Memorandum

The City of Traverse City
Engineering Department

TO: Tim J. Lodge, P.E., City Engineer

FROM: Brogan Beyette, Engineering Intern

DATE: August 5, 2013

SUBJECT: Speed count on 8th St., E of Woodland Dr.

The City of Traverse City Engineering Department conducted an on-site speed count beginning Monday, July 29, 2013 at 9:00am and ending Monday, August 5, 2013 at 8:00am on 8th St., E of Woodland Dr.

The Jamar Radar Recorder gathered data for each lane of traffic; one lane east bound and one lane west bound. The speeds of each vehicle were recorded in the device and then compiled into TraxPro where the lanes were combined into one report, regardless of direction. The report divided the speeds into groups starting with 1-15 mph and each successive group at 5 mph increments. Each group shows how many vehicles were within that specific range of speed and at what times.

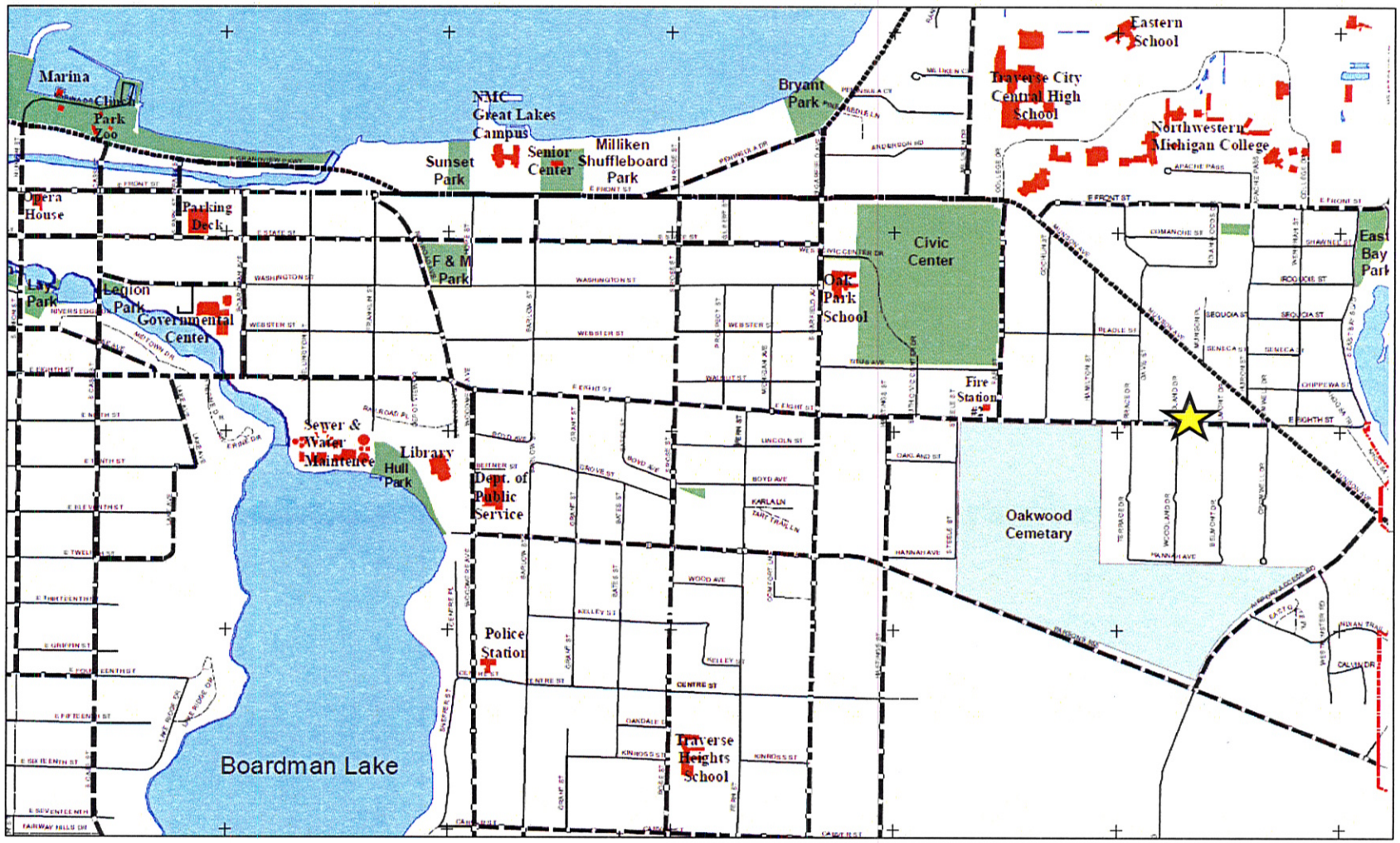
The speed limit of 8th St. at this location is 35 mph. According to the enclosed detailed speed report, the average speed of the vehicles was 35 mph. 48.9% of the vehicles were at 35 mph and less with 90.2% of all vehicles at 40 mph and less.

