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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 8<sup>th</sup>, 2017  
SUBJECT: 24 Hour Speed and Volume of Washington St between Railroad and Franklin St

**City Engineering performed a 24 hour speed study on Washington St between Railroad St and Franklin St beginning on Wednesday, September 6<sup>th</sup>, 2017 concluded Thursday, September 7<sup>th</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 Washington 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, 1151 vehicles were recorded. The average (mean) speed of the 1151 vehicles is 24 miles per hour, with 45.7% 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 8.6%.

## Summary (Combined):

- **Mean Speed:** 24 MPH
- **Number of Vehicles above Posted Speed Limit** 45.7%
- **85<sup>th</sup> Percentile of Speed:** 29 MPH
- **95<sup>th</sup> Percentile of Speed:** 32 MPH

## Enclosed:

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

Washington St  
Between Franklin St & Railroad St  
Speed

Site Code: 0000001  
Station ID:  
Washington St  
Franklin St & Railroad St  
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
	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
09/06/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	2	6	13	6	2	1	0	0	0	0	0	0	0	0	30	16-25	19
14:00	0	4	19	9	3	0	0	0	0	0	0	0	0	0	35	21-30	28
15:00	2	8	22	19	2	0	0	0	0	0	0	0	0	0	53	21-30	41
16:00	7	4	22	15	2	0	0	0	0	0	0	0	0	0	50	21-30	37
17:00	3	3	17	22	6	1	0	0	0	0	0	0	0	0	52	21-30	39
18:00	2	2	12	5	2	0	0	0	0	0	0	0	0	0	23	21-30	17
19:00	1	2	19	4	0	0	0	0	0	0	0	0	0	0	26	20-29	23
20:00	2	2	7	4	1	0	0	0	0	0	0	0	0	0	16	21-30	11
21:00	0	4	3	7	1	0	0	0	0	0	0	0	0	0	15	21-30	10
22:00	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5	20-29	5
23:00	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	16-25	4
Total	19	35	141	93	19	2	0	0	0	0	0	0	0	0	309		
Percent	6.1%	11.3%	45.6%	30.1%	6.1%	0.6%	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	15:00	17:00	17:00	13:00									15:00		
	7	8	22	22	6	1									53		

Washington St  
Between Franklin St & Railroad St  
Speed

Site Code: 00000001  
Station ID:  
Washington St  
Franklin St & Railroad St  
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
	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
09/07/17	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3	15-24	3
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	1	0	0	0	0	0	0	0	0	0	0	0	1	14-23	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3	15-24	2
06:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3	20-29	3
07:00	3	2	6	9	3	0	0	0	0	0	0	0	0	0	23	21-30	15
08:00	5	5	7	3	0	0	0	0	0	0	0	0	0	0	20	16-25	12
09:00	1	1	5	6	2	0	0	0	0	0	0	0	0	0	15	21-30	11
10:00	2	5	8	9	1	0	0	0	0	0	0	0	0	0	25	21-30	17
11:00	3	2	12	17	1	0	0	0	0	0	0	0	0	0	35	21-30	29
12 PM	4	8	13	8	3	0	0	0	0	0	0	0	0	0	36	21-30	21
13:00	4	5	23	13	0	1	0	0	0	0	0	0	0	0	46	21-30	36
14:00	0	8	6	3	0	0	0	0	0	0	0	0	0	0	17	16-25	14
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	23	39	84	70	10	1	0	0	0	0	0	0	0	0	227		
Percent	10.1%	17.2%	37.0%	30.8%	4.4%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	11:00	11:00	07:00											11:00	
Vol.	5	5	12	17	3											35	
PM Peak	12:00	12:00	13:00	13:00	12:00	13:00										13:00	
Vol.	4	8	23	13	3	1										46	
Total	42	74	225	163	29	3	0	0	0	0	0	0	0	0	536		
Percent	7.8%	13.8%	42.0%	30.4%	5.4%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 17 MPH  
50th Percentile : 23 MPH  
85th Percentile : 28 MPH  
95th Percentile : 30 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 388  
Percent in Pace : 72.4%  
Number of Vehicles > 25 MPH : 195  
Percent of Vehicles > 25 MPH : 36.4%  
Mean Speed(Average) : 23 MPH

