

**TOWNSHIP OF WATERFORD
COUNTY OF CAMDEN
STATE OF NEW JERSEY**

ORDINANCE NO. 2017-11

**ORDINANCE AMENDING CHAPTER 266 OF THE CODE OF THE
TOWNSHIP OF WATERFORD
CAPTIONED "VEHICLES AND TRAFFIC"**

WHEREAS, based on a review and study of traffic patterns on Bartram Avenue and First Street in the Township of Waterford, it has been determined that certain traffic restrictions should be placed on Bartram Avenue and removed from First Street as set forth hereinbelow, see Township Police Department Report attached hereto and incorporated by reference herein.

NOW THEREFORE, BE IT ORDAINED by the Mayor and Township Committee of the Township of Waterford, County of Camden, and State of New Jersey as follows:

SECTION 1. Chapter 266, Section 16, captioned "Stop Intersections" shall be amended as follows:

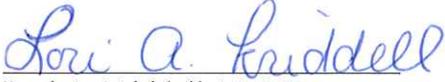
A. The Stop Signs on First Street shall be removed. Stop Signs shall be placed on Bartram Avenue as follows:

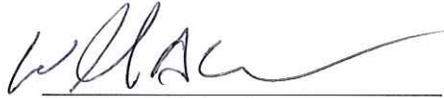
<u>Stop Sign On</u>	<u>Direction of Travel</u>	<u>At Intersection Of</u>
Bartram Avenue	Both Directions	First Street

SECTION 2. Regulatory and Warning Signs shall be posted as required related to these Ordinance Amendments once said Ordinance has been properly adopted.

SECTION 3. All Ordinances or parts of Ordinances inconsistent with this Ordinance are hereby repealed as to such inconsistency.

SECTION 4. This Ordinance shall take effect immediately upon adoption and publication as required law.


Lori A. Friddell, RMC
Township Clerk


William Richardson, Mayor

Introduced: March 8, 2017
Hearing: March 22, 2017
Adopted: March 22, 2017

Certified to be a true copy of an Ordinance adopted by the Mayor and Township Committee of the Township of Waterford at a regular meeting held on March 22, 2017 at the Waterford Township Municipal Building.

Date: March 22, 2017


Lori A. Friddell, RMC
Township Clerk



Waterford Township Police Department

2131 Auburn Avenue, Atco NJ 08004

Phone (856) 767-2134 ~ Fax (856)767-9407

Daniel Cormaney

Chief of Police

Date: 02/17/2017
To: D.P.S. Thomas Giangulio Jr. and Waterford Township Committee
From: Chief Daniel Cormaney
Re: Traffic Study (Bartram Avenue & First Street)

As a result of numerous complaints of speeding vehicles on Bartram Avenue, between First Street and Third Streets, a traffic study was conducted by this agency. The study was launched in an effort to acquire data to determine a course of action to be taken in order to address the safety issue being created by the high speeds of the vehicles. After reviewing the data from the study it was revealed that there is in fact an issue in the area with speeding vehicles, and I have developed a plan to enforce traffic violations in the area during targeted times.

In addition to the obvious solution of traffic enforcement in the area I did glean another relevant fact that I believe should be taken into consideration and addressed for the safety of the residents on Bartram Avenue. As you can see from the attached data of the traffic study, there is a much heavier volume of traffic traveling on Bartram Avenue as opposed to First Street in that area. The current traffic pattern is a stop sign located on both sides of First Street allowing Bartram Avenue to flow uninterrupted, and in my opinion contributing to the excessive speeds gleaned during the study. I would propose that the stop sign be moved from First Street to Bartram Avenue in both directions to interrupt the flow of traffic in attempt to slow vehicles down. As you can see in the data, this should not have much of an impact on the vehicles traveling on First Street as there is much less traffic volume on the roadway, but should assist in slowing down the traffic on Bartram Avenue.

As always, if you should have any questions please feel free to contact me.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Daniel Cormaney".