Summary:

- Speed Limit: 35 mph
- Average Speed: 35 mph
- Total Number of Vehicles: 51,646
- 24-hr ADT Weekday: 8,100 vehicles
- 24-hr ADT Weekend: 6,006 vehicles
- 15th Percentile: 29 mph
- 50th Percentile: 34 mph
- 85th Percentile: 39 mph
- 95th Percentile: 42 mph

Please note that the Film Festival began July 30, 2013 during this speed count.

Enclosed: Detailed TraxPro Speed Report
Location Map


Marina
Clinch Park Zoo
NMC Great Lakes Campus
Senior Center
Sunset Park
Milliken Shuffleboard Park
Bryant Park
Eastern School
Traverse City Central High School
Northwestern Michigan College
Opera House
Parking Deck
F & M Park
Civic Center
East Bay Park
Oak Park School
Legion Park
Governmental Center
Fire Station
Sewer & Water Maintence
Library
Hull Park
Dept. of Public Service
Oakwood Cemetary
Police Station
Traverse Heights School
Boardman Lake

8th St
(E of Woodland Dr)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
07/29/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	1	2	0	17	164	200	52	1	0	0	0	0	0	0	437	40	42
10:00	**3**	**6**	4	**37**	175	169	**56**	3	0	0	0	0	0	0	453	40	43
11:00	3	2	**6**	35	**189**	**237**	49	**5**	0	0	0	0	0	0	**526**	39	42
12 PM	1	3	3	44	221	**265**	52	3	0	0	0	0	0	0	592	39	42
13:00	**4**	0	4	**54**	225	235	39	2	**1**	0	0	0	0	0	564	39	41
14:00	**17**	6	2	39	234	217	43	**7**	0	0	0	0	0	0	565	39	42
15:00	13	**7**	**10**	51	242	265	48	5	0	0	0	0	0	0	**641**	39	42
16:00	6	6	4	32	**267**	245	**70**	4	0	0	0	0	0	0	634	39	42
17:00	5	6	8	47	258	246	50	5	0	0	0	0	0	0	625	39	42
18:00	7	5	1	35	163	189	48	4	1	0	0	0	0	0	453	40	43
19:00	1	1	1	24	118	170	24	5	0	0	0	0	0	0	344	39	42
20:00	3	0	2	19	121	110	27	1	1	0	0	0	0	0	284	39	42
21:00	4	2	1	34	122	69	17	0	0	0	0	0	0	0	249	38	41
22:00	0	1	4	19	58	43	6	1	1	0	0	0	0	0	133	38	41
23:00	0	0	5	13	34	26	4	0	0	0	0	0	0	0	82	38	40
Total	68	47	55	500	2591	2686	585	46	4	0	0	0	0	0	6582		
Percent	1.0%	0.7%	0.8%	7.6%	39.4%	40.8%	8.9%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	10:00	11:00	10:00	11:00	11:00	10:00	11:00							11:00		
Vol.	3	6	6	37	189	237	56	5							526		
PM Peak	14:00	15:00	15:00	13:00	16:00	12:00	16:00	14:00	13:00						15:00		
Vol.	17	7	10	54	267	265	70	7	1						641		