Washington St  
Between Franklin St & Railroad St  
Speed

Site Code: 0000001  
Station ID:  
Washington St  
Franklin St & Railroad St  
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
09/06/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	3	8	19	23	1	0	0	0	0	0	0	0	0	0	54	21-30	42
14:00	0	3	16	27	6	0	0	0	0	0	0	0	0	0	52	21-30	43
15:00	2	6	<b>32</b>	27	3	0	0	0	0	0	0	0	0	0	<b>70</b>	21-30	59
16:00	4	<b>9</b>	17	27	<b>10</b>	0	0	0	0	0	0	0	0	0	67	21-30	44
17:00	1	6	25	<b>28</b>	4	0	0	0	0	0	0	0	0	0	64	21-30	53
18:00	<b>8</b>	2	9	14	5	0	0	0	0	0	0	0	0	0	38	21-30	23
19:00	0	3	10	18	1	0	0	0	0	0	0	0	0	0	32	21-30	28
20:00	0	0	1	3	1	0	0	0	0	0	0	0	0	0	5	26-35	4
21:00	1	0	0	3	0	0	0	0	0	0	0	0	0	0	4	21-30	3
22:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	16-25	3
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
<b>Total</b>	<b>19</b>	<b>37</b>	<b>132</b>	<b>171</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>390</b>		
<b>Percent</b>	<b>4.9%</b>	<b>9.5%</b>	<b>33.8%</b>	<b>43.8%</b>	<b>7.9%</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>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>			
<b>AM Peak Vol.</b>																	
<b>PM Peak Vol.</b>	<b>18:00</b>	<b>16:00</b>	<b>15:00</b>	<b>17:00</b>	<b>16:00</b>										<b>15:00</b>		
	8	9	32	28	10										70		

Washington St  
Between Franklin St & Railroad St  
Speed

Site Code: 00000001  
Station ID:  
Washington St  
Franklin St & Railroad St  
Latitude: 0' 0.0000 South

B=Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
09/07/17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	14-23	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4	13-22	2
06:00	4	0	2	6	1	0	0	0	0	0	0	0	0	0	13	21-30	8
07:00	3	1	9	23	2	0	0	0	0	0	0	0	0	0	38	21-30	32
08:00	5	3	14	20	11	2	0	0	0	0	0	0	0	0	55	21-30	34
09:00	2	3	16	14	5	0	0	0	0	0	0	0	0	0	40	21-30	30
10:00	1	4	14	16	6	0	0	0	0	0	0	0	0	0	41	21-30	30
11:00	4	6	16	19	13	1	0	0	0	0	0	0	0	0	59	21-30	35
12 PM	5	5	18	17	6	0	0	0	0	0	0	0	0	0	51	21-30	35
13:00	2	8	15	26	1	0	0	0	0	0	0	0	0	0	52	21-30	41
14:00	1	4	13	9	2	0	0	0	0	0	0	0	0	0	29	21-30	22
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	28	35	119	151	47	3	0	0	0	0	0	0	0	0	383		
Percent	7.3%	9.1%	31.1%	39.4%	12.3%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	11:00	09:00	07:00	11:00	08:00									11:00		
Vol.	5	6	16	23	13	2									59		
PM Peak	12:00	13:00	12:00	13:00	12:00										13:00		
Vol.	5	8	18	26	6										52		
Total	47	72	251	322	78	3	0	0	0	0	0	0	0	0	773		
Percent	6.1%	9.3%	32.5%	41.7%	10.1%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 19 MPH  
50th Percentile : 25 MPH  
85th Percentile : 29 MPH  
95th Percentile : 32 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 573  
Percent in Pace : 74.1%  
Number of Vehicles > 25 MPH : 403  
Percent of Vehicles > 25 MPH : 52.1%  
Mean Speed(Average) : 25 MPH

