Memorandum

The City of Traverse City
Engineering Department

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

FROM: Kyle Kobylski, Engineering Aide

DATE: September 23rd, 2013

SUBJECT: Speed count on Cass St., South of 17th St.

The City of Traverse City Engineering Department conducted an on-site speed count beginning Tuesday, Sept. 10th, 2013 at 3:00pm and ending Tuesday, Sept. 17th 17, 2013 at 3:00pm on Cass St., at the 9th St. intersection.

The Jamar Radar Recorder gathered data for each lane of traffic; one lane north bound and one lane south 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 Cass St. is 35 mph in the location. According to the enclosed detailed speed report, the average speed of the vehicles was 37 mph. 29.1% of the vehicles were at 35 mph and less with 76.3% of all vehicles at 40 mph and less.

Summary:

- Speed Limit: 35 mph
- Average Speed: 37 mph
- Total Number of Vehicles: 72,961
- 24-hr ADT Weekday: 12,149 vehicles
- 24-hr ADT Weekend: 10,162 vehicles
- 15th Percentile: 31 mph
- 50th Percentile: 37 mph
- 85th Percentile: 42 mph
- 95th Percentile: 45 mph

Enclosed: Detailed TraxPro Speed Report
Location Map

Cass St.
(S. of 17th St.)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	0 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 9999	Total	85th Percent	95th Percent
09/10/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	6	**10**	**43**	250	**518**	199	23	**2**	**1**	0	0	0	0	**1056**	41	44
16:00	**8**	**8**	7	31	**261**	477	208	**26**	1	1	0	0	0	0	1028	41	44
17:00	0	1	3	25	223	515	**213**	19	0	0	0	0	0	0	999	41	44
18:00	5	0	0	22	119	270	125	21	0	0	0	0	0	0	562	42	45
19:00	1	0	0	17	87	210	108	17	2	0	0	0	0	0	442	42	45
20:00	3	1	1	21	91	180	68	10	0	0	0	0	0	0	375	41	44
21:00	2	0	4	3	56	113	29	8	0	0	0	0	0	0	215	41	44
22:00	3	0	0	9	39	74	24	3	1	0	0	0	0	0	153	41	44
23:00	1	0	0	3	33	31	13	3	1	0	0	0	0	0	85	41	45
Total	27	16	25	174	1159	2388	987	130	7	2	0	0	0	0	4915		
Percent	0.5%	0.3%	0.5%	3.5%	23.6%	48.6%	20.1%	2.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	16:00 8	16:00 8	15:00 10	15:00 43	16:00 261	15:00 518	17:00 213	16:00 26	15:00 2	15:00 1					15:00 1056		