8th St
(E of Woodland Dr)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
07/30/13	0	0	0	2	9	17	0	0	0	0	0	0	0	0	28	38	40
01:00	0	0	0	4	2	5	2	0	0	0	0	0	0	0	13	40	43
02:00	0	1	0	3	5	3	1	0	0	0	0	0	0	0	13	38	41
03:00	1	0	1	2	3	2	0	0	0	0	0	0	0	0	9	36	38
04:00	0	0	0	0	8	8	3	0	0	0	0	0	0	0	19	40	43
05:00	2	0	0	6	15	21	6	1	0	0	0	0	0	0	51	40	43
06:00	**5**	1	2	5	44	70	18	3	0	0	0	0	0	0	148	40	43
07:00	3	**7**	3	16	108	179	38	4	0	0	0	0	0	0	358	40	43
08:00	3	4	**8**	27	137	195	34	**5**	**1**	0	0	0	0	0	414	39	42
09:00	4	1	2	43	143	185	**42**	2	0	0	0	0	0	0	422	39	42
10:00	3	2	6	32	206	190	36	3	0	**1**	0	0	0	0	479	39	42
11:00	3	2	3	**46**	**237**	**212**	40	1	0	0	0	0	0	0	**544**	39	41
12 PM	3	2	7	33	199	225	53	0	0	0	0	0	0	0	522	39	42
13:00	6	5	7	42	232	201	40	**6**	**2**	0	0	0	0	0	541	39	42
14:00	1	5	7	24	226	235	46	3	0	0	0	0	0	0	547	39	42
15:00	**7**	**8**	9	54	216	231	52	6	0	0	0	0	0	0	583	39	42
16:00	7	5	**11**	45	242	220	58	4	0	0	0	0	0	0	592	39	42
17:00	4	1	6	**58**	**263**	**239**	**63**	5	0	0	0	0	0	0	**639**	39	42
18:00	6	5	6	46	152	176	43	5	0	0	0	0	0	0	439	39	42
19:00	1	5	2	21	107	170	39	0	0	0	0	0	0	0	345	40	42
20:00	2	2	4	35	111	117	26	4	0	0	0	0	0	0	301	39	42
21:00	2	2	0	23	100	71	9	2	0	0	0	0	0	0	209	38	41
22:00	1	2	9	30	60	44	5	0	0	0	0	0	0	0	151	37	40
23:00	1	0	1	13	28	27	9	1	0	0	0	0	0	0	80	40	43
Total	65	60	94	610	2853	3043	663	55	3	1	0	0	0	0	7447		
Percent	0.9%	0.8%	1.3%	8.2%	38.3%	40.9%	8.9%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	06:00	07:00	08:00	11:00	11:00	11:00	09:00	08:00	08:00	10:00					11:00		
Vol.	5	7	8	46	237	212	42	5	1	1					544		
PM Peak	15:00	15:00	16:00	17:00	17:00	17:00	17:00	13:00	13:00						17:00		
Vol.	7	8	11	58	263	239	63	6	2						639		

