Memorandum

The City of Traverse City
Engineering Department

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

FROM: Brogan Beyette, Engineering Intern

DATE: June 27, 2013

SUBJECT: Speed count on Cass St., at the 15th St. intersection

The City of Traverse City Engineering Department conducted an on-site speed count beginning Friday, June 21, 2013 at 2:00pm and ending Thursday, June 27, 2013 at 11:00am on Cass St. at the 15th St. intersection.

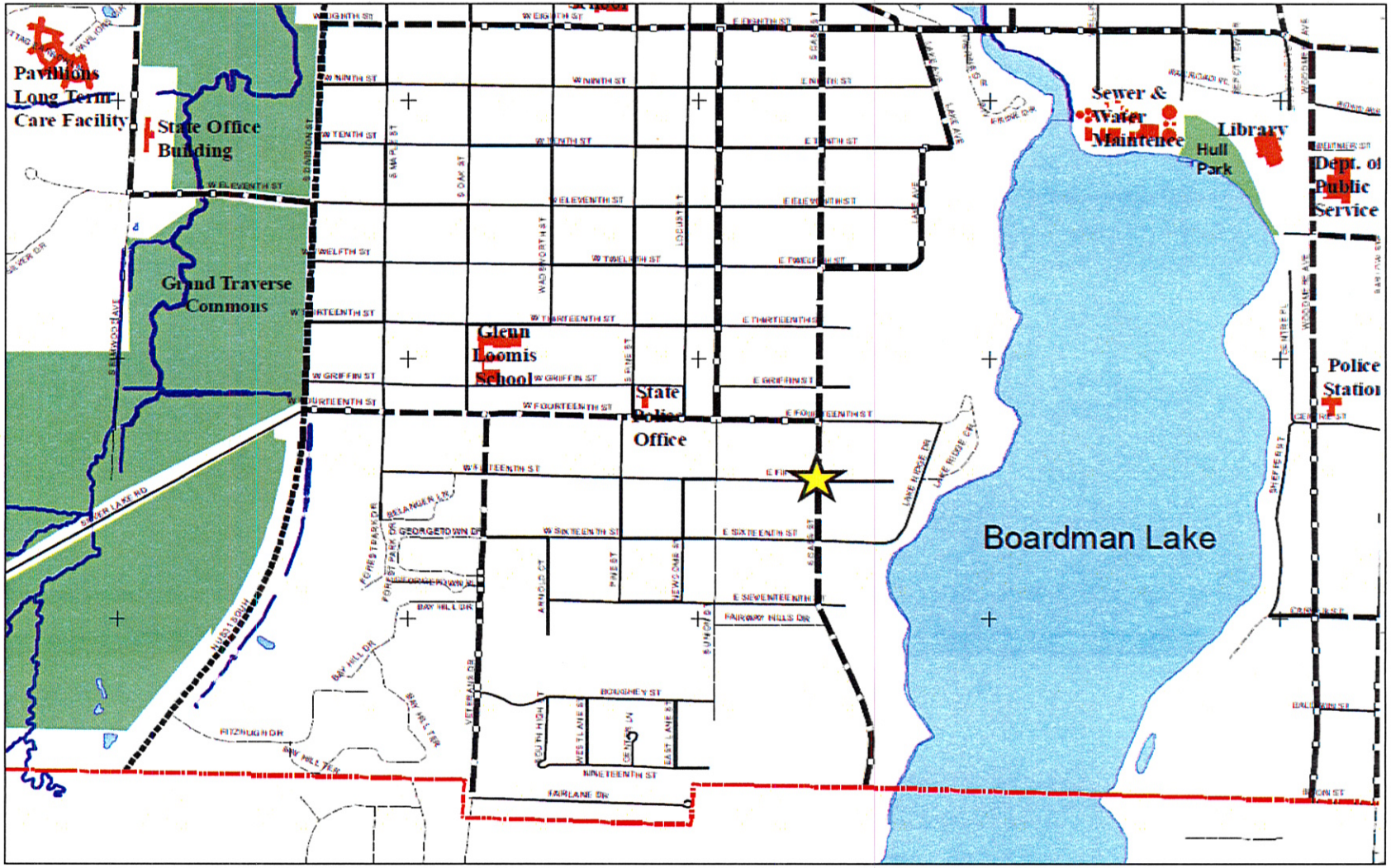
The Jamar Radar Recorder gathered data for each lane of traffic; one lane north bound and one lane south bound. The speeds of each vehicle were recorded in the device and then compiled into TraxPro where the lanes were combined into one report, regardless of direction. The report divided the speeds into 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 25 mph. According to the enclosed detailed speed report, the average speed of the vehicles was 29 mph. 14.3% of the vehicles were at 25 mph and less with 58.5% of all vehicles at 30 mph and less.