Chief Daniel Cormaney

**Waterford Twp Police Department
Bartram Avenue / First Street**

Speed Enforcement Evaluator

Location:
Bartram Avenue

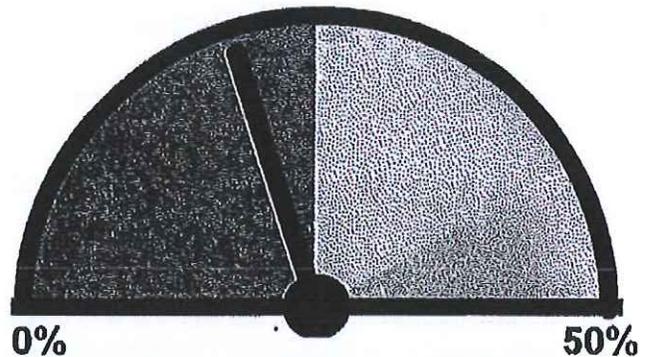
**Total Percentage of
Enforceable Violations**

Closest Cross Street:
First Street

Analysis Dates:
Sunday, January 22, 2017
Tuesday, January 31, 2017

Installed By:

Requested By:



Posted Speed Limit: 25 MPH
Enforcement Tolerance: 9 MPH
Enforcement Limit: 35 MPH & Up
Percentage Above Limit: 20.2%
Enforcement Rating: LOW

Lane1



Enforcement Rating: LOW

Lane2



Enforcement Rating: LOW

**Waterford Twp Police Department
Bartram Avenue / First Street**

Best Times for Enforcement

Location:
Bartram Avenue

GPS:
Not Available

Closest Cross Street:
First Street

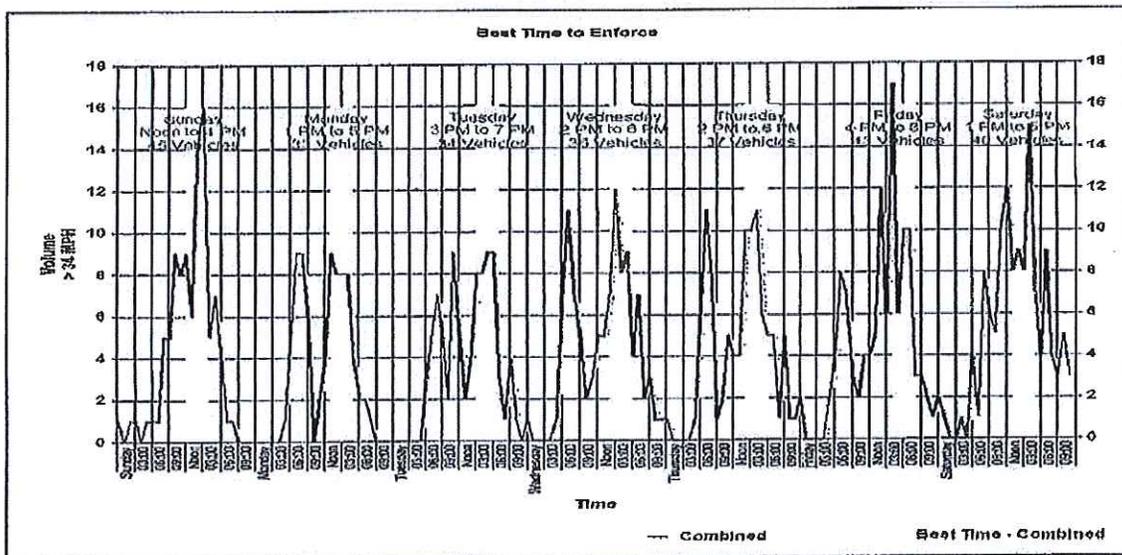
Analysis Dates:
Sunday, January 22, 2017
Tuesday, January 31, 2017

Equipment Used:

