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 16th St.

The City of Traverse City Engineering Department conducted an on-site speed count beginning Tuesday, Sept. 10th, 2013 at 4:00pm and ending Tuesday, Sept. 17th 17, 2013 at 4:00pm 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 30 mph in the location. According to the enclosed detailed speed report, the average speed of the vehicles was 31 mph. 43.4% of the vehicles were at 30 mph and less with 83.2% of all vehicles at 35 mph and less.

Summary:

- Speed Limit: 30 mph
- Average Speed: 31 mph
- Total Number of Vehicles: 67,612
- 24-hr ADT Weekday: 11,208 vehicles
- 24-hr ADT Weekend: 5,785 vehicles
- 15th Percentile: 25 mph
- 50th Percentile: 30 mph
- 85th Percentile: 35 mph
- 95th Percentile: 39 mph

Enclosed: Detailed TraxPro Speed Report
Location Map

Cass St.
(S. of 16th 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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	**5**	2	**62**	**332**	397	118	**13**	1	0	0	0	0	0	0	**930**	35	38
17:00	4	**6**	61	293	**398**	**132**	13	**2**	**1**	0	0	0	0	0	910	35	39
18:00	3	2	34	183	224	80	8	1	0	0	0	0	0	0	535	35	39
19:00	1	1	19	140	184	64	10	0	0	0	0	0	0	0	419	36	39
20:00	0	1	33	154	125	43	6	1	0	0	0	0	0	0	363	35	38
21:00	2	1	15	79	82	30	1	0	0	0	0	0	0	0	210	35	38
22:00	1	5	17	63	43	17	5	2	0	0	0	0	0	0	153	35	40
23:00	1	0	9	34	20	10	3	0	0	0	0	0	0	0	77	35	39
Total	17	18	250	1278	1473	494	59	7	1	0	0	0	0	0	3597		
Percent	0.5%	0.5%	7.0%	35.5%	41.0%	13.7%	1.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	16:00 5	17:00 6	16:00 62	16:00 332	17:00 398	17:00 132	16:00 13	17:00 2	17:00 1						16:00 930		

Cass St.
(S. of 16th 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	1	0	4	18	17	2	0	0	0	0	0	0	0	0	42	33	36
01:00	1	2	1	7	10	5	2	0	0	0	0	0	0	0	28	37	41
02:00	0	0	2	3	14	3	1	0	0	0	0	0	0	0	23	36	40
03:00	0	0	3	13	13	7	0	0	0	0	0	0	0	0	36	36	38
04:00	0	0	2	18	16	3	0	0	0	0	0	0	0	0	39	34	36
05:00	3	0	7	54	69	18	1	0	0	0	0	0	0	0	152	35	38
06:00	0	2	32	118	110	29	2	0	0	0	0	0	0	0	293	34	37
07:00	2	1	35	295	278	90	**14**	0	0	0	0	0	0	0	715	35	38
08:00	2	**10**	46	**308**	274	85	6	0	0	0	0	0	0	0	731	35	38
09:00	0	1	35	258	237	67	5	1	0	0	0	0	0	0	604	35	38
10:00	**6**	4	40	198	247	85	9	**2**	0	0	0	0	0	0	591	35	39
11:00	4	3	**55**	240	**324**	**106**	9	0	0	0	0	0	0	0	**741**	35	38
12 PM	2	1	54	260	344	129	16	1	0	0	0	0	0	0	807	36	39
13:00	2	1	48	251	316	101	17	0	0	0	0	0	0	0	736	35	39
14:00	7	7	58	307	288	126	10	1	0	**2**	0	0	0	0	806	35	39
15:00	6	**13**	63	**341**	**389**	**153**	10	2	0	0	0	0	0	0	**977**	35	38
16:00	**8**	12	80	321	340	128	8	**3**	0	0	0	0	0	0	900	35	38
17:00	3	5	**96**	327	386	112	**19**	0	0	0	0	0	0	0	948	35	38
18:00	2	6	60	232	277	90	11	1	0	0	0	0	0	0	679	35	38
19:00	1	8	21	141	188	81	6	0	0	0	0	0	0	0	446	36	39
20:00	0	4	24	146	124	32	5	0	0	0	0	0	0	0	335	34	38
21:00	0	1	29	106	106	25	4	0	0	0	0	0	0	0	271	34	38
22:00	1	0	25	44	38	20	5	0	0	0	0	0	0	0	133	36	40
23:00	0	2	18	27	25	20	6	1	0	0	0	0	0	0	99	37	41
Total	51	83	838	4033	4430	1517	166	12	0	2	0	0	0	0	11132		
Percent	0.5%	0.7%	7.5%	36.2%	39.8%	13.6%	1.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	08:00	11:00	08:00	11:00	11:00	07:00	10:00							11:00		
Vol.	6	10	55	308	324	106	14	2							741		
PM Peak	16:00	15:00	17:00	15:00	15:00	15:00	17:00	16:00		14:00					15:00		
Vol.	8	13	96	341	389	153	19	3		2					977		