Summary:

- Speed Limit: 25 mph
- Average Speed: 29 mph
- Total Number of Vehicles: 50,882
- 24-hr ADT Weekday: 10,361 vehicles
- 24-hr ADT Weekend: 5,888 vehicles
- 15th Percentile: 23 mph
- 50th Percentile: 28 mph
- 85th Percentile: 33 mph
- 95th Percentile: 36 mph

Enclosed: Detailed TraxPro Speed Report
Location Map


Pavillions Long Term Care Facility
State Office Building
Grand Traverse Commons
Glenn Loomis School
State Police Office
Sewer & Water Maintenee
Library
Hull Park
Dept. of Public Service
Police Station
Boardman Lake
W NINTH ST
W TENTH ST
W ELEVENTH ST
W TWELFTH ST
W THIRTEENTH ST
W GRIFFIN ST
W FOURTEENTH ST
W SIXTEENTH ST
E SIXTEENTH ST
E SEVENTEENTH ST
E THIRTEENTH ST
E GRIFFIN ST
E FOURTEENTH ST
E TWELFTH ST
E ELEVENTH ST
E TENTH ST
E NINTH ST
E EIGHTH ST
W EIGHTH ST
W EIGHTEENTH ST
W SEVENTEENTH ST
E SEVENTEENTH ST
GEORGETOWN DR
BAY HILL DR
BOUGHEY ST
NINETEENTH ST
FAIRLANE DR
FITZHUGH DR
SILVER LAKE RD
HUSS SOUTH
S ELMWOOD AVE
S DIVISION ST
S MAPLE ST
S OAK ST
WADSWORTH ST
LOCUST ST
S PINE ST
ARNOLD CT
PINE ST
NEWCOMB ST
S CASS ST
LAKE AVE
LAKE RIDGE DR
LAKE RIDGE CR
FAIRWAY HILLS DR
VETERANS DR
SOUTH HIGH ST
WEST LANE ST
CENTER LN
EAST LANE ST
SHEFFER ST
WOODMERE AVE
CENTRE PL
BALDWIN ST
BOON ST
BELANGER LN
FOREST PARK DR
BAY HILL TER

Cass St

(at 15th St intersection)

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
06/21/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	**12**	**23**	87	332	235	39	3	**1**	0	0	0	0	0	0	732	33	36
15:00	8	19	**98**	366	298	**57**	**4**	0	0	0	0	0	0	0	**850**	34	36
16:00	8	21	87	**386**	292	33	3	0	0	0	0	0	0	0	830	33	35
17:00	6	10	47	304	**318**	49	1	0	0	0	0	0	0	0	735	34	36
18:00	5	9	37	206	179	39	0	0	0	0	0	0	0	0	475	34	36
19:00	10	3	23	166	146	34	1	0	0	0	0	0	0	0	383	34	37
20:00	6	6	33	128	111	16	1	1	0	0	0	0	0	0	302	33	36
21:00	5	9	51	119	76	19	1	0	0	0	0	0	0	0	280	33	36
22:00	2	5	38	127	46	4	1	0	0	0	0	0	0	0	223	31	34
23:00	2	2	23	52	28	3	0	0	0	0	0	0	0	0	110	32	35
Total	64	107	524	2186	1729	293	15	2	0	0	0	0	0	0	4920		
Percent	1.3%	2.2%	10.7%	44.4%	35.1%	6.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	14:00 12	14:00 23	15:00 98	16:00 386	17:00 318	15:00 57	15:00 4	14:00 1							15:00 850		