Washington St  
Between Franklin St & Railroad St  
Speed

Site Code: 0000001  
Station ID:  
Washington St  
Franklin St & Railroad St  
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
	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
09/06/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	5	14	32	29	3	1	0	0	0	0	0	0	0	0	84	21-30	61
14:00	0	7	35	36	9	0	0	0	0	0	0	0	0	0	87	21-30	71
15:00	4	14	54	46	5	0	0	0	0	0	0	0	0	0	123	21-30	100
16:00	11	13	39	42	12	0	0	0	0	0	0	0	0	0	117	21-30	81
17:00	4	9	42	50	10	1	0	0	0	0	0	0	0	0	116	21-30	92
18:00	10	4	21	19	7	0	0	0	0	0	0	0	0	0	61	21-30	40
19:00	1	5	29	22	1	0	0	0	0	0	0	0	0	0	58	21-30	51
20:00	2	2	8	7	2	0	0	0	0	0	0	0	0	0	21	21-30	15
21:00	1	4	3	10	1	0	0	0	0	0	0	0	0	0	19	21-30	13
22:00	0	0	6	2	0	0	0	0	0	0	0	0	0	0	8	20-29	8
23:00	0	0	4	1	0	0	0	0	0	0	0	0	0	0	5	19-28	5
Total	38	72	273	264	50	2	0	0	0	0	0	0	0	0	699		
Percent	5.4%	10.3%	39.1%	37.8%	7.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	16:00	13:00	15:00	17:00	16:00	13:00									15:00		
	11	14	54	50	12	1									123		

Washington St  
Between Franklin St & Railroad St  
Speed

Site Code: 00000001  
Station ID:  
Washington St  
Franklin St & Railroad St  
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
09/07/17	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3	15-24	3
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	14-23	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	14-23	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	2	3	1	1	0	0	0	0	0	0	0	0	0	0	7	16-25	4
06:00	4	0	3	8	1	0	0	0	0	0	0	0	0	0	16	21-30	11
07:00	6	3	15	32	5	0	0	0	0	0	0	0	0	0	61	21-30	47
08:00	10	8	21	23	11	2	0	0	0	0	0	0	0	0	75	21-30	44
09:00	3	4	21	20	7	0	0	0	0	0	0	0	0	0	55	21-30	41
10:00	3	9	22	25	7	0	0	0	0	0	0	0	0	0	66	21-30	47
11:00	7	8	28	36	14	1	0	0	0	0	0	0	0	0	94	21-30	64
12 PM	9	13	31	25	9	0	0	0	0	0	0	0	0	0	87	21-30	56
13:00	6	13	38	39	1	1	0	0	0	0	0	0	0	0	98	21-30	77
14:00	1	12	19	12	2	0	0	0	0	0	0	0	0	0	46	16-25	31
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<b>Total</b>	<b>51</b>	<b>74</b>	<b>203</b>	<b>221</b>	<b>57</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>610</b>		
<b>Percent</b>	<b>8.4%</b>	<b>12.1%</b>	<b>33.3%</b>	<b>36.2%</b>	<b>9.3%</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>	<b>0.0%</b>	<b>0.0%</b>			
<b>AM Peak</b>	<b>08:00</b>	<b>10:00</b>	<b>11:00</b>	<b>11:00</b>	<b>11:00</b>	<b>08:00</b>									<b>11:00</b>		
<b>Vol.</b>	<b>10</b>	<b>9</b>	<b>28</b>	<b>36</b>	<b>14</b>	<b>2</b>									<b>94</b>		
<b>PM Peak</b>	<b>12:00</b>	<b>12:00</b>	<b>13:00</b>	<b>13:00</b>	<b>12:00</b>	<b>13:00</b>									<b>13:00</b>		
<b>Vol.</b>	<b>9</b>	<b>13</b>	<b>38</b>	<b>39</b>	<b>9</b>	<b>1</b>									<b>98</b>		
<b>Total</b>	<b>89</b>	<b>146</b>	<b>476</b>	<b>485</b>	<b>107</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1309</b>		
<b>Percent</b>	<b>6.8%</b>	<b>11.2%</b>	<b>36.4%</b>	<b>37.1%</b>	<b>8.2%</b>	<b>0.5%</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>	<b>0.0%</b>	<b>0.0%</b>			