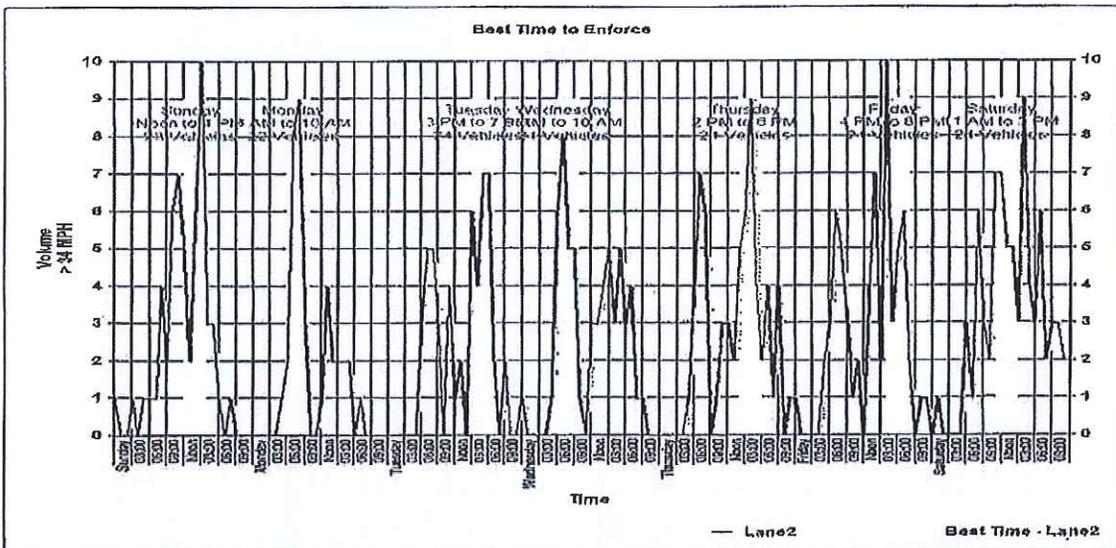
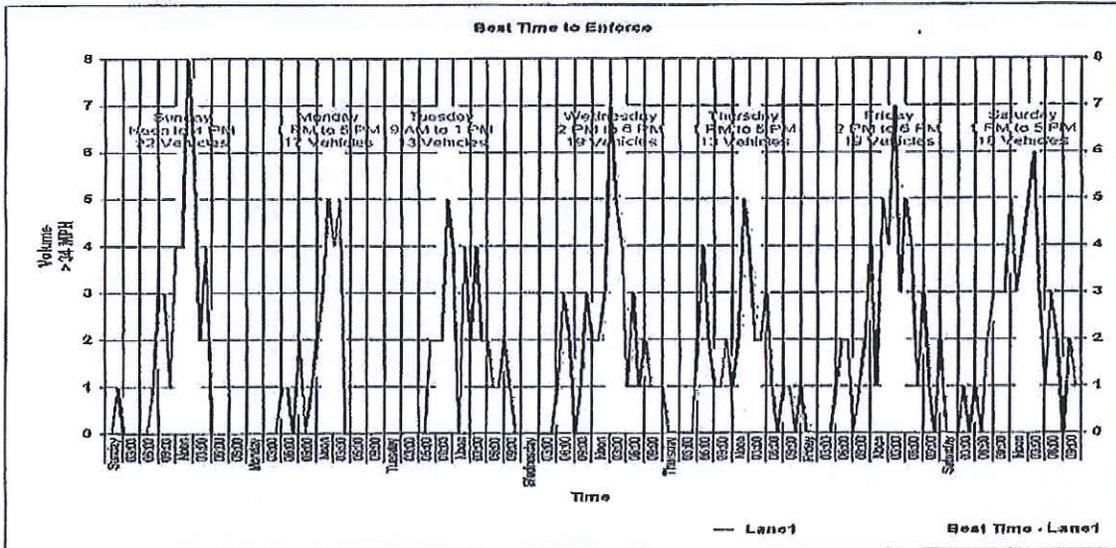
Installed By:

Requested By:

Sun	Combined: Noon to 4 PM Lane1: Noon to 4 PM Lane2: Noon to 4 PM
Mon	Combined: 1 PM to 5 PM Lane1: 1 PM to 5 PM Lane2: 6 AM to 10 AM
Tue	Combined: 3 PM to 7 PM Lane1: 9 AM to 1 PM Lane2: 3 PM to 7 PM
Wed	Combined: 2 PM to 6 PM Lane1: 2 PM to 6 PM Lane2: 6 AM to 10 AM
Thu	Combined: 2 PM to 6 PM Lane1: 1 PM to 5 PM Lane2: 2 PM to 6 PM
Fri	Combined: 4 PM to 8 PM Lane1: 2 PM to 6 PM Lane2: 4 PM to 8 PM
Sat	Combined: 1 PM to 5 PM Lane1: 1 PM to 5 PM Lane2: 11 AM to 3 PM