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(S. of 16th St.)
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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	0	1	4	17	12	2	2	0	0	0	0	0	0	0	38	34	40
01:00	0	1	4	11	15	3	0	**2**	0	0	0	0	0	0	36	35	44
02:00	0	0	1	5	8	8	2	0	0	0	0	0	0	0	24	39	41
03:00	0	0	1	11	21	6	0	0	0	0	0	0	0	0	39	35	38
04:00	0	0	3	9	18	6	2	0	0	0	0	0	0	0	38	36	40
05:00	1	**4**	13	50	71	24	4	1	0	0	0	0	0	0	168	36	39
06:00	0	0	24	123	109	27	4	0	0	0	0	0	0	0	287	34	38
07:00	**2**	1	36	**269**	275	87	14	2	0	0	0	0	0	0	686	35	39
08:00	1	4	43	266	266	99	**18**	2	0	0	0	0	0	0	699	36	39
09:00	0	4	41	204	259	92	12	1	**1**	0	0	0	0	0	614	36	39
10:00	2	2	**56**	183	233	92	10	1	0	0	0	0	0	0	579	36	39
11:00	0	4	45	233	**302**	**108**	17	2	0	0	0	0	0	0	**711**	36	39
12 PM	3	5	52	304	291	108	19	2	0	0	0	0	0	0	784	35	39
13:00	**4**	6	56	297	297	91	15	1	0	0	0	0	0	0	767	35	38
14:00	**5**	8	**83**	277	306	132	14	**3**	0	0	0	0	0	0	828	36	39
15:00	1	**11**	80	**328**	393	**161**	9	0	0	0	0	0	0	0	**983**	35	38
16:00	0	6	65	294	330	128	18	1	0	0	0	0	0	0	842	36	39
17:00	3	10	69	305	**394**	145	12	0	0	0	0	0	0	0	938	35	38
18:00	3	5	51	228	238	98	**20**	2	0	0	0	0	0	0	645	36	39
19:00	2	7	27	142	157	76	14	0	0	0	0	0	0	0	425	36	39
20:00	1	7	29	129	112	42	4	1	0	0	0	0	0	0	325	35	38
21:00	2	1	34	107	108	38	6	1	0	0	0	0	0	0	297	35	39
22:00	0	0	20	55	43	20	3	0	0	0	0	0	0	0	141	35	39
23:00	1	1	6	24	29	11	2	0	0	0	0	0	0	0	74	36	39
Total	31	88	843	3871	4287	1604	221	22	1	0	0	0	0	0	10968		
Percent	0.3%	0.8%	7.7%	35.3%	39.1%	14.6%	2.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	05:00	10:00	07:00	11:00	11:00	08:00	01:00	09:00						11:00		
Vol.	2	4	56	269	302	108	18	2	1						711		
PM Peak	14:00	15:00	14:00	15:00	17:00	15:00	18:00	14:00							15:00		
Vol.	5	11	83	328	394	161	20	3							983		

