Memorandum

The City of Traverse City
Engineering Department

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

FROM: Brogan Beyette, Engineering Intern

DATE: June 10, 2013

SUBJECT: Speed count on 7th St., 400 block

The City of Traverse City Engineering Department conducted an on-site speed count beginning Friday, May 31, 2013 at 11:00am and ending Friday, June 7, 2013 at 1:00pm on 7th St., 400 block.

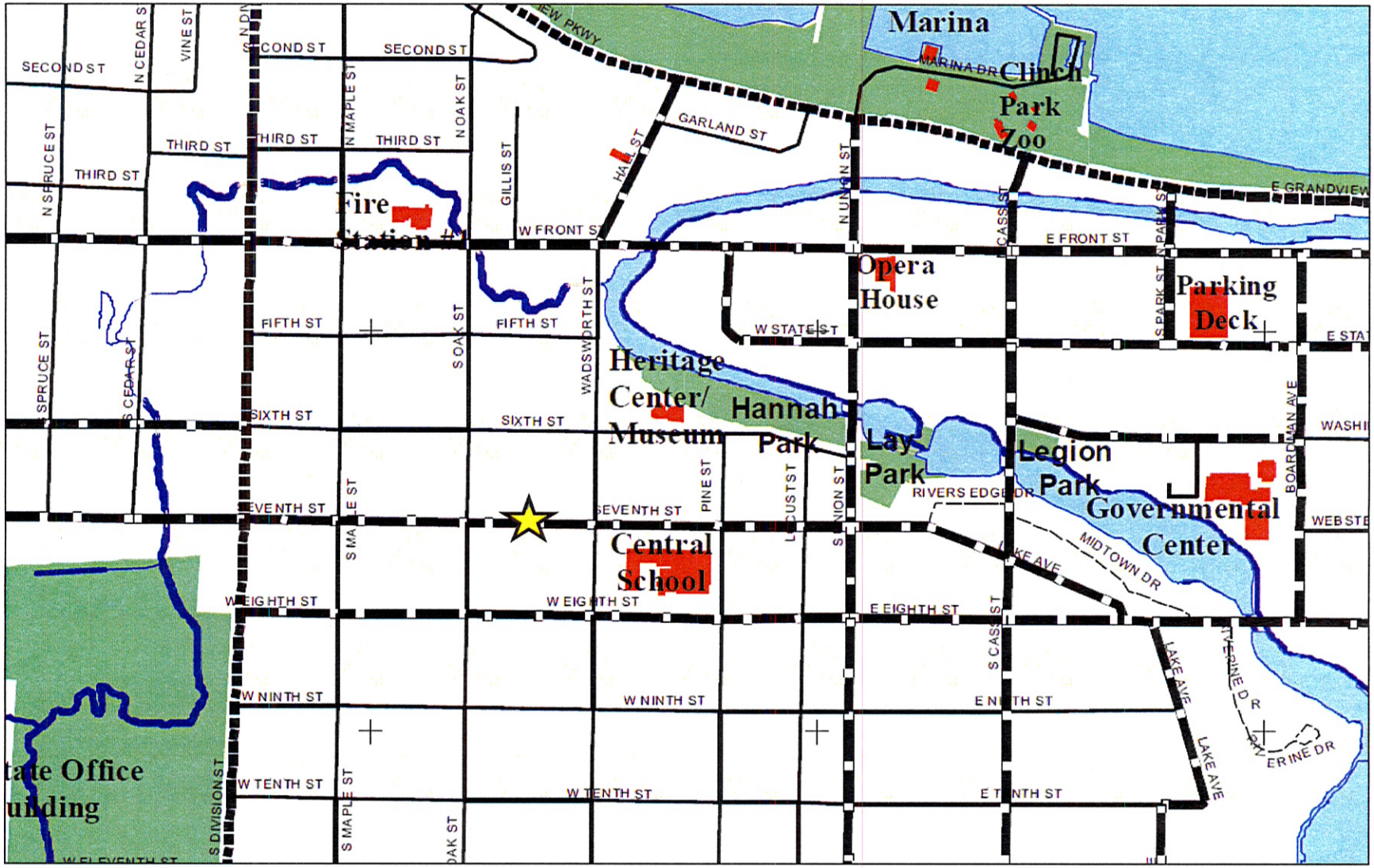
The Jamar Radar Recorder gathered data for each lane of traffic; one lane east bound and one lane west bound. The speeds of each vehicle were recorded in the device and then compiled into TraxPro where the lanes were combined into one report, regardless of direction. The report divided the speeds into 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 7th St. at this location is 25 mph. According to the enclosed detailed speed report, the average speed of the vehicles was 21 mph. 79% of the vehicles were at 25 mph and less with 98.7% of all vehicles at 30 mph and less.