15th Percentile : 18 MPH  
50th Percentile : 24 MPH  
85th Percentile : 29 MPH  
95th Percentile : 32 MPH

Stats  
10 MPH Pace Speed : 21-30 MPH  
Number in Pace : 961  
Percent in Pace : 73.4%  
Number of Vehicles > 25 MPH : 598  
Percent of Vehicles > 25 MPH : 45.7%  
Mean Speed(Average) : 24 MPH

Washington St  
Between Franklin St & Railroad St  
Speed

Site Code: 0000001  
Station ID:  
Washington St  
Franklin St & Railroad St  
Latitude: 0' 0.0000 South

Start Time	04-Sep-17 Mon	05-Sep-17 Tue	06-Sep-17 Wed	07-Sep-17 Thu	08-Sep-17 Fri	Weekday Average	09-Sep-17 Sat	10-Sep-17 Sun
12:00 AM	*	*	*	3	*	3	*	*
01:00	*	*	*	1	*	1	*	*
02:00	*	*	*	0	*	0	*	*
03:00	*	*	*	1	*	1	*	*
04:00	*	*	*	0	*	0	*	*
05:00	*	*	*	7	*	7	*	*
06:00	*	*	*	16	*	16	*	*
07:00	*	*	*	61	*	61	*	*
08:00	*	*	*	75	*	75	*	*
09:00	*	*	*	55	*	55	*	*
10:00	*	*	*	66	*	66	*	*
11:00	*	*	*	94	*	94	*	*
12:00 PM	*	*	*	87	*	87	*	*
01:00	*	*	84	98	*	91	*	*
02:00	*	*	87	46	*	66	*	*
03:00	*	*	123	*	*	123	*	*
04:00	*	*	117	*	*	117	*	*
05:00	*	*	116	*	*	116	*	*
06:00	*	*	61	*	*	61	*	*
07:00	*	*	58	*	*	58	*	*
08:00	*	*	21	*	*	21	*	*
09:00	*	*	19	*	*	19	*	*
10:00	*	*	8	*	*	8	*	*
11:00	*	*	5	*	*	5	*	*
Total	0	0	699	610	0		0	0
Percentage	0.0%	0.0%	60.7%	53.0%	0.0%		0.0%	0.0%
AM Peak	-	-	-	11:00	-	-	-	-
Vol.	-	-	-	94	-	-	-	-
PM Peak	-	-	15:00	13:00	-	-	-	-
Vol.	-	-	123	98	-	-	-	-
Total		0	699					



# Speed Enforcement Evaluator

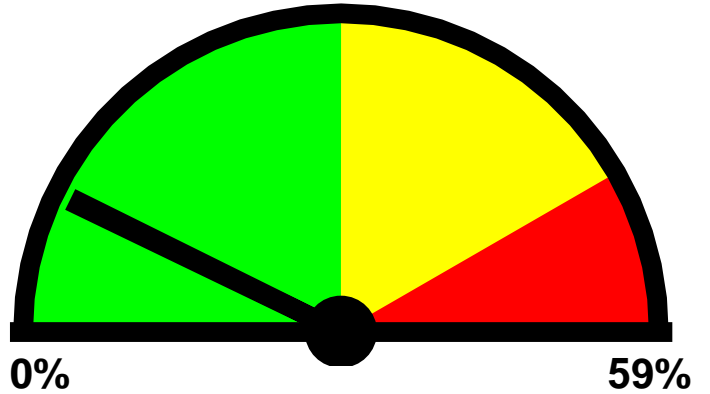
**Location:**  
**Washington St**

**Total Percentage of Enforceable Violations**

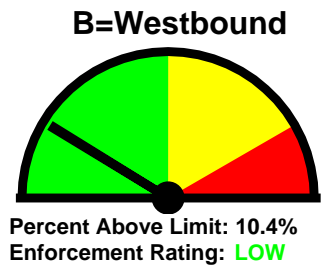
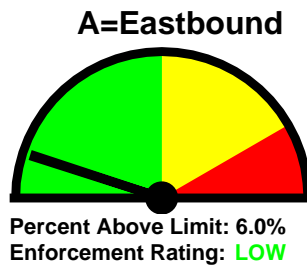
**Closest Cross Street:**  
Franklin St & Railroad St