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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	1	5	15	15	6	4	0	0	0	0	0	0	0	46	37	42
01:00	0	0	1	10	4	2	1	0	0	0	0	0	0	0	18	35	40
02:00	0	0	3	18	5	6	1	0	0	0	0	0	0	0	33	36	39
03:00	0	0	0	8	13	5	0	0	0	0	0	0	0	0	26	36	38
04:00	2	0	2	13	20	7	0	0	0	0	0	0	0	0	44	35	38
05:00	1	2	7	52	58	24	4	**2**	**1**	0	0	0	0	0	151	36	40
06:00	0	0	28	103	94	31	4	1	0	0	0	0	0	0	261	35	38
07:00	0	1	50	243	284	94	7	0	0	0	0	0	0	0	679	35	38
08:00	**3**	3	35	**266**	302	85	15	0	0	0	0	0	0	0	709	35	38
09:00	0	2	19	230	252	96	13	0	1	0	0	0	0	0	613	36	39
10:00	0	**4**	44	207	253	90	17	0	0	0	0	0	0	0	615	36	39
11:00	0	1	**53**	250	**310**	**120**	**20**	2	0	0	0	0	0	0	**756**	36	39
12 PM	0	6	45	271	349	**154**	**20**	1	0	0	0	0	0	0	846	36	39
13:00	2	4	64	263	343	138	16	1	0	0	0	0	0	0	831	36	39
14:00	4	6	58	280	353	148	14	1	0	0	0	0	0	0	864	36	39
15:00	**4**	**12**	48	294	**375**	148	18	**2**	0	0	0	0	0	0	901	36	39
16:00	**8**	9	**124**	355	330	102	17	1	0	0	0	0	0	0	946	35	38
17:00	3	12	119	**380**	340	100	7	1	0	0	0	0	0	0	**962**	34	37
18:00	6	9	93	306	279	67	14	0	0	0	0	0	0	0	774	34	38
19:00	3	8	31	163	195	60	3	1	0	0	0	0	0	0	464	35	38
20:00	5	2	34	137	133	43	8	1	0	0	0	0	0	0	363	35	39
21:00	1	12	72	149	138	34	3	0	0	0	0	0	0	0	409	34	37
22:00	0	12	57	226	215	50	6	0	0	0	0	0	0	0	566	34	37
23:00	1	5	19	36	44	17	2	0	0	0	0	0	0	0	124	35	38
Total	43	111	1011	4275	4704	1627	214	14	2	0	0	0	0	0	12001		
Percent	0.4%	0.9%	8.4%	35.6%	39.2%	13.6%	1.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	10:00	11:00	08:00	11:00	11:00	11:00	05:00	05:00						11:00		
Vol.	3	4	53	266	310	120	20	2	1						756		
PM Peak	16:00	15:00	16:00	17:00	15:00	12:00	12:00	15:00							17:00		
Vol.	8	12	124	380	375	154	20	2							962		

Cass St.
(S. of 16th 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
09/14/13	0	0	6	24	19	8	0	0	0	0	0	0	0	0	57	35	38
01:00	1	2	7	9	14	5	0	0	0	0	0	0	0	0	38	35	38
02:00	1	0	2	12	16	4	1	0	0	0	0	0	0	0	36	35	39
03:00	1	0	2	8	13	8	1	0	0	0	0	0	0	0	33	37	40
04:00	0	1	0	4	8	4	0	0	0	0	0	0	0	0	17	36	39
05:00	0	0	6	15	20	10	1	0	**1**	0	0	0	0	0	53	37	40
06:00	0	0	9	37	29	13	3	1	0	0	0	0	0	0	92	36	40
07:00	0	0	6	37	72	43	11	0	0	0	0	0	0	0	169	38	41
08:00	**2**	1	9	98	103	55	16	0	0	**1**	0	0	0	0	285	37	41
09:00	1	0	14	133	174	92	18	0	0	0	0	0	0	0	432	37	40
10:00	0	**8**	**37**	**198**	212	88	14	**2**	0	0	0	0	0	0	559	36	39
11:00	0	1	23	170	**279**	**106**	**19**	2	1	0	0	0	0	0	**601**	36	40
12 PM	1	**7**	40	191	**265**	**122**	15	**2**	0	0	0	0	0	0	**643**	36	39
13:00	0	7	**51**	**203**	220	93	15	2	0	0	0	0	0	0	591	36	39
14:00	**4**	5	24	172	218	70	14	2	0	0	0	0	0	0	509	36	39
15:00	2	2	38	185	216	82	**19**	1	0	0	0	0	0	0	545	36	40
16:00	2	4	36	139	201	68	10	1	0	0	0	0	0	0	461	36	39
17:00	0	4	33	148	185	81	11	0	0	0	0	0	0	0	462	36	39
18:00	1	1	17	118	138	59	10	2	0	0	0	0	0	0	346	36	40
19:00	2	5	24	109	117	43	8	0	0	0	0	0	0	0	308	35	39
20:00	0	4	41	89	88	25	3	1	**1**	0	0	0	0	0	252	34	38
21:00	0	3	23	69	72	27	4	0	0	0	0	0	0	0	198	35	39
22:00	0	3	22	54	51	23	1	1	0	0	0	0	0	0	155	35	38
23:00	0	1	9	33	35	12	1	0	0	0	0	0	0	0	91	35	38
Total	18	59	479	2255	2765	1141	195	17	3	1	0	0	0	0	6933		
Percent	0.3%	0.9%	6.9%	32.5%	39.9%	16.5%	2.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	10:00	10:00	10:00	11:00	11:00	11:00	10:00	05:00	08:00					11:00		
Vol.	2	8	37	198	279	106	19	2	1	1					601		
PM Peak	14:00	12:00	13:00	13:00	12:00	12:00	15:00	12:00	20:00						12:00		
Vol.	4	7	51	203	265	122	19	2	1						643		