Waterford Twp Police Department Bartram Avenue / First Street



Waterford Twp Police Department

Bartram Avenue / First Street

Weather :
 Serial Number :
 Installed By :
 Other Notes :

Site Code: 00000001
 Station ID:
 Bartram Avenue
 First Street
 Latitude: 0' 0.0000 South

Volume Sorted By Speed for 22-Jan-17 to 31-Jan-17

Direction: Combined

Speed	Volume
9	4
10	5
11	28
12	58
13	76
14	128
15	143
16	115
17	110
18	72
19	65
20	69
21	59
22	67
23	74
24	90
25	134
26	199
27	211
28	247
29	237
30	252
31	236
32	247
33	236
34	197
35	161
36	138
37	117
38	91
39	87
40	61
41	37
42	43
43	27
44	24
45	23
46	14
47	6
48	2
49	1
50	2
51	1
52	3
53	0
54	1
55	2
56	0
57	1
58	1
59	0
60	0
61	0
62	0
63	0
64	0
65	0
66	0
67	1
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	0

**Waterford Twp Police Department
Bartram Avenue / First Street**

82	0
83	0
84	0
85	0
86	1
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	0
95	0
96	0
97	0
98	0
99	0
100	0
101	0
102	0
103	0
104	0
105	0
106	0
107	0
108	0
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135	0
136	0
137	0
138	0
139	0
140	0
141	0
142	0
143	0
144	0
145	0
146	0
147	0
148	0
149	0
150	0
151	0
152	0
153	0
154	0
155	0
156	0
157	0
158	0
159	0

Waterford Twp Police Department

Bartram Avenue / First Street

Weather :
 Serial Number :
 Installed By :
 Other Notes :

Site Code: 00000001
 Station ID:
 Bartram Avenue
 First Street
 Latitude: 0' 0.0000 South

Volume Sorted By Speed for 22-Jan-17 to 31-Jan-17

Direction: Lane 1

Speed	Volume
9	1
10	1
11	2
12	8
13	9
14	11
15	12
16	13
17	14
18	13
19	29
20	20
21	36
22	44
23	52
24	58
25	94
26	131
27	145
28	167
29	163
30	180
31	147
32	142
33	131
34	100
35	86
36	63
37	48
38	43
39	28
40	16
41	8
42	12
43	5
44	6
45	5
46	3
47	1
48	1
49	0
50	1
51	1
52	1
53	0
54	1
55	1
56	0
57	1
58	1
59	0
60	0
61	0
62	0
63	0
64	0
65	0
66	0
67	1
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	0

**Waterford Twp Police Department
Bartram Avenue / First Street**

82	0
83	0
84	0
85	0
86	1
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	0
95	0
96	0
97	0
98	0
99	0
100	0
101	0
102	0
103	0
104	0
105	0
106	0
107	0
108	0
109	0
110	0
111	0
112	0
113	0
114	0
115	0
116	0
117	0
118	0
119	0
120	0
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122	0
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126	0
127	0
128	0
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136	0
137	0
138	0
139	0
140	0
141	0
142	0
143	0
144	0
145	0
146	0
147	0
148	0
149	0
150	0
151	0
152	0
153	0
154	0
155	0
156	0
157	0
158	0
159	0

Waterford Twp Police Department

Bartram Avenue / First Street

Weather :
 Serial Number :
 Installed By :
 Other Notes :

Site Code: 00000001
 Station ID:
 Bartram Avenue
 First Street
 Latitude: 0' 0.0000 South

Volume Sorted By Speed for 22-Jan-17 to 31-Jan-17

Direction: Lane 2

Speed	Volume
9	3
10	4
11	24
12	60
13	67
14	115
15	131
16	102
17	90
18	60
19	36
20	41
21	23
22	13
23	22
24	34
25	40
26	68
27	66
28	80
29	84
30	92
31	91
32	105
33	105
34	97
35	75
36	75
37	69
38	48
39	59
40	45
41	29
42	31
43	22
44	18
45	18
46	11
47	5
48	1
49	1
50	1
51	0
52	2
53	0
54	0
55	1
56	0
57	0
58	0
59	0
60	0
61	0
62	0
63	0
64	0
65	0
66	0
67	0
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	0