Cass St.
(S. of 17th St.)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	0 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 9999	Total	85th Percent	95th Percent
09/11/13	0	0	0	5	19	15	7	0	0	0	0	0	0	0	46	40	43
01:00	0	0	1	2	6	8	5	1	0	0	0	0	0	0	23	42	45
02:00	0	0	0	6	10	9	3	0	0	0	0	0	0	0	28	39	42
03:00	2	1	1	3	14	9	5	2	0	0	0	0	0	0	37	41	45
04:00	2	0	1	6	23	13	3	0	0	0	0	0	0	0	48	38	41
05:00	1	0	0	13	60	67	16	3	1	0	0	0	0	0	161	40	43
06:00	2	0	1	25	91	155	44	2	0	0	0	0	0	0	320	40	43
07:00	2	0	5	27	**214**	**375**	139	15	1	0	0	0	0	0	**778**	41	44
08:00	**8**	2	**9**	**34**	185	368	**151**	15	1	0	0	0	0	0	773	41	44
09:00	8	2	6	28	173	290	116	9	**3**	0	0	0	0	0	635	41	44
10:00	5	**3**	8	20	154	328	119	**19**	1	**1**	0	0	0	0	658	41	44
11:00	6	3	4	28	186	375	137	17	2	0	0	0	0	0	758	41	44
12 PM	**9**	3	9	23	211	402	169	18	0	0	0	0	0	0	844	41	44
13:00	1	1	2	24	197	408	170	17	1	0	0	0	0	0	821	41	44
14:00	7	1	**17**	**49**	212	404	156	14	1	0	0	0	0	0	861	41	44
15:00	4	5	9	47	**287**	498	**194**	**22**	**5**	0	0	0	0	0	**1071**	41	44
16:00	4	**8**	12	35	212	499	193	11	3	0	0	0	0	0	977	41	44
17:00	6	4	3	27	242	**532**	192	21	2	0	0	0	0	0	1029	41	44
18:00	2	2	0	13	163	363	171	18	0	0	0	0	0	0	732	42	44
19:00	4	0	1	10	115	232	116	17	2	0	0	0	0	0	497	42	45
20:00	2	0	2	18	109	143	81	14	2	0	**1**	0	0	0	372	42	45
21:00	0	0	0	16	90	174	33	8	0	0	0	0	0	0	321	40	43
22:00	1	0	0	6	48	51	27	5	0	0	0	0	0	0	138	42	45
23:00	0	0	1	9	29	49	27	5	0	0	0	0	0	0	120	42	45
Total	76	35	92	474	3050	5767	2274	253	25	1	1	0	0	0	12048		
Percent	0.6%	0.3%	0.8%	3.9%	25.3%	47.9%	18.9%	2.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	10:00	08:00	08:00	07:00	07:00	08:00	10:00	09:00	10:00					07:00		
Vol.	8	3	9	34	214	375	151	19	3	1					778		
PM Peak	12:00	16:00	14:00	14:00	15:00	17:00	15:00	15:00	15:00		20:00				15:00		
Vol.	9	8	17	49	287	532	194	22	5		1				1071		

Cass St.
(S. of 17th St.)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	0 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 9999	Total	85th Percent	95th Percent
09/12/13	1	0	0	4	15	11	6	2	0	0	0	0	0	0	39	41	45
01:00	0	0	0	4	6	19	4	0	**2**	0	0	0	0	0	35	41	50
02:00	0	0	0	2	4	12	8	3	1	0	0	0	0	0	30	45	49
03:00	0	0	0	1	10	19	7	1	0	0	0	0	0	0	38	41	44
04:00	0	0	1	3	10	19	8	1	1	0	0	0	0	0	43	42	45
05:00	2	1	2	9	67	64	28	6	0	0	0	0	0	0	179	41	44
06:00	1	0	0	17	93	141	54	5	1	0	0	0	0	0	312	41	44
07:00	2	1	5	20	**215**	355	**146**	19	0	0	0	0	0	0	763	41	44
08:00	2	2	8	**48**	206	**389**	129	16	0	0	0	0	0	0	**800**	41	44
09:00	1	2	7	25	159	329	131	16	2	0	0	0	0	0	672	41	44
10:00	4	4	**10**	42	137	286	107	13	0	0	0	0	0	0	603	41	44
11:00	**5**	**6**	4	42	170	352	144	**25**	2	0	0	0	0	0	750	41	45
12 PM	2	**5**	17	38	204	384	205	16	**3**	0	0	0	0	0	874	42	44
13:00	7	1	9	29	219	379	157	16	0	0	0	0	0	0	817	41	44
14:00	4	1	**22**	**48**	201	420	172	16	3	0	0	0	0	0	887	41	44
15:00	**9**	4	10	38	220	**503**	231	**28**	2	0	0	0	0	0	**1045**	42	45
16:00	4	3	10	35	194	487	182	24	0	0	0	0	0	0	939	41	44
17:00	4	2	3	48	**238**	460	**249**	23	1	0	0	0	0	0	1028	42	44
18:00	0	1	5	14	166	357	172	20	1	0	0	0	0	0	736	42	45
19:00	0	0	1	15	110	206	132	15	0	0	0	0	0	0	479	42	45
20:00	6	0	4	23	104	145	76	6	1	0	0	0	0	0	365	41	44
21:00	2	1	0	14	94	133	58	8	1	0	0	0	0	0	311	41	44
22:00	0	0	0	7	52	73	31	8	0	0	0	0	0	0	171	42	45
23:00	0	0	0	0	25	34	16	4	0	0	0	0	0	0	79	42	45
Total	56	34	118	526	2919	5577	2453	291	21	0	0	0	0	0	11995		
Percent	0.5%	0.3%	1.0%	4.4%	24.3%	46.5%	20.5%	2.4%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	10:00	08:00	07:00	08:00	07:00	11:00	01:00						08:00		
Vol.	5	6	10	48	215	389	146	25	2						800		
PM Peak	15:00	12:00	14:00	14:00	17:00	15:00	17:00	15:00	12:00						15:00		
Vol.	9	5	22	48	238	503	249	28	3						1045		