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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	**4**	2	10	10	7	1	0	0	0	0	0	0	0	34	36	39
01:00	0	2	3	12	12	10	2	**1**	0	0	0	0	0	0	42	38	42
02:00	0	1	2	13	11	7	0	0	0	0	0	0	0	0	34	36	38
03:00	0	0	4	6	13	4	4	0	0	0	0	0	0	0	31	39	43
04:00	**2**	0	0	7	7	2	2	0	0	0	0	0	0	0	20	36	42
05:00	0	0	3	11	11	5	2	0	0	0	0	0	0	0	32	37	41
06:00	0	0	2	15	31	17	2	1	0	0	0	0	0	0	68	37	40
07:00	0	0	6	27	30	16	2	0	0	0	0	0	0	0	81	36	39
08:00	2	1	16	45	72	29	8	0	0	0	0	0	0	0	173	36	40
09:00	1	0	13	58	74	30	7	0	0	0	0	0	0	0	183	36	40
10:00	0	1	**30**	94	142	53	9	1	0	0	0	0	0	0	330	36	39
11:00	0	4	22	**100**	**151**	**62**	**11**	1	**1**	0	0	0	0	0	**352**	36	40
12 PM	0	3	**40**	**153**	193	79	10	0	0	0	0	0	0	0	**478**	36	39
13:00	1	4	28	143	182	72	**11**	0	0	0	0	0	0	0	441	36	39
14:00	**2**	1	28	109	**195**	**83**	8	1	0	0	0	0	0	0	427	36	39
15:00	2	**5**	17	118	165	57	10	0	0	0	0	0	0	0	374	36	39
16:00	1	3	33	113	169	68	9	0	0	0	0	0	0	0	396	36	39
17:00	0	2	12	92	114	57	11	1	0	0	0	0	0	0	289	37	40
18:00	0	3	16	76	128	66	11	**2**	0	0	0	0	0	0	302	37	40
19:00	1	1	12	62	82	29	4	1	0	0	0	0	0	0	192	36	39
20:00	1	0	24	50	50	19	0	0	0	0	0	0	0	0	144	35	38
21:00	0	2	8	31	29	16	6	0	0	0	0	0	0	0	92	37	41
22:00	0	1	6	28	22	8	5	0	0	0	0	0	0	0	70	36	41
23:00	0	0	7	17	22	6	1	0	0	0	0	0	0	0	53	35	38
Total	13	38	334	1390	1915	802	136	9	1	0	0	0	0	0	4638		
Percent	0.3%	0.8%	7.2%	30.0%	41.3%	17.3%	2.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	04:00	00:00	10:00	11:00	11:00	11:00	11:00	01:00	11:00						11:00		
Vol.	2	4	30	100	151	62	11	1	1						352		
PM Peak	14:00	15:00	12:00	12:00	14:00	14:00	13:00	18:00							12:00		
Vol.	2	5	40	153	195	83	11	2							478		

Cass St.
(S. of 16th 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	2	15	4	1	2	0	0	0	0	0	0	0	24	34	41
01:00	0	2	1	5	3	1	2	0	0	0	0	0	0	0	14	38	43
02:00	0	0	2	8	8	5	0	**3**	0	0	0	0	0	0	26	39	47
03:00	0	0	2	4	11	1	2	0	**1**	0	0	0	0	0	21	39	46
04:00	0	0	2	12	18	5	1	0	0	0	0	0	0	0	38	35	39
05:00	0	1	11	38	71	23	9	0	0	0	0	0	0	0	153	36	41
06:00	1	0	19	115	104	37	4	0	0	0	0	0	0	0	280	35	38
07:00	0	3	46	249	**304**	106	9	1	0	0	0	0	0	0	718	35	38
08:00	0	2	46	**267**	300	101	9	1	0	0	0	0	0	0	**726**	35	38
09:00	**4**	**6**	39	188	216	90	**14**	0	0	0	0	0	0	0	557	36	39
10:00	1	5	43	202	246	91	13	0	1	0	0	0	0	0	602	36	39
11:00	0	1	**48**	222	283	**139**	11	1	0	0	0	0	0	0	705	36	39
12 PM	4	5	56	262	343	124	18	**3**	0	0	0	0	0	0	815	36	39
13:00	3	**11**	56	265	350	**129**	**19**	2	0	0	0	0	0	0	835	36	39
14:00	2	2	56	240	368	128	19	1	0	0	0	0	0	0	816	36	39
15:00	0	10	**78**	**367**	368	119	16	0	0	0	0	0	0	0	958	35	38
16:00	**5**	10	78	338	322	121	17	0	0	0	0	0	0	0	891	35	39
17:00	1	4	77	337	**415**	113	18	3	0	0	0	0	0	0	**968**	35	38
18:00	0	6	35	192	257	91	14	0	0	0	0	0	0	0	595	36	39
19:00	3	5	28	129	148	71	9	2	0	0	0	0	0	0	395	36	39
20:00	0	0	36	126	99	32	4	0	**2**	0	0	0	0	0	299	35	38
21:00	0	0	18	85	72	16	5	0	0	0	0	0	0	0	196	34	38
22:00	0	0	16	51	43	15	1	2	0	0	0	0	0	0	128	35	39
23:00	0	0	6	25	26	12	3	0	0	0	0	0	0	0	72	36	40
Total	24	73	801	3742	4379	1571	219	19	4	0	0	0	0	0	10832		
Percent	0.2%	0.7%	7.4%	34.5%	40.4%	14.5%	2.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	09:00	11:00	08:00	07:00	11:00	09:00	02:00	03:00						08:00		
Vol.	4	6	48	267	304	139	14	3	1						726		
PM Peak	16:00	13:00	15:00	15:00	17:00	13:00	13:00	12:00	20:00						17:00		
Vol.	5	11	78	367	415	129	19	3	2						968		