Cass St
(at 15th St intersection)
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
06/22/13	6	2	7	27	28	5	**4**	0	0	0	0	0	0	0	79	34	39
01:00	2	0	6	17	14	5	1	0	0	0	0	0	0	0	45	35	38
02:00	1	0	2	8	15	1	1	0	0	0	0	0	0	0	28	34	37
03:00	2	0	3	12	8	1	0	0	0	0	0	0	0	0	26	33	35
04:00	0	2	4	13	10	1	0	0	0	0	0	0	0	0	30	33	35
05:00	2	1	5	22	20	4	1	0	0	0	0	0	0	0	55	34	37
06:00	2	1	15	42	37	11	1	0	0	0	0	0	0	0	109	34	37
07:00	6	5	21	65	49	13	1	0	0	0	0	0	0	0	160	34	37
08:00	9	6	34	107	78	23	1	0	0	0	0	0	0	0	258	34	37
09:00	**18**	13	33	182	**145**	23	1	**1**	0	0	0	0	0	0	416	33	36
10:00	15	**14**	58	**204**	121	25	4	0	0	0	0	0	0	0	441	33	36
11:00	18	14	**68**	201	142	**38**	2	0	0	0	0	0	0	0	**483**	33	36
12 PM	**20**	**18**	**83**	**259**	157	33	2	0	0	0	0	0	0	0	**572**	33	36
13:00	16	15	59	223	**185**	26	2	0	0	0	0	0	0	0	526	33	36
14:00	20	12	62	203	167	32	1	**1**	0	0	0	0	0	0	498	33	36
15:00	18	11	71	258	165	27	2	0	0	0	0	0	0	0	552	33	36
16:00	8	9	38	191	147	26	4	0	0	0	0	0	0	0	423	33	36
17:00	5	2	47	202	135	29	3	0	0	0	0	0	0	0	423	33	36
18:00	7	4	22	138	133	27	**5**	0	0	0	0	0	0	0	336	34	37
19:00	4	3	16	140	123	**36**	1	0	0	0	0	0	0	0	323	34	37
20:00	2	2	26	123	110	16	5	0	0	0	0	0	0	0	284	34	37
21:00	9	3	21	100	66	7	1	0	0	0	0	0	0	0	207	33	35
22:00	5	3	27	94	54	4	1	0	0	0	0	0	0	0	188	32	35
23:00	0	3	9	49	43	9	1	0	0	0	0	0	0	0	114	34	37
Total	195	143	737	2880	2152	422	45	2	0	0	0	0	0	0	6576		
Percent	3.0%	2.2%	11.2%	43.8%	32.7%	6.4%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	10:00	11:00	10:00	09:00	11:00	00:00	09:00							11:00		
Vol.	18	14	68	204	145	38	4	1							483		
PM Peak	12:00	12:00	12:00	12:00	13:00	19:00	18:00	14:00							12:00		
Vol.	20	18	83	259	185	36	5	1							572		