Waterford Twp Police Department

Bartram Avenue / First Street

Weather :
 Serial Number :
 Installed By :
 Other Notes :

Site Code: 00000001
 Station ID:
 Bartram Avenue
 First Street
 Latitude: 0' 0.0000 South

Direction 1

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	42	97	282	756	606	198	36	6	4	2	0	3

85 percentile = 34

Direction 2

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	387	334	132	390	473	296	118	19	3	0	0	2

85 percentile = 36

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	9	429	431	414	1146	1079	494	154	25	7	2	0	5

85 percentile = 35

Waterford Twp Police Department

Bartram Avenue / First Street

Weather :
 Serial Number :
 Installed By :
 Other Notes :

Site Code: 00000001
 Station ID:
 Bartram Avenue
 First Street
 Latitude: 0' 0.0000 South

Direction 1															
Date\Speed (MPH)	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	Total
1/22/2017	0	0	4	6	4	0	2	1	0	0	0	0	0	0	17
1/23/2017	0	0	6	16	43	77	52	21	1	0	1	0	0	0	216
1/24/2017	0	1	5	11	29	86	63	23	3	0	0	0	0	2	223
1/25/2017	0	0	2	14	31	103	81	29	5	0	0	0	0	0	265
1/26/2017	0	1	5	14	38	97	79	19	5	0	1	0	0	0	259
1/27/2017	0	0	8	12	40	100	91	21	8	1	1	0	0	0	282
1/28/2017	0	0	3	8	33	102	76	31	6	3	1	1	0	1	265
1/29/2017	0	0	6	7	33	75	84	25	5	1	0	1	0	0	237
1/30/2017	0	0	1	10	28	110	72	28	3	1	0	0	0	0	253
1/31/2017	0	0	2	0	3	6	6	0	0	0	0	0	0	0	17
Direction 1 Total	0	2	42	97	282	756	606	198	36	6	4	2	0	3	2034