Cass St.
(S. of 16th 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	6	19	17	5	1	0	0	0	0	0	0	**1**	49	35	38
01:00	0	1	3	9	4	8	1	1	0	0	0	0	0	0	27	38	43
02:00	0	0	1	11	10	3	0	0	0	0	0	0	0	0	25	35	37
03:00	0	1	2	6	11	6	0	2	0	0	0	0	0	0	28	38	46
04:00	0	0	4	12	19	5	1	0	0	0	0	0	0	0	41	35	39
05:00	3	0	9	50	65	18	8	**4**	0	0	0	0	0	0	157	36	42
06:00	0	0	24	94	114	38	2	2	0	0	0	0	0	0	274	35	38
07:00	**5**	6	46	**285**	274	95	8	1	0	0	0	0	0	0	720	35	38
08:00	3	5	**62**	279	**303**	81	16	0	0	0	0	0	0	0	**749**	35	38
09:00	2	7	48	236	244	86	13	1	0	0	0	0	0	0	637	35	39
10:00	0	8	46	233	269	99	13	0	**1**	0	0	0	0	0	669	35	39
11:00	1	**11**	53	234	288	**116**	**19**	3	0	0	0	0	0	0	725	36	39
12 PM	3	4	75	262	299	140	**23**	2	0	0	0	0	0	0	808	36	39
13:00	5	2	44	289	322	132	9	1	0	0	0	0	0	0	804	36	39
14:00	**9**	12	73	253	328	116	13	**3**	0	0	0	0	0	0	807	35	39
15:00	2	**14**	**98**	**335**	**385**	**143**	14	0	0	0	0	0	0	0	**991**	35	38
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	33	71	594	2607	2952	1091	141	20	1	0	0	0	0	1	7511		
Percent	0.4%	0.9%	7.9%	34.7%	39.3%	14.5%	1.9%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	11:00	08:00	07:00	08:00	11:00	11:00	05:00	10:00					00:00	08:00		
Vol.	5	11	62	285	303	116	19	4	1					1	749		
PM Peak	14:00	15:00	15:00	15:00	15:00	15:00	12:00	14:00							15:00		
Vol.	9	14	98	335	385	143	23	3							991		
Grand Total	230	541	5150	23451	26905	9847	1351	120	13	3	0	0	0	1	67612		
Percent	0.3%	0.8%	7.6%	34.7%	39.8%	14.6%	2.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile :	25 MPH
50th Percentile :	30 MPH
85th Percentile :	35 MPH
95th Percentile :	39 MPH

Statistics

10 MPH Pace Speed :	27-36 MPH
Number in Pace :	45912
Percent in Pace :	67.9%
Number of Vehicles > 25 MPH :	61691
Percent of Vehicles > 25 MPH :	91.2%
Mean Speed(Average) :	31 MPH

Statistics		
	Mean Speed(Average) :	31 MPH
	10 MPH Pace Speed :	27-36 MPH
	Number in Pace :	45912
	Percent in Pace :	67.9%
	Number of Vehicles > 25 MPH :	61691
	Percent of Vehicles > 25 MPH :	91.2%