Cass St
(at 15th St intersection)
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
06/23/13	3	4	9	39	29	7	2	0	0	0	0	0	0	0	93	34	37
01:00	2	2	7	20	8	3	1	0	0	0	0	0	0	0	43	33	37
02:00	2	0	7	15	14	3	0	0	0	0	0	0	0	0	41	33	36
03:00	1	0	0	10	10	1	1	**1**	0	0	0	0	0	0	24	35	43
04:00	0	0	3	6	8	3	1	0	0	0	0	0	0	0	21	36	40
05:00	2	2	2	16	13	3	0	0	0	0	0	0	0	0	38	33	36
06:00	1	0	7	31	21	8	1	0	0	0	0	0	0	0	69	35	38
07:00	**5**	2	7	22	50	9	0	1	0	0	0	0	0	0	96	34	37
08:00	2	**7**	6	87	66	17	2	0	0	0	0	0	0	0	187	34	37
09:00	5	2	19	80	98	25	2	0	0	0	0	0	0	0	231	35	38
10:00	5	6	**32**	**187**	135	**32**	**3**	0	0	0	0	0	0	0	**400**	34	37
11:00	3	7	26	186	**149**	26	2	0	0	0	0	0	0	0	399	34	36
12 PM	**11**	0	**34**	**231**	149	30	2	0	0	0	0	0	0	0	**457**	33	36
13:00	5	3	27	173	155	35	1	0	0	0	0	0	0	0	399	34	37
14:00	2	8	31	203	**161**	42	1	0	0	0	0	0	0	0	448	34	37
15:00	3	6	21	169	147	31	2	0	0	0	0	0	0	0	379	34	37
16:00	4	6	23	154	158	**43**	**5**	0	0	0	0	0	0	0	393	35	38
17:00	2	**14**	27	131	121	30	2	0	0	0	0	0	0	0	327	34	37
18:00	3	7	25	129	133	32	2	0	0	0	0	0	0	0	331	34	37
19:00	5	4	17	103	94	24	2	0	0	0	0	0	0	0	249	34	37
20:00	4	3	17	85	81	19	4	**1**	0	0	0	0	0	0	214	34	38
21:00	2	4	15	69	46	10	3	0	0	0	0	0	0	0	149	34	37
22:00	1	2	16	64	36	8	1	0	0	0	0	0	0	0	128	33	36
23:00	4	3	7	36	29	4	0	0	0	0	0	0	0	0	83	33	35
Total	77	92	385	2246	1911	445	40	3	0	0	0	0	0	0	5199		
Percent	1.5%	1.8%	7.4%	43.2%	36.8%	8.6%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	08:00	10:00	10:00	11:00	10:00	10:00	03:00							10:00		
Vol.	5	7	32	187	149	32	3	1							400		
PM Peak	12:00	17:00	12:00	12:00	14:00	16:00	16:00	20:00							12:00		
Vol.	11	14	34	231	161	43	5	1							457		

Cass St
(at 15th St intersection)
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
06/24/13	3	2	8	22	10	2	1	0	0	0	0	0	0	0	48	32	36
01:00	0	0	3	14	8	1	1	0	0	0	0	0	0	0	27	33	38
02:00	1	1	3	12	7	2	0	0	0	0	0	0	0	0	26	33	36
03:00	0	0	1	10	9	0	0	0	0	0	0	0	0	0	20	33	35
04:00	0	0	6	24	6	3	0	0	0	0	0	0	0	0	39	32	36
05:00	4	2	10	58	47	15	1	0	0	0	0	0	0	0	137	34	37
06:00	1	6	22	105	99	17	3	0	0	0	0	0	0	0	253	34	37
07:00	4	5	43	233	220	43	1	0	0	0	0	0	0	0	549	34	36
08:00	5	**16**	64	280	244	47	2	0	0	0	0	0	0	0	658	34	36
09:00	3	13	69	258	238	37	3	0	0	0	0	0	0	0	621	34	36
10:00	**9**	10	68	269	235	**51**	3	0	0	0	0	0	0	0	645	34	37
11:00	5	6	**106**	**339**	**247**	37	**4**	0	0	0	0	0	0	0	**744**	33	36
12 PM	16	15	105	348	243	55	1	0	0	0	0	0	0	0	783	33	36
13:00	**20**	12	87	**361**	**293**	35	2	0	0	0	0	0	0	0	**810**	33	35
14:00	11	12	92	354	236	47	5	0	0	0	0	0	0	0	757	33	36
15:00	15	10	**128**	339	251	37	3	0	0	0	0	0	0	0	783	33	36
16:00	13	16	98	285	292	**56**	3	0	0	0	0	0	0	0	763	34	36
17:00	10	**26**	120	347	267	35	0	**1**	0	0	0	0	0	0	806	33	35
18:00	8	6	43	255	201	32	1	0	0	0	0	0	0	0	546	33	36
19:00	2	5	23	150	158	23	**6**	0	0	0	0	0	0	0	367	34	37
20:00	4	3	20	123	106	17	1	1	0	0	0	0	0	0	275	34	36
21:00	3	5	22	132	61	13	2	0	0	0	0	0	0	0	238	33	36
22:00	3	2	18	76	40	7	0	0	0	0	0	0	0	0	146	33	35
23:00	4	3	14	41	27	4	1	0	0	0	0	0	0	0	94	33	36
Total	144	176	1173	4435	3545	616	44	2	0	0	0	0	0	0	10135		
Percent	1.4%	1.7%	11.6%	43.8%	35.0%	6.1%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	08:00	11:00	11:00	11:00	10:00	11:00								11:00		
Vol.	9	16	106	339	247	51	4								744		
PM Peak	13:00	17:00	15:00	13:00	13:00	16:00	19:00	17:00							13:00		
Vol.	20	26	128	361	293	56	6	1							810		