85 percentile = 34

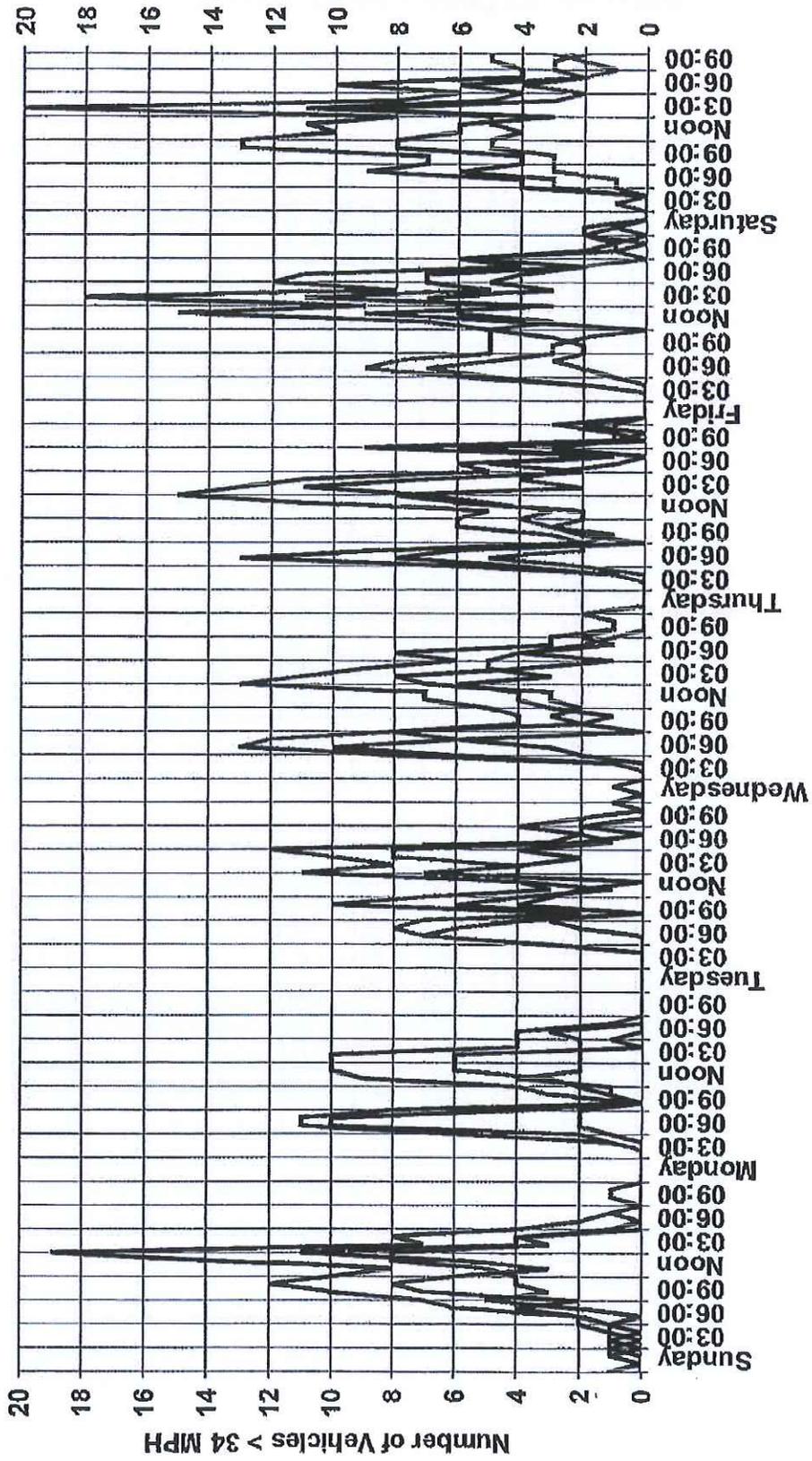
Direction 2															
Date\Speed (MPH)	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	>65	Total
1/22/2017	0	1	2	4	8	3	1	1	0	0	0	0	0	0	20
1/23/2017	0	6	338	265	27	51	47	29	13	2	0	0	0	1	779
1/24/2017	0	0	6	12	14	49	45	31	15	1	0	0	0	0	173
1/25/2017	0	0	8	8	15	43	55	32	19	1	0	0	0	0	181
1/26/2017	0	0	10	11	14	61	65	38	12	3	0	0	0	0	214
1/27/2017	0	0	6	10	13	43	72	39	16	2	2	0	0	0	203
1/28/2017	0	0	4	5	13	41	64	40	15	6	0	0	0	1	189
1/29/2017	0	0	3	4	9	35	52	37	14	2	1	0	0	0	157
1/30/2017	0	0	10	14	14	52	60	41	14	2	0	0	0	0	207
1/31/2017	0	0	0	1	5	12	12	8	0	0	0	0	0	0	38
Direction 2 Total	0	7	387	334	132	390	473	296	118	19	3	0	0	2	2161

85 percentile = 36

Combined															
Date\Speed (MPH)	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	Total
1/22/2017	0	1	6	10	12	3	3	2	0	0	0	0	0	0	37
1/23/2017	0	6	344	280	70	128	99	50	14	2	1	0	0	1	995
1/24/2017	0	1	11	23	43	135	108	54	18	1	0	0	0	2	396
1/25/2017	0	0	10	22	46	146	135	61	24	1	0	0	0	0	446
1/26/2017	0	1	15	25	52	158	144	57	17	3	1	0	0	0	473
1/27/2017	0	0	14	22	53	143	163	60	24	3	3	0	0	0	485
1/28/2017	0	0	7	13	46	143	140	71	21	9	1	1	0	2	454
1/29/2017	0	0	9	11	42	110	136	62	19	3	1	1	0	0	394
1/30/2017	0	0	11	24	42	162	132	69	17	3	0	0	0	0	460
1/31/2017	0	0	2	1	8	18	18	8	0	0	0	0	0	0	55
Combined Total	0	9	429	431	414	1146	1079	494	154	25	7	2	0	5	4195

85 percentile = 35

Speed as Total Volume



— Combined — Direction 1 — Direction 2