**Analysis Dates:**  
Wednesday, September 06, 2017  
Thursday, September 07, 2017

**Equipment Used:**



**0%** **59%**  
**Posted Speed Limit:** 25 MPH  
**Enforcement Tolerance:** 5 MPH  
**Enforcement Limit:** 31 MPH & Up  
**Percentage Above Limit:** 8.6%  
**Enforcement Rating:** **LOW**



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	13	72	146	483	486	107	6	0	0	0	0	0	0

85 percentile = 28

A=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	9	30	74	226	163	29	3	0	0	0	0	0	0

85 percentile = 27

B=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	4	42	72	257	323	78	3	0	0	0	0	0	0

85 percentile = 29

# Best Times for Enforcement

**Location:**

**Washington St**

**Closest Cross Street:**

Franklin St & Railroad St

**Analysis Dates:**

Wednesday, September 06, 2017

Thursday, September 07, 2017

**Sun**

**Mon**

**Tue**

**Wed**

Combined: 4 PM to 6 PM

A=Eastbound: 4 PM to 6 PM

B=Westbound: 4 PM to 6 PM

**Thu**

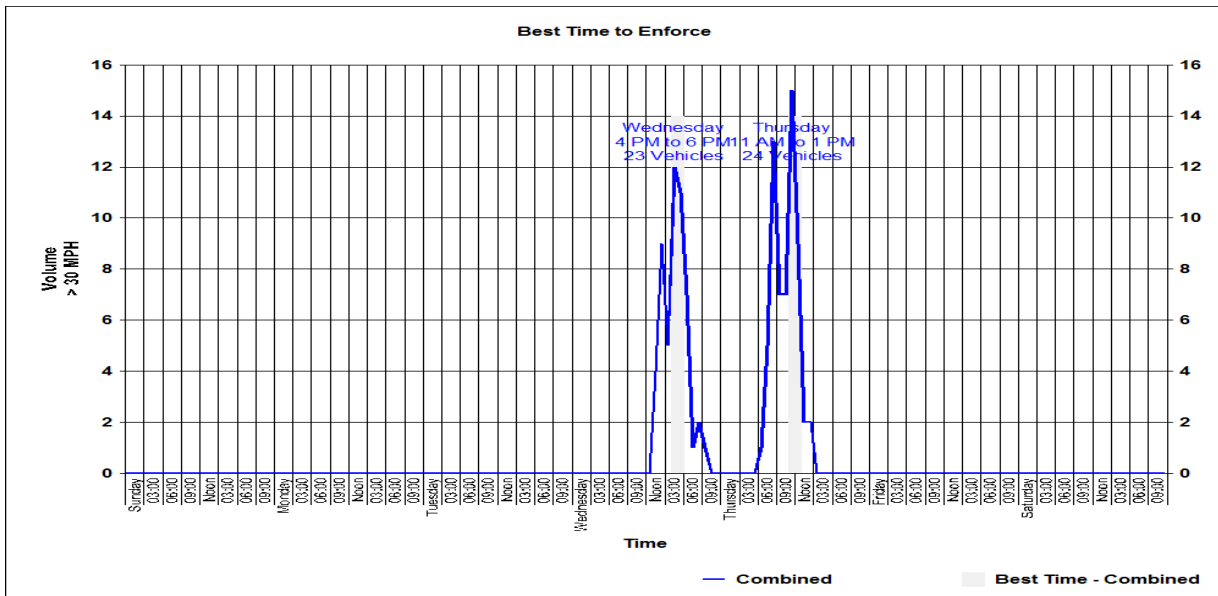
Combined: 11 AM to 1 PM

A=Eastbound: 11 AM to 1 PM

B=Westbound: 10 AM to Noon

**Fri**

**Sat**



# Washington St Between Franklin St & Railroad St Speed

