	1	1	0	0	0	0	0	0	30	26-35	21
08:00	0	4	5	8	11	6	0	0	0	0	0	0	0	0	34	26-35	19
09:00	0	0	4	13	13	5	5	0	0	0	0	0	0	0	40	26-35	26
10:00	1	4	11	20	4	2	0	0	0	0	0	0	0	0	42	21-30	31
11:00	0	1	4	15	15	5	2	0	0	0	0	0	0	0	42	26-35	30
12 PM	2	0	6	16	11	5	0	0	0	0	0	0	0	0	40	26-35	27
13:00	1	0	7	18	17	4	2	0	0	0	0	0	0	0	49	26-35	35
14:00	1	1	5	18	15	10	1	1	0	0	0	0	0	0	52	26-35	33
15:00	1	3	5	16	7	7	1	1	0	0	0	0	0	0	41	25-34	23
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<b>Total</b>	<b>6</b>	<b>14</b>	<b>50</b>	<b>141</b>	<b>108</b>	<b>53</b>	<b>13</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>388</b>		
<b>Percent</b>	<b>1.5%</b>	<b>3.6%</b>	<b>12.9%</b>	<b>36.3%</b>	<b>27.8%</b>	<b>13.7%</b>	<b>3.4%</b>	<b>0.8%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
AM Peak	10:00	08:00	10:00	10:00	11:00	08:00	09:00	07:00							10:00		
Vol.	1	4	11	20	15	6	5	1							42		
PM Peak	12:00	15:00	13:00	13:00	13:00	14:00	13:00	14:00							14:00		
Vol.	2	3	7	18	17	10	2	1							52		
<b>Total</b>	<b>9</b>	<b>21</b>	<b>93</b>	<b>285</b>	<b>224</b>	<b>101</b>	<b>25</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>763</b>		
<b>Percent</b>	<b>1.2%</b>	<b>2.8%</b>	<b>12.2%</b>	<b>37.4%</b>	<b>29.4%</b>	<b>13.2%</b>	<b>3.3%</b>	<b>0.7%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 24 MPH  
50th Percentile : 29 MPH  
85th Percentile : 35 MPH  
95th Percentile : 39 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 509  
Percent in Pace : 66.7%  
Number of Vehicles > 25 MPH : 640  
Percent of Vehicles > 25 MPH : 83.9%  
Mean Speed(Average) : 30 MPH

Bay St  
Between Cedar St & Spruce St  
Speed

Site Code: 0000001  
Station ID:  
Bay St  
Cedar st & Spruce St  
Latitude: 0' 0.0000 South

B=Eastbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
08/30/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	0	1	4	14	24	13	1	0	0	0	0	0	0	0	57	26-35	38
15:00	2	0	2	11	<b>35</b>	11	7	0	0	0	0	0	0	0	68	26-35	46
16:00	6	4	<b>6</b>	13	28	19	5	0	0	0	0	0	0	0	81	31-40	47
17:00	1	1	6	<b>22</b>	31	15	<b>12</b>	<b>1</b>	0	0	0	0	0	0	<b>89</b>	26-35	53
18:00	0	1	3	19	21	<b>23</b>	9	0	0	0	0	0	0	0	76	31-40	44
19:00	0	0	2	15	19	8	6	0	0	0	0	0	0	0	50	26-35	34
20:00	<b>27</b>	<b>5</b>	2	9	14	6	1	0	0	0	0	0	0	0	64	26-35	23
21:00	12	1	0	5	4	5	0	0	0	0	0	0	0	0	27	31-40	9
22:00	0	0	1	1	1	6	0	1	0	0	0	0	0	0	10	31-40	7
23:00	0	0	1	1	2	3	0	0	0	0	0	0	0	0	7	30-39	5
Total	48	13	27	110	179	109	41	2	0	0	0	0	0	0	529		
Percent	9.1%	2.5%	5.1%	20.8%	33.8%	20.6%	7.8%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	20:00	20:00	16:00	17:00	15:00	18:00	17:00	17:00							17:00		
	27	5	6	22	35	23	12	1							89		

Bay St  
Between Cedar St & Spruce St  
Speed

Site Code: 00000001  
Station ID:  
Bay St  
Cedar st & Spruce St  
Latitude: 0' 0.0000 South