8th St
(E of Woodland Dr)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
07/31/13	0	0	0	8	23	21	5	2	**1**	0	0	0	0	0	60	40	45
01:00	0	0	0	3	8	8	2	0	0	0	0	0	0	0	21	39	42
02:00	0	0	0	0	3	5	0	1	0	0	0	0	0	0	9	40	47
03:00	0	0	1	1	5	6	0	0	0	0	0	0	0	0	13	38	40
04:00	1	0	0	2	7	2	5	0	0	0	0	0	0	0	17	42	44
05:00	1	3	0	2	16	20	4	2	1	0	0	0	0	0	49	40	46
06:00	4	2	0	12	53	59	22	5	0	0	0	0	0	0	157	40	44
07:00	**8**	5	6	18	102	167	36	**7**	1	0	0	0	0	0	350	40	43
08:00	4	**6**	4	24	145	203	**60**	6	0	0	0	0	0	0	452	40	43
09:00	2	5	2	27	181	173	35	4	0	0	0	0	0	0	429	39	42
10:00	8	6	**8**	28	212	168	52	6	0	0	0	0	0	0	488	39	43
11:00	6	3	1	**58**	**256**	**218**	49	4	0	0	0	0	0	0	**595**	39	42
12 PM	**9**	8	**15**	**65**	**307**	258	41	1	**1**	0	0	0	0	0	**705**	38	41
13:00	5	8	1	58	272	277	51	2	0	0	0	0	0	0	674	39	41
14:00	4	3	8	57	224	273	52	3	0	0	0	0	0	0	624	39	42
15:00	5	2	2	30	276	230	41	4	1	0	0	0	0	0	591	39	41
16:00	3	4	0	46	272	251	52	5	0	0	0	0	0	0	633	39	42
17:00	3	5	3	47	244	**282**	**57**	2	0	0	0	0	0	0	643	39	42
18:00	4	**10**	6	42	199	206	43	**7**	1	0	0	0	0	0	518	39	42
19:00	5	4	7	33	158	165	26	2	0	0	0	0	0	0	400	39	41
20:00	1	2	1	33	194	144	20	0	0	0	0	0	0	0	395	38	41
21:00	2	3	2	43	86	63	16	1	0	0	0	0	0	0	216	38	41
22:00	0	4	1	21	72	59	8	0	0	0	0	0	0	0	165	38	41
23:00	0	0	1	19	69	42	6	1	0	0	0	0	0	0	138	38	41
Total	75	83	69	677	3384	3300	683	65	6	0	0	0	0	0	8342		
Percent	0.9%	1.0%	0.8%	8.1%	40.6%	39.6%	8.2%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	08:00	10:00	11:00	11:00	11:00	08:00	07:00	00:00						11:00		
Vol.	8	6	8	58	256	218	60	7	1						595		
PM Peak	12:00	18:00	12:00	12:00	12:00	17:00	17:00	18:00	12:00						12:00		
Vol.	9	10	15	65	307	282	57	7	1						705		

8th St
(E of Woodland Dr)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/01/13	0	0	1	3	19	12	4	0	0	0	0	0	0	0	39	39	42
01:00	0	0	0	4	7	3	5	0	0	0	0	0	0	0	19	42	44
02:00	0	0	1	3	6	4	1	0	0	0	0	0	0	0	15	38	41
03:00	0	0	0	1	5	2	0	0	0	0	0	0	0	0	8	37	39
04:00	2	0	0	2	8	3	2	0	0	0	0	0	0	0	17	38	42
05:00	1	4	0	8	8	17	8	1	0	0	0	0	0	0	47	41	44
06:00	1	3	0	2	34	62	23	2	0	0	0	0	0	0	127	41	44
07:00	1	3	2	18	127	197	50	2	0	0	0	0	0	0	400	40	43
08:00	5	**5**	2	19	159	238	37	**6**	0	0	0	0	0	0	471	39	42
09:00	4	4	**5**	30	207	256	**54**	5	0	0	0	0	0	0	565	39	42
10:00	6	1	5	29	197	234	44	3	0	0	0	0	0	0	519	39	42
11:00	**9**	3	4	**47**	**267**	**260**	50	4	0	0	0	0	0	0	**644**	39	42
12 PM	1	9	**9**	53	207	266	55	4	0	0	0	0	0	0	604	39	42
13:00	1	6	0	43	**291**	246	31	4	0	0	0	0	0	0	622	38	41
14:00	5	5	4	44	241	213	47	6	**2**	0	0	0	0	0	567	39	42
15:00	**10**	5	7	**68**	225	211	53	1	0	0	0	0	0	0	580	39	42
16:00	2	6	7	28	241	238	44	7	0	0	0	0	0	0	573	39	42
17:00	2	**11**	6	64	250	**272**	**65**	**12**	0	0	0	0	0	0	**682**	39	43
18:00	9	3	1	24	160	182	55	4	0	0	0	0	0	0	438	40	43
19:00	7	6	3	24	129	142	35	2	0	0	0	0	0	0	348	39	42
20:00	7	3	8	43	155	116	25	1	0	0	0	0	0	0	358	38	41
21:00	5	4	3	34	114	70	12	2	0	0	0	0	0	0	244	38	41
22:00	3	3	4	14	70	40	11	0	2	0	0	0	0	0	147	38	42
23:00	0	1	6	18	81	46	8	0	0	0	0	0	0	0	160	38	40
Total	81	85	78	623	3208	3330	719	66	4	0	0	0	0	0	8194		
Percent	1.0%	1.0%	1.0%	7.6%	39.2%	40.6%	8.8%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	08:00	09:00	11:00	11:00	11:00	09:00	08:00							11:00		
Vol.	9	5	5	47	267	260	54	6							644		
PM Peak	15:00	17:00	12:00	15:00	13:00	17:00	17:00	17:00	14:00						17:00		
Vol.	10	11	9	68	291	272	65	12	2						682		