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Direction 1, Direction 2

Start Time	0 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 9999	Total	85th Percent	95th Percent
09/13/13	0	0	0	3	11	13	13	2	0	0	0	0	0	0	42	43	45
01:00	0	0	0	2	9	9	2	1	0	0	0	0	0	0	23	40	44
02:00	0	0	0	4	8	9	11	0	0	0	0	0	0	0	32	42	44
03:00	1	0	1	1	6	12	7	1	0	0	0	0	0	0	29	42	45
04:00	0	0	0	2	16	21	11	1	0	0	0	0	0	0	51	41	44
05:00	1	0	0	6	40	71	34	3	0	**1**	0	0	0	0	156	42	44
06:00	2	0	1	15	80	129	52	5	0	0	0	0	0	0	284	41	44
07:00	0	1	0	27	**190**	379	135	18	0	0	0	0	0	0	750	41	44
08:00	0	**5**	1	24	178	372	163	18	**4**	0	0	0	0	0	765	42	45
09:00	5	1	5	25	150	297	133	18	1	0	0	0	0	0	635	42	45
10:00	**6**	3	6	28	166	305	128	14	0	0	0	0	0	0	656	41	44
11:00	2	0	**7**	**31**	184	**397**	**171**	**22**	0	0	0	0	0	0	**814**	42	44
12 PM	5	2	**13**	22	196	464	199	27	2	0	0	0	0	0	930	42	45
13:00	2	0	7	27	193	450	204	25	0	0	0	0	0	0	908	42	45
14:00	1	1	8	30	177	454	**253**	24	1	0	0	0	0	0	949	42	45
15:00	4	**6**	3	24	214	480	246	**28**	2	0	0	0	0	0	1007	42	45
16:00	5	1	13	**51**	215	497	209	26	**5**	0	0	0	0	0	1022	42	45
17:00	**6**	0	3	36	**267**	**518**	192	20	1	0	0	0	0	0	**1043**	41	44
18:00	3	0	3	24	189	440	187	25	1	**1**	0	0	0	0	873	42	45
19:00	6	0	1	6	103	258	122	16	1	0	0	0	0	0	513	42	45
20:00	4	1	2	20	93	180	63	10	1	0	0	0	0	0	374	41	44
21:00	2	0	0	26	110	190	59	5	1	0	0	0	0	0	393	40	44
22:00	2	0	2	22	254	298	73	5	1	0	0	0	0	0	657	40	43
23:00	0	0	3	4	28	52	30	6	0	0	0	0	0	0	123	42	45
Total	57	21	79	460	3077	6295	2697	320	21	2	0	0	0	0	13029		
Percent	0.4%	0.2%	0.6%	3.5%	23.6%	48.3%	20.7%	2.5%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	08:00	11:00	11:00	07:00	11:00	11:00	11:00	08:00	05:00					11:00		
Vol.	6	5	7	31	190	397	171	22	4	1					814		
PM Peak	17:00	15:00	12:00	16:00	17:00	17:00	14:00	15:00	16:00	18:00					17:00		
Vol.	6	6	13	51	267	518	253	28	5	1					1043		

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(S. of 17th St.)
Speed

Site Code: 00000001
Station ID:

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Direction 1, Direction 2

Start Time	0 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 9999	Total	85th Percent	95th Percent
09/14/13	0	0	0	3	15	26	13	1	0	0	0	0	0	0	58	42	44
01:00	0	0	0	1	11	14	4	0	0	0	0	0	0	0	30	40	43
02:00	0	0	0	2	11	15	11	1	0	0	0	0	0	0	40	42	45
03:00	0	0	0	1	7	17	9	0	0	0	0	0	0	0	34	42	44
04:00	0	0	0	1	4	9	1	0	0	0	0	0	0	0	15	39	41
05:00	0	0	1	3	15	24	10	2	1	0	0	0	0	0	56	42	46
06:00	0	0	2	5	22	41	21	4	0	0	0	0	0	0	95	42	45
07:00	0	0	1	7	22	97	45	10	0	0	0	0	0	0	182	43	46
08:00	0	**2**	2	8	52	131	83	23	**2**	**2**	0	0	0	0	305	44	47
09:00	3	2	4	18	93	205	116	**30**	2	1	0	0	0	0	474	43	46
10:00	**4**	1	**6**	**22**	**146**	269	103	15	0	0	0	0	0	0	566	41	44
11:00	0	1	5	13	136	**306**	**169**	19	2	0	**1**	**1**	0	0	**653**	42	45
12 PM	4	0	**5**	**24**	118	**320**	**185**	**31**	1	0	0	0	0	0	**688**	43	45
13:00	**5**	**1**	2	17	120	304	154	20	**3**	0	0	0	0	0	626	42	45
14:00	0	1	0	13	119	237	154	20	1	0	0	0	0	0	545	43	45
15:00	2	0	3	13	**142**	280	125	19	0	0	0	0	0	0	584	42	45
16:00	0	1	0	9	111	220	125	24	2	0	0	0	0	0	492	43	46
17:00	2	0	2	14	89	228	109	15	0	0	0	0	0	0	459	42	45
18:00	0	0	0	12	78	175	88	20	1	0	0	0	0	0	374	43	46
19:00	1	0	2	11	61	149	73	11	1	**1**	0	0	0	0	310	42	45
20:00	2	0	0	14	79	104	46	4	0	0	0	0	0	0	249	41	44
21:00	2	1	1	8	51	96	45	8	0	1	0	0	0	0	213	42	45
22:00	0	0	1	7	40	63	24	8	0	1	0	0	0	0	144	42	46
23:00	0	0	1	5	26	45	20	6	1	0	0	0	0	0	104	42	46
Total	25	10	38	231	1568	3375	1733	291	17	6	1	1	0	0	7296		
Percent	0.3%	0.1%	0.5%	3.2%	21.5%	46.3%	23.8%	4.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	08:00	10:00	10:00	10:00	11:00	11:00	09:00	08:00	08:00	11:00	11:00			11:00		
Vol.	4	2	6	22	146	306	169	30	2	2	1	1			653		
PM Peak	13:00	13:00	12:00	12:00	15:00	12:00	12:00	12:00	13:00	19:00					12:00		
Vol.	5	1	5	24	142	320	185	31	3	1					688		