B=Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
08/31/17	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	19-28	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
04:00	4	4	4	2	3	1	0	0	0	0	0	0	0	0	18	16-25	8
05:00	0	0	0	1	10	1	1	0	0	0	0	0	0	0	13	27-36	11
06:00	0	0	0	7	8	6	3	0	0	0	0	0	0	0	24	26-35	15
07:00	0	0	4	9	19	11	3	1	0	0	0	0	0	0	47	31-40	30
08:00	1	2	4	16	22	11	1	0	0	0	0	0	0	0	57	26-35	38
09:00	2	1	0	9	25	15	4	0	0	0	0	0	0	0	56	31-40	40
10:00	0	2	3	26	30	15	3	0	0	0	0	0	0	0	79	26-35	56
11:00	0	0	7	20	32	17	5	0	0	0	0	0	0	0	81	26-35	52
12 PM	0	1	8	13	30	15	5	0	0	0	0	0	0	0	72	30-39	45
13:00	0	0	7	19	27	23	3	0	0	0	0	0	0	0	79	31-40	50
14:00	0	1	4	15	36	21	3	2	0	0	0	0	0	0	82	31-40	57
15:00	0	2	5	19	21	14	3	0	0	0	0	0	0	0	64	26-35	40
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	7	13	46	158	263	151	34	3	0	0	0	0	0	0	675		
Percent	1.0%	1.9%	6.8%	23.4%	39.0%	22.4%	5.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	04:00	04:00	11:00	10:00	11:00	11:00	11:00	07:00							11:00		
Vol.	4	4	7	26	32	17	5	1							81		
PM Peak		15:00	12:00	13:00	14:00	13:00	12:00	14:00							14:00		
Vol.		2	8	19	36	23	5	2							82		
Total	55	26	73	268	442	260	75	5	0	0	0	0	0	0	1204		
Percent	4.6%	2.2%	6.1%	22.3%	36.7%	21.6%	6.2%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 32 MPH  
85th Percentile : 38 MPH  
95th Percentile : 41 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 710  
Percent in Pace : 59.0%  
Number of Vehicles > 25 MPH : 1050  
Percent of Vehicles > 25 MPH : 87.2%  
Mean Speed(Average) : 32 MPH

Bay St  
Between Cedar St & Spruce St  
Speed

Site Code: 0000001  
Station ID:  
Bay St  
Cedar st & Spruce St  
Latitude: 0' 0.0000 South

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
08/30/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	0	3	6	26	41	18	1	0	0	0	0	0	0	0	95	26-35	67
15:00	4	2	8	32	<b>57</b>	18	9	0	0	0	0	0	0	0	130	26-35	89
16:00	6	4	12	39	39	25	8	1	0	0	0	0	0	0	134	26-35	78
17:00	1	2	<b>15</b>	<b>42</b>	49	23	<b>15</b>	1	0	0	0	0	0	0	<b>148</b>	26-35	91
18:00	0	2	9	38	35	<b>30</b>	11	0	0	0	0	0	0	0	125	26-35	73
19:00	1	1	5	35	27	13	6	0	0	0	0	0	0	0	88	26-35	62
20:00	<b>27</b>	<b>5</b>	6	20	28	12	3	0	0	0	0	0	0	0	101	26-35	48
21:00	12	1	4	14	10	6	0	0	0	0	0	0	0	0	47	26-35	24
22:00	0	0	3	4	6	9	0	1	0	0	0	0	0	0	23	31-40	15
23:00	0	0	2	4	3	3	0	1	0	0	0	0	0	0	13	24-33	7
Total	51	20	70	254	295	157	53	4	0	0	0	0	0	0	904		
Percent	5.6%	2.2%	7.7%	28.1%	32.6%	17.4%	5.9%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	20:00	20:00	17:00	17:00	15:00	18:00	17:00	16:00							17:00		
	27	5	15	42	57	30	15	1							148		

Bay St  
Between Cedar St & Spruce St  
Speed

Site Code: 00000001  
Station ID:  
Bay St  
Cedar st & Spruce St  
Latitude: 0' 0.0000 South