8th St
(E of Woodland Dr)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/02/13	0	1	1	17	27	13	1	0	0	0	0	0	0	0	60	36	39
01:00	0	0	1	3	14	7	0	0	0	0	0	0	0	0	25	37	39
02:00	1	0	2	3	9	3	3	1	0	0	0	0	0	0	22	40	45
03:00	0	0	0	1	2	2	0	0	0	0	0	0	0	0	5	38	39
04:00	0	0	1	1	10	7	2	0	0	0	0	0	0	0	21	39	42
05:00	0	2	0	6	14	21	3	0	0	0	0	0	0	0	46	39	41
06:00	3	5	1	6	28	63	22	1	0	0	0	0	0	0	129	41	43
07:00	3	1	3	20	121	171	45	1	0	0	0	0	0	0	365	40	43
08:00	**9**	**11**	5	33	153	183	50	3	0	**1**	0	0	0	0	448	40	43
09:00	7	10	6	**65**	185	160	35	3	0	0	0	0	0	0	471	39	41
10:00	2	5	**7**	51	201	229	46	0	0	0	0	0	0	0	541	39	42
11:00	6	4	6	48	**238**	**241**	**53**	**5**	**1**	0	0	0	0	0	**602**	39	42
12 PM	3	4	8	46	277	233	57	5	0	0	0	0	0	0	633	39	42
13:00	2	8	4	44	228	265	57	1	0	0	0	0	0	0	609	39	42
14:00	8	5	8	**61**	263	256	59	4	0	0	0	0	0	0	664	39	42
15:00	6	1	**9**	57	**279**	277	39	1	0	0	0	0	0	0	**669**	39	41
16:00	1	7	1	39	258	263	61	7	0	0	0	0	0	0	637	39	42
17:00	**9**	**10**	9	29	200	**299**	**71**	**9**	**1**	0	0	0	0	0	637	40	43
18:00	4	5	2	19	171	213	66	8	1	0	0	0	0	0	489	40	43
19:00	3	5	4	22	137	141	42	5	0	0	0	0	0	0	359	40	43
20:00	4	2	2	33	168	119	28	0	0	0	0	0	0	0	356	39	41
21:00	4	1	4	32	123	63	12	0	1	0	0	0	0	0	240	38	41
22:00	6	4	4	39	90	78	7	0	0	0	0	0	0	0	228	38	40
23:00	2	0	7	30	64	52	6	0	0	0	0	0	0	0	161	38	40
Total	83	91	95	705	3260	3359	765	54	4	1	0	0	0	0	8417		
Percent	1.0%	1.1%	1.1%	8.4%	38.7%	39.9%	9.1%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	10:00	09:00	11:00	11:00	11:00	11:00	11:00	08:00					11:00		
Vol.	9	11	7	65	238	241	53	5	1	1					602		
PM Peak	17:00	17:00	15:00	14:00	15:00	17:00	17:00	17:00	17:00						15:00		
Vol.	9	10	9	61	279	299	71	9	1						669		