Cass St

(at 15th St intersection)

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
06/25/13	2	0	4	27	14	3	0	0	0	0	0	0	0	0	50	33	36
01:00	2	1	5	16	17	4	0	**1**	0	0	0	0	0	0	46	34	38
02:00	1	0	0	19	6	1	0	0	0	0	0	0	0	0	27	32	35
03:00	0	1	0	11	10	0	0	0	0	0	0	0	0	0	22	33	35
04:00	0	0	4	21	9	3	1	0	0	0	0	0	0	0	38	34	38
05:00	3	3	8	79	65	7	1	0	0	0	0	0	0	0	166	33	36
06:00	3	5	24	120	92	20	1	0	0	0	0	0	0	0	265	34	36
07:00	9	6	71	261	192	30	3	0	0	0	0	0	0	0	572	33	36
08:00	6	17	60	**326**	**231**	36	0	1	0	0	0	0	0	0	677	33	36
09:00	10	19	**80**	287	181	42	0	0	0	0	0	0	0	0	619	33	36
10:00	**14**	18	69	304	226	29	1	0	0	0	0	0	0	0	661	33	35
11:00	11	**24**	77	308	218	**47**	**5**	0	0	0	0	0	0	0	**690**	33	36
12 PM	**16**	11	109	330	285	42	**4**	0	0	0	0	0	0	0	797	33	36
13:00	10	**36**	**110**	398	252	35	0	0	0	0	0	0	0	0	841	33	35
14:00	11	21	82	333	241	33	4	0	0	0	0	0	0	0	725	33	36
15:00	13	23	106	**405**	237	25	1	0	0	0	0	0	0	0	810	32	35
16:00	9	24	107	348	281	39	0	0	0	0	0	0	0	0	808	33	35
17:00	11	21	107	389	**324**	**56**	1	0	0	0	0	0	0	0	**909**	33	36
18:00	10	5	50	256	245	41	0	0	0	0	0	0	0	0	607	34	36
19:00	9	8	32	194	147	25	4	0	0	0	0	0	0	0	419	33	36
20:00	5	11	26	134	107	18	2	0	0	0	0	0	0	0	303	33	36
21:00	2	7	24	113	83	15	0	0	0	0	0	0	0	0	244	33	36
22:00	5	4	35	94	46	8	1	0	0	0	0	0	0	0	193	32	35
23:00	1	2	9	48	31	6	2	0	0	0	0	0	0	0	99	34	37
Total	163	267	1199	4821	3540	565	31	2	0	0	0	0	0	0	10588		
Percent	1.5%	2.5%	11.3%	45.5%	33.4%	5.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	11:00	09:00	08:00	08:00	11:00	11:00	01:00							11:00		
Vol.	14	24	80	326	231	47	5	1							690		
PM Peak	12:00	13:00	13:00	15:00	17:00	17:00	12:00								17:00		
Vol.	16	36	110	405	324	56	4								909		