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
08/31/17	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3	24-33	2
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	34-43	1
02:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	25-34	2
03:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	24-33	2
04:00	4	4	4	2	3	1	0	0	0	0	0	0	0	0	18	16-25	8
05:00	0	0	0	2	10	2	1	0	0	0	0	0	0	0	15	29-38	12
06:00	0	0	2	10	11	9	3	0	0	0	0	0	0	0	35	26-35	21
07:00	0	1	5	22	27	16	4	2	0	0	0	0	0	0	77	26-35	49
08:00	1	6	9	24	33	17	1	0	0	0	0	0	0	0	91	26-35	57
09:00	2	1	4	22	38	20	9	0	0	0	0	0	0	0	96	26-35	60
10:00	1	6	14	46	34	17	3	0	0	0	0	0	0	0	121	26-35	80
11:00	0	1	11	35	47	22	7	0	0	0	0	0	0	0	123	26-35	82
12 PM	2	1	14	29	41	20	5	0	0	0	0	0	0	0	112	26-35	70
13:00	1	0	14	37	44	27	5	0	0	0	0	0	0	0	128	26-35	81
14:00	1	2	9	33	51	31	4	3	0	0	0	0	0	0	134	26-35	84
15:00	1	5	10	35	28	21	4	1	0	0	0	0	0	0	105	26-35	63
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	13	27	96	299	371	204	47	6	0	0	0	0	0	0	1063		
Percent	1.2%	2.5%	9.0%	28.1%	34.9%	19.2%	4.4%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	04:00	08:00	10:00	10:00	11:00	11:00	09:00	07:00							11:00		
Vol.	4	6	14	46	47	22	9	2							123		
PM Peak	12:00	15:00	12:00	13:00	14:00	14:00	12:00	14:00							14:00		
Vol.	2	5	14	37	51	31	5	3							134		
Total	64	47	166	553	666	361	100	10	0	0	0	0	0	0	1967		
Percent	3.3%	2.4%	8.4%	28.1%	33.9%	18.4%	5.1%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH  
50th Percentile : 31 MPH  
85th Percentile : 37 MPH  
95th Percentile : 40 MPH

Stats  
10 MPH Pace Speed : 26-35 MPH  
Number in Pace : 1219  
Percent in Pace : 62.0%  
Number of Vehicles > 25 MPH : 1690  
Percent of Vehicles > 25 MPH : 85.9%  
Mean Speed(Average) : 31 MPH

Bay St  
Between Cedar St & Spruce St  
Speed

Site Code: 0000001  
Station ID:  
Bay St  
Cedar st & Spruce St  
Latitude: 0' 0.0000 South

Start Time	28-Aug-17 Mon	29-Aug-17 Tue	30-Aug-17 Wed	31-Aug-17 Thu	01-Sep-17 Fri	Weekday Average	02-Sep-17 Sat	03-Sep-17 Sun
12:00 AM	*	*	*	3	*	3	*	*
01:00	*	*	*	1	*	1	*	*
02:00	*	*	*	2	*	2	*	*
03:00	*	*	*	2	*	2	*	*
04:00	*	*	*	18	*	18	*	*
05:00	*	*	*	15	*	15	*	*
06:00	*	*	*	35	*	35	*	*
07:00	*	*	*	77	*	77	*	*
08:00	*	*	*	91	*	91	*	*
09:00	*	*	*	96	*	96	*	*
10:00	*	*	*	121	*	121	*	*
11:00	*	*	*	123	*	123	*	*
12:00 PM	*	*	*	112	*	112	*	*
01:00	*	*	*	128	*	128	*	*
02:00	*	*	95	134	*	114	*	*
03:00	*	*	130	105	*	118	*	*
04:00	*	*	134	*	*	134	*	*
05:00	*	*	148	*	*	148	*	*
06:00	*	*	125	*	*	125	*	*
07:00	*	*	88	*	*	88	*	*
08:00	*	*	101	*	*	101	*	*
09:00	*	*	47	*	*	47	*	*
10:00	*	*	23	*	*	23	*	*
11:00	*	*	13	*	*	13	*	*
Total	0	0	904	1063	0		0	0
Percentage	0.0%	0.0%	52.1%	61.3%	0.0%		0.0%	0.0%
AM Peak	-	-	-	11:00	-	-	-	-
Vol.	-	-	-	123	-	-	-	-
PM Peak	-	-	17:00	14:00	-	-	-	-
Vol.	-	-	148	134	-	-	-	-
Total		0	904					