8th St
(E of Woodland Dr)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/03/13	2	0	2	10	46	35	3	0	0	0	0	0	0	0	98	38	40
01:00	3	1	2	10	26	8	1	1	0	0	0	0	0	0	52	36	40
02:00	1	1	0	4	13	17	2	0	0	0	0	0	0	0	38	39	41
03:00	0	0	0	0	6	8	1	0	0	0	0	0	0	0	15	39	41
04:00	0	1	1	1	8	7	1	0	0	0	0	0	0	0	19	38	41
05:00	1	3	2	0	15	10	6	1	0	0	0	0	0	0	38	40	44
06:00	2	2	3	8	16	37	8	2	0	0	0	0	0	0	78	40	43
07:00	3	2	5	8	47	63	25	3	**1**	0	0	0	0	0	157	41	44
08:00	**6**	**7**	**8**	17	101	130	26	5	0	0	0	0	0	0	300	39	42
09:00	4	1	3	25	128	123	38	3	0	0	0	0	0	0	325	40	43
10:00	4	4	3	35	173	**212**	**39**	3	0	0	0	0	0	0	473	39	42
11:00	3	3	3	**50**	**241**	206	35	**11**	0	0	0	0	0	0	**552**	39	42
12 PM	6	7	4	36	173	**232**	40	2	0	0	0	0	0	0	**500**	39	42
13:00	4	8	**5**	28	145	209	48	5	0	0	0	0	0	0	452	40	43
14:00	**8**	2	5	**40**	169	199	43	4	0	0	0	0	0	0	470	39	42
15:00	6	5	2	31	158	203	38	**7**	0	**1**	0	0	0	0	451	39	43
16:00	4	**10**	3	27	**192**	185	38	3	0	0	0	0	0	0	462	39	42
17:00	8	6	3	19	152	181	**58**	4	0	0	0	0	0	0	431	40	43
18:00	4	3	5	30	136	159	45	3	0	0	0	0	0	0	385	40	43
19:00	2	0	2	27	117	135	28	1	0	0	0	0	0	0	312	39	42
20:00	5	3	2	13	99	110	19	4	0	1	0	0	0	0	256	39	42
21:00	2	3	4	33	124	71	15	1	0	0	0	0	0	0	253	38	41
22:00	1	1	2	22	112	45	6	1	**1**	0	0	0	0	0	191	37	40
23:00	0	0	2	26	79	49	8	0	0	0	0	0	0	0	164	38	40
Total	79	73	71	500	2476	2634	571	64	2	2	0	0	0	0	6472		
Percent	1.2%	1.1%	1.1%	7.7%	38.3%	40.7%	8.8%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	08:00	11:00	11:00	10:00	10:00	11:00	07:00						11:00		
Vol.	6	7	8	50	241	212	39	11	1						552		
PM Peak	14:00	16:00	13:00	14:00	16:00	12:00	17:00	15:00	22:00	15:00					12:00		
Vol.	8	10	5	40	192	232	58	7	1	1					500		