Summary:

- Speed Limit: 25 mph
- Average Speed: 21 mph
- Total Number of Vehicles: 11,092
- 24-hr ADT Weekday: 1,794 vehicles
- 24-hr ADT Weekend: 915 vehicles
- 15th Percentile: 13 mph
- 50th Percentile: 21 mph
- 85th Percentile: 26 mph
- 95th Percentile: 29 mph

Enclosed: Detailed TraxPro Speed Report
Location Map


Marina
MARINA DR
Clinch Park Zoo
GARLAND ST
E GRANDVIEW
Fire Station #1
W FRONT ST
E FRONT ST
Opera House
Parking Deck
W STATE ST
Heritage Center/ Museum
Hannah Park
Lay Park
Legion Park
Governmental Center
RIVERS EDGE DR
MIDTOWN DR
Central School
SECOND ST
THIRD ST
FIFTH ST
SIXTH ST
SEVENTH ST
W EIGHTH ST
E EIGHTH ST
W NINTH ST
W TENTH ST
E TENTH ST
LAKE AVE
ERINE DR
N CEDAR S
VINE ST
N SPRUCE ST
N MAPLE ST
N OAK ST
GILLIS ST
HALL ST
N UNION ST
CASS ST
PARK ST
S SPRUCE ST
S CEDAR ST
S OAK ST
WADSWORTH ST
PINE ST
LOCUST ST
S UNION ST
BOARDMAN AVE
WEBSTE
S DIVISION ST
S MAPLE ST
tate Office uilding

7th St
400 block
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
05/31/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	**24**	**55**	**39**	**4**	0	0	0	0	0	0	0	0	0	0	**122**	22	24
12 PM	**14**	32	69	22	1	0	0	0	0	0	0	0	0	0	138	25	28
13:00	7	28	72	23	1	0	0	0	0	0	0	0	0	0	131	25	28
14:00	6	28	64	25	1	0	0	0	0	0	0	0	0	0	124	26	28
15:00	9	**35**	**92**	**34**	2	0	0	0	0	0	0	0	0	0	**172**	26	29
16:00	6	25	89	22	1	0	0	0	0	0	0	0	0	0	143	25	28
17:00	14	20	75	34	**5**	**1**	0	0	0	0	0	0	0	0	149	27	30
18:00	5	10	59	22	1	0	0	0	0	0	0	0	0	0	97	26	29
19:00	5	5	26	13	4	0	0	0	0	0	0	0	0	0	53	28	31
20:00	4	7	18	11	3	0	0	0	0	0	0	0	0	0	43	27	31
21:00	3	11	20	6	0	0	0	0	0	0	0	0	0	0	40	25	28
22:00	3	4	18	8	0	0	0	0	0	0	0	0	0	0	33	26	29
23:00	2	2	7	6	0	0	0	0	0	0	0	0	0	0	17	27	29
Total	102	262	648	230	19	1	0	0	0	0	0	0	0	0	1262		
Percent	8.1%	20.8%	51.3%	18.2%	1.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	11:00	11:00											11:00		
Vol.	24	55	39	4											122		
PM Peak	12:00	15:00	15:00	15:00	17:00	17:00									15:00		
Vol.	14	35	92	34	5	1									172		