# Speed Enforcement Evaluator

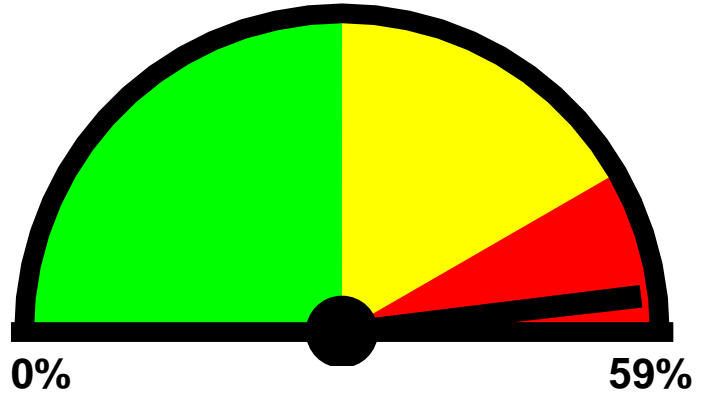
**Location:**  
**Bay St**

**Total Percentage of Enforceable Violations**

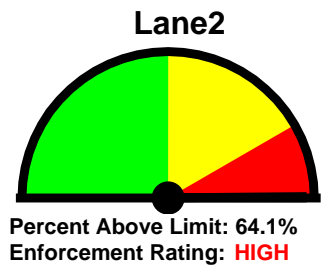
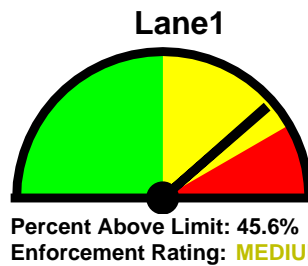
**Closest Cross Street:**  
Cedar st & Spruce St

**Analysis Dates:**  
Wednesday, August 30, 2017  
Thursday, August 31, 2017

**Equipment Used:**



**Posted Speed Limit:** 25 MPH  
**Enforcement Tolerance:** 5 MPH  
**Enforcement Limit:** 31 MPH & Up  
**Percentage Above Limit:** 56.9%  
**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	3	61	54	188	577	689	365	101	10	0	0	0	0

85 percentile = 36

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	2	9	24	103	295	230	103	25	5	0	0	0	0

85 percentile = 35

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	52	30	85	282	459	262	76	5	0	0	0	0

85 percentile = 37

# Best Times for Enforcement

**Location:**

**Bay St**

**Closest Cross Street:**

Cedar st & Spruce St

**Analysis Dates:**

Wednesday, August 30, 2017

Thursday, August 31, 2017

**Sun**

**Mon**

**Tue**

**Wed**

Combined: 5 PM to 7 PM

Lane1: 2 PM to 4 PM

Lane2: 5 PM to 7 PM

**Thu**

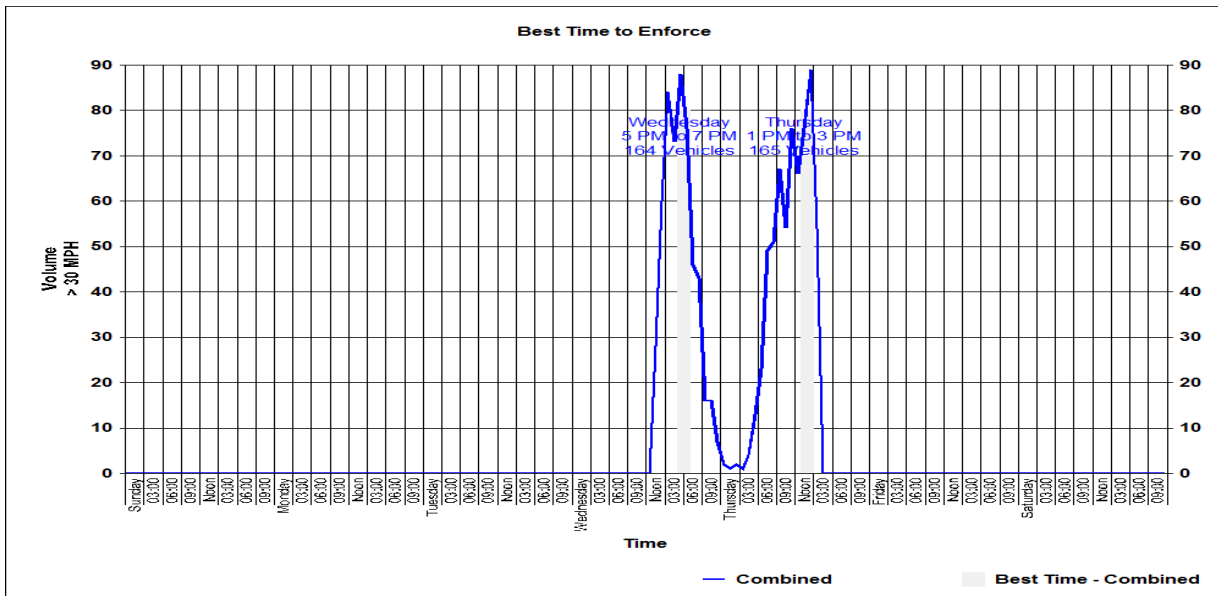
Combined: 1 PM to 3 PM

Lane1: 1 PM to 3 PM

Lane2: 1 PM to 3 PM

**Fri**

**Sat**



Bay St  
Between Cedar St & Spruce St  
Speed