8th St
(E of Woodland Dr)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/04/13	0	0	1	16	58	37	7	1	0	0	0	0	0	0	120	38	41
01:00	2	1	0	7	23	16	3	0	0	0	0	0	0	0	52	38	41
02:00	0	0	0	3	14	14	3	0	0	0	0	0	0	0	34	39	42
03:00	2	0	0	0	7	7	1	1	0	0	0	0	0	0	18	39	45
04:00	0	0	1	1	4	2	0	0	0	0	0	0	0	0	8	36	39
05:00	2	2	0	3	7	9	1	1	0	0	0	0	0	0	25	38	43
06:00	1	0	0	5	11	24	7	0	0	0	0	0	0	0	48	40	43
07:00	1	4	2	9	33	41	10	**3**	**1**	0	0	0	0	0	104	40	44
08:00	4	**8**	3	18	56	105	25	2	0	0	0	0	0	0	221	40	43
09:00	1	3	**4**	20	90	100	30	0	0	0	0	0	0	0	248	40	42
10:00	**7**	4	3	42	131	130	**52**	3	0	0	0	0	0	0	372	40	43
11:00	3	4	4	**55**	**196**	**173**	35	1	0	0	0	0	0	0	**471**	39	41
12 PM	**5**	4	2	**37**	**203**	183	34	6	0	0	0	0	0	0	**474**	39	42
13:00	2	6	4	34	167	**192**	42	2	0	0	0	0	0	0	449	39	42
14:00	5	**7**	3	20	175	169	41	**7**	**1**	0	0	0	0	0	428	39	43
15:00	1	2	1	24	156	174	41	4	0	0	0	0	0	0	403	40	43
16:00	5	3	2	19	140	148	48	5	0	0	0	0	0	0	370	40	43
17:00	3	7	3	31	140	173	44	4	0	**1**	0	0	0	0	406	40	43
18:00	3	3	5	27	124	131	**49**	1	0	0	0	0	0	0	343	40	43
19:00	2	5	**6**	28	81	94	27	3	0	0	0	0	0	0	246	40	43
20:00	4	2	5	17	107	98	26	3	0	0	0	0	0	0	262	39	43
21:00	0	4	5	17	74	72	9	2	0	0	0	0	0	0	183	39	41
22:00	0	1	2	22	68	31	7	2	0	0	0	0	0	0	133	38	41
23:00	2	4	0	15	53	40	7	0	0	0	0	0	0	0	121	38	41
Total	55	74	56	470	2118	2163	549	51	2	1	0	0	0	0	5539		
Percent	1.0%	1.3%	1.0%	8.5%	38.2%	39.1%	9.9%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	08:00	09:00	11:00	11:00	11:00	10:00	07:00	07:00						11:00		
Vol.	7	8	4	55	196	173	52	3	1						471		
PM Peak	12:00	14:00	19:00	12:00	12:00	13:00	18:00	14:00	14:00	17:00					12:00		
Vol.	5	7	6	37	203	192	49	7	1	1					474		

8th St
(E of Woodland Dr)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/05/13	0	0	0	2	14	14	3	0	0	0	0	0	0	0	33	39	42
01:00	0	0	0	3	4	5	1	0	0	0	0	0	0	0	13	39	41
02:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4	38	40
03:00	**1**	0	0	3	4	5	1	1	0	0	0	0	0	0	15	40	46
04:00	1	0	**1**	1	4	4	3	1	0	0	0	0	0	0	15	42	46
05:00	1	2	1	5	9	26	5	2	0	0	0	0	0	0	51	40	44
06:00	1	2	1	**7**	42	69	22	3	0	0	0	0	0	0	147	41	44
07:00	0	**6**	1	7	**118**	**185**	**51**	**6**	**1**	0	0	0	0	0	**375**	40	44
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	4	10	4	28	197	310	86	13	1	0	0	0	0	0	653		
Percent	0.6%	1.5%	0.6%	4.3%	30.2%	47.5%	13.2%	2.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	03:00	07:00	04:00	06:00	07:00	07:00	07:00	07:00	07:00						07:00		
Vol.	1	6	1	7	118	185	51	6	1						375		
PM Peak Vol.																	
Grand Total	510	523	522	4113	20087	20825	4621	414	26	5	0	0	0	0	51646		
Percent	1.0%	1.0%	1.0%	8.0%	38.9%	40.3%	8.9%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile :	29 MPH
50th Percentile :	34 MPH
85th Percentile :	39 MPH
95th Percentile :	42 MPH

Statistics

10 MPH Pace Speed :	31-40 MPH
Number in Pace :	36576
Percent in Pace :	70.8%
Number of Vehicles > 35 MPH :	25891
Percent of Vehicles > 35 MPH :	50.1%
Mean Speed(Average) :	35 MPH

Statistics

Mean Speed(Average) :	35 MPH
10 MPH Pace Speed :	31-40 MPH
Number in Pace :	36576
Percent in Pace :	70.8%
Number of Vehicles > 35 MPH :	25891
Percent of Vehicles > 35 MPH :	50.1%