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Direction 1, Direction 2

Start Time	0 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 9999	Total	85th Percent	95th Percent
09/15/13	0	0	0	3	5	21	9	0	0	0	0	0	0	0	38	41	44
01:00	0	0	0	1	8	17	11	2	1	0	0	0	0	0	40	43	47
02:00	0	0	1	1	12	13	8	0	0	0	0	0	0	0	35	41	44
03:00	0	0	0	2	7	14	4	2	0	0	0	0	0	0	29	42	46
04:00	0	0	0	0	3	10	1	1	0	0	0	0	0	0	15	40	46
05:00	0	0	0	1	8	14	10	2	0	0	0	0	0	0	35	43	46
06:00	0	**1**	0	1	12	32	20	2	0	0	0	0	0	0	68	42	45
07:00	0	0	**3**	4	25	41	20	1	0	0	0	0	0	0	94	41	44
08:00	0	1	1	3	40	80	42	6	**2**	0	0	0	0	0	175	42	45
09:00	0	0	0	8	54	94	40	13	0	0	0	0	0	0	209	42	46
10:00	0	0	1	13	**89**	**168**	76	8	1	0	0	0	0	0	356	42	44
11:00	0	0	0	**20**	89	165	**85**	**14**	1	**1**	0	0	0	0	**375**	42	45
12 PM	0	0	1	**23**	**150**	**230**	95	7	1	0	0	0	0	0	**507**	41	44
13:00	**6**	0	1	7	109	226	93	11	0	0	0	0	0	0	453	41	44
14:00	2	0	0	9	101	217	112	10	1	0	0	0	0	0	452	42	45
15:00	2	0	**4**	9	103	184	90	11	1	**1**	0	0	0	0	405	42	45
16:00	2	**1**	2	9	80	176	**127**	14	0	0	0	0	0	0	411	43	45
17:00	0	1	0	3	51	127	88	**20**	**2**	0	0	0	0	0	292	43	46
18:00	1	0	1	7	75	140	93	17	1	0	0	0	0	0	335	43	46
19:00	1	0	3	4	50	104	50	6	0	1	0	0	0	0	219	42	45
20:00	0	0	1	10	30	78	22	4	0	0	0	0	0	0	145	41	44
21:00	0	0	0	3	28	40	25	4	0	0	0	0	0	0	100	42	45
22:00	0	0	0	4	21	26	19	5	0	0	0	0	0	0	75	43	46
23:00	0	0	0	4	13	23	15	1	0	0	0	0	0	0	56	42	44
Total	14	4	19	149	1163	2240	1155	161	11	3	0	0	0	0	4919		
Percent	0.3%	0.1%	0.4%	3.0%	23.6%	45.5%	23.5%	3.3%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak		06:00	07:00	11:00	10:00	10:00	11:00	11:00	08:00	11:00					11:00		
Vol.		1	3	20	89	168	85	14	2	1					375		
PM Peak	13:00	16:00	15:00	12:00	12:00	12:00	16:00	17:00	17:00	15:00					12:00		
Vol.	6	1	4	23	150	230	127	20	2	1					507		

Cass St.
(S. of 17th St.)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	0 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 9999	Total	85th Percent	95th Percent
09/16/13	0	0	0	2	6	8	5	0	0	0	0	0	0	0	21	41	44
01:00	0	0	2	1	5	4	3	1	0	0	0	0	0	0	16	42	46
02:00	0	0	1	4	8	11	7	0	0	0	0	0	0	0	31	41	44
03:00	0	0	2	1	6	8	2	2	0	0	**1**	0	0	0	22	44	50
04:00	0	0	0	1	11	20	9	2	0	0	0	0	0	0	43	42	45
05:00	2	0	0	9	38	74	28	5	0	0	0	0	0	0	156	41	44
06:00	1	0	0	22	84	149	47	7	0	0	0	0	0	0	310	41	44
07:00	3	0	0	22	**189**	**390**	156	12	0	0	0	0	0	0	772	41	44
08:00	0	1	5	**38**	176	373	**177**	**21**	0	0	0	0	0	0	**791**	42	45
09:00	1	0	6	23	141	317	127	21	0	0	0	0	0	0	636	42	45
10:00	**6**	2	**12**	22	130	297	145	18	**2**	0	0	0	0	0	634	42	45
11:00	1	**7**	12	25	162	381	164	18	0	0	0	0	0	0	770	42	44
12 PM	3	**9**	9	13	165	417	226	27	2	0	0	0	0	0	871	42	45
13:00	**9**	6	**15**	36	173	389	183	30	2	0	0	0	0	0	843	42	45
14:00	4	0	7	30	191	393	224	27	0	0	0	0	0	0	876	42	45
15:00	5	2	9	**51**	262	482	209	20	1	0	0	0	0	0	1041	41	44
16:00	2	3	4	40	**264**	458	181	21	1	0	0	0	0	0	974	41	44
17:00	1	3	4	24	251	**529**	**239**	**35**	1	0	0	0	0	0	**1087**	42	45
18:00	4	1	1	13	138	298	160	21	**4**	0	0	0	0	0	640	42	45
19:00	0	1	0	11	73	198	114	14	0	0	0	0	0	0	411	42	45
20:00	0	0	0	20	88	137	64	8	0	0	0	0	0	0	317	41	44
21:00	0	0	1	8	63	97	27	5	1	0	0	0	0	0	202	41	44
22:00	0	0	0	3	43	58	28	8	0	0	0	0	0	0	140	42	46
23:00	0	0	0	3	21	31	13	2	0	0	0	0	0	0	70	41	44
Total	42	35	90	422	2688	5519	2538	325	14	0	1	0	0	0	11674		
Percent	0.4%	0.3%	0.8%	3.6%	23.0%	47.3%	21.7%	2.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	11:00	10:00	08:00	07:00	07:00	08:00	08:00	10:00		03:00				08:00		
Vol.	6	7	12	38	189	390	177	21	2		1				791		
PM Peak	13:00	12:00	13:00	15:00	16:00	17:00	17:00	17:00	18:00						17:00		
Vol.	9	9	15	51	264	529	239	35	4						1087		