Cass St
(at 15th St intersection)
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
06/26/13	3	0	4	34	17	3	0	0	0	0	0	0	0	0	61	33	35
01:00	0	1	4	6	8	1	0	0	0	0	0	0	0	0	20	33	36
02:00	0	0	3	19	6	1	0	0	0	0	0	0	0	0	29	32	35
03:00	0	0	2	11	10	0	0	0	0	0	0	0	0	0	23	33	35
04:00	0	1	1	11	12	1	1	0	0	0	0	0	0	0	27	34	38
05:00	1	5	13	54	49	13	2	0	0	0	0	0	0	0	137	34	38
06:00	6	2	18	112	122	18	2	0	0	0	0	0	0	0	280	34	36
07:00	6	10	66	236	215	28	2	**1**	0	0	0	0	0	0	564	33	36
08:00	6	3	69	294	**254**	37	3	0	0	0	0	0	0	0	666	33	36
09:00	3	10	64	301	242	39	0	1	0	0	0	0	0	0	660	33	36
10:00	14	**11**	**85**	297	189	38	**4**	0	0	0	0	0	0	0	638	33	36
11:00	**15**	9	61	**315**	244	**57**	2	0	0	0	0	0	0	0	**703**	34	37
12 PM	14	**19**	107	356	291	50	4	0	0	0	0	0	0	0	841	33	36
13:00	**16**	18	**109**	365	275	46	2	0	0	0	0	0	0	0	831	33	36
14:00	11	16	84	330	277	38	2	0	0	0	0	0	0	0	758	33	36
15:00	13	15	68	375	257	43	2	**1**	0	0	0	0	0	0	774	33	36
16:00	7	19	92	**383**	291	36	**7**	1	0	0	0	0	0	0	836	33	36
17:00	3	17	97	376	**305**	**55**	6	1	0	0	0	0	0	0	**860**	34	36
18:00	7	7	35	199	203	40	6	0	0	**1**	0	0	0	0	498	34	37
19:00	7	2	22	149	132	34	2	1	0	0	0	0	0	0	349	34	37
20:00	7	2	15	132	121	18	5	0	0	0	0	0	0	0	300	34	37
21:00	6	1	27	112	80	11	0	0	0	0	0	0	0	0	237	33	35
22:00	3	3	21	97	44	8	0	0	0	0	0	0	0	0	176	32	35
23:00	4	0	11	39	28	8	1	0	0	0	0	0	0	0	91	34	37
Total	152	171	1078	4603	3672	623	53	6	0	1	0	0	0	0	10359		
Percent	1.5%	1.7%	10.4%	44.4%	35.4%	6.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	10:00	10:00	11:00	08:00	11:00	10:00	07:00							11:00		
Vol.	15	11	85	315	254	57	4	1							703		
PM Peak	13:00	12:00	13:00	16:00	17:00	17:00	16:00	15:00		18:00					17:00		
Vol.	16	19	109	383	305	55	7	1		1					860		

Cass St
(at 15th St intersection)
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
06/27/13	1	2	5	20	16	1	0	0	0	0	0	0	0	0	45	33	35
01:00	2	4	6	11	15	2	0	0	0	0	0	0	0	0	40	33	35
02:00	2	0	4	13	9	0	0	0	0	0	0	0	0	0	28	32	34
03:00	0	0	2	10	9	1	0	0	0	0	0	0	0	0	22	33	36
04:00	0	0	3	15	13	3	0	0	0	0	0	0	0	0	34	34	37
05:00	1	6	15	59	35	15	1	0	0	0	0	0	0	0	132	34	38
06:00	1	6	21	104	98	16	0	0	0	0	0	0	0	0	246	34	36
07:00	0	11	54	242	206	34	3	0	0	0	0	0	0	0	550	34	36
08:00	7	**19**	79	286	**236**	**56**	**5**	0	0	0	0	0	0	0	688	34	37
09:00	**11**	19	71	266	211	43	3	0	0	0	0	0	0	0	624	33	36
10:00	4	15	**113**	**311**	218	32	3	0	0	0	0	0	0	0	**696**	33	36
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	29	82	373	1337	1066	203	15	0	0	0	0	0	0	0	3105		
Percent	0.9%	2.6%	12.0%	43.1%	34.3%	6.5%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	08:00	10:00	10:00	08:00	08:00	08:00								10:00		
Vol.	11	19	113	311	236	56	5								696		
PM Peak Vol.																	
Grand Total	824	1038	5469	22508	17615	3167	243	17	0	1	0	0	0	0	50882		
Percent	1.6%	2.0%	10.7%	44.2%	34.6%	6.2%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile :	23 MPH
50th Percentile :	28 MPH
85th Percentile :	33 MPH
95th Percentile :	36 MPH

Statistics

10 MPH Pace Speed :	25-34 MPH
Number in Pace :	35610
Percent in Pace :	70.0%
Number of Vehicles > 25 MPH :	43551
Percent of Vehicles > 25 MPH :	85.6%
Mean Speed(Average) :	29 MPH