Cass St.
(S. of 17th St.)
Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

Start Time	0 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 9999	Total	85th Percent	95th Percent
09/17/13	0	0	1	2	13	18	11	3	0	0	0	0	**1**	0	49	43	46
01:00	0	0	0	6	8	5	7	1	1	0	0	0	0	0	28	43	48
02:00	0	0	0	2	10	12	7	0	0	0	0	0	0	0	31	41	44
03:00	0	0	0	1	8	11	5	2	0	1	0	0	0	0	28	43	49
04:00	2	0	0	2	13	16	8	2	0	0	0	0	0	0	43	42	45
05:00	0	1	0	12	49	57	37	11	0	0	0	0	0	0	167	43	46
06:00	0	0	4	13	68	146	67	7	2	0	0	0	0	0	307	42	45
07:00	2	1	4	25	228	378	161	14	1	0	0	0	0	0	814	41	44
08:00	**6**	1	**16**	**54**	**234**	**397**	118	13	1	0	0	0	0	0	**840**	40	43
09:00	1	4	4	51	176	305	127	13	0	0	0	0	0	0	681	41	44
10:00	2	**7**	9	26	162	339	159	18	**3**	1	0	0	0	0	726	42	45
11:00	0	4	8	23	181	375	**167**	**25**	0	**2**	0	0	0	0	785	42	45
12 PM	1	3	5	33	**203**	**416**	**202**	20	**1**	0	0	0	0	0	**884**	42	44
13:00	9	3	13	32	191	416	185	**22**	0	0	0	0	0	0	871	42	44
14:00	**11**	**7**	**15**	**41**	185	379	176	16	1	0	0	0	0	0	831	41	44
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	34	31	79	323	1729	3270	1437	167	10	4	0	0	1	0	7085		
Percent	0.5%	0.4%	1.1%	4.6%	24.4%	46.2%	20.3%	2.4%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	10:00	08:00	08:00	08:00	08:00	11:00	11:00	10:00	11:00			00:00		08:00		
Vol.	6	7	16	54	234	397	167	25	3	2			1		840		
PM Peak	14:00	14:00	14:00	14:00	12:00	12:00	12:00	13:00	12:00						12:00		
Vol.	11	7	15	41	203	416	202	22	1						884		
Grand Total	331	186	540	2759	17353	34431	15274	1938	126	18	3	1	1	0	72961		
Percent	0.5%	0.3%	0.7%	3.8%	23.8%	47.2%	20.9%	2.7%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile :	31 MPH
50th Percentile :	37 MPH
85th Percentile :	42 MPH
95th Percentile :	45 MPH

Statistics

10 MPH Pace Speed :	33-42 MPH
Number in Pace :	50704
Percent in Pace :	69.5%
Number of Vehicles > 35 MPH :	51792
Percent of Vehicles > 35 MPH :	71.0%
Mean Speed(Average) :	37 MPH

Statistics	Mean Speed(Average) :	37 MPH
	10 MPH Pace Speed :	33-42 MPH
	Number in Pace :	50704
	Percent in Pace :	69.5%
	Number of Vehicles > 35 MPH :	51792
	Percent of Vehicles > 35 MPH :	71.0%