7th St
400 block
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
06/01/13	0	2	7	2	0	0	0	0	0	0	0	0	0	0	11	26	28
01:00	3	2	7	0	1	0	0	0	0	0	0	0	0	0	13	24	30
02:00	0	2	3	2	0	0	0	0	0	0	0	0	0	0	7	27	29
03:00	0	0	3	3	0	0	0	0	0	0	0	0	0	0	6	28	30
04:00	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5	28	29
05:00	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3	32	34
06:00	0	0	11	8	1	0	0	0	0	0	0	0	0	0	20	28	31
07:00	1	3	7	4	0	0	0	0	0	0	0	0	0	0	15	26	29
08:00	**5**	5	17	11	0	0	0	0	0	0	0	0	0	0	38	26	29
09:00	4	4	38	15	**2**	0	0	0	0	0	0	0	0	0	63	27	30
10:00	3	**21**	**51**	21	1	0	0	0	0	0	0	0	0	0	**97**	26	29
11:00	4	11	44	**22**	1	0	0	0	0	0	0	0	0	0	82	27	29
12 PM	6	9	**52**	18	2	0	0	0	0	0	0	0	0	0	87	26	29
13:00	**10**	16	47	16	3	0	0	0	0	0	0	0	0	0	**92**	26	29
14:00	6	13	43	21	**5**	0	0	0	0	0	0	0	0	0	88	27	30
15:00	5	14	37	**22**	1	0	0	0	0	0	0	0	0	0	79	27	29
16:00	8	15	30	12	1	0	0	0	0	0	0	0	0	0	66	25	28
17:00	4	10	36	14	1	0	0	0	0	0	0	0	0	0	65	26	29
18:00	10	18	38	7	1	0	0	0	0	0	0	0	0	0	74	24	27
19:00	6	**21**	29	11	1	0	0	0	0	0	0	0	0	0	68	25	28
20:00	4	13	16	6	1	0	0	0	0	0	0	0	0	0	40	25	28
21:00	3	4	12	4	0	0	0	0	0	0	0	0	0	0	23	25	28
22:00	1	1	10	6	0	0	0	0	0	0	0	0	0	0	18	27	29
23:00	2	2	6	3	0	0	0	0	0	0	0	0	0	0	13	26	28
Total	85	186	549	230	23	0	0	0	0	0	0	0	0	0	1073		
Percent	7.9%	17.3%	51.2%	21.4%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	10:00	10:00	11:00	09:00										10:00		
Vol.	5	21	51	22	2										97		
PM Peak	13:00	19:00	12:00	15:00	14:00										13:00		
Vol.	10	21	52	22	5										92		

7th St
400 block
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
06/02/13	1	2	7	2	0	0	0	0	0	0	0	0	0	0	12	25	28
01:00	1	0	7	1	0	0	0	0	0	0	0	0	0	0	9	25	27
02:00	1	2	3	2	0	0	0	0	0	0	0	0	0	0	8	26	28
03:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3	23	25
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	25
05:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5	26	28
06:00	2	0	11	**12**	0	0	0	0	0	0	0	0	0	0	25	28	30
07:00	1	2	4	4	0	0	0	0	0	0	0	0	0	0	11	27	29
08:00	3	5	11	8	**1**	0	0	0	0	0	0	0	0	0	28	27	30
09:00	**5**	11	18	12	1	0	0	0	0	0	0	0	0	0	47	26	29
10:00	5	11	13	5	0	0	0	0	0	0	0	0	0	0	34	24	27
11:00	3	**15**	**33**	9	0	0	0	0	0	0	0	0	0	0	**60**	25	28
12 PM	5	**21**	**39**	8	0	0	0	0	0	0	0	0	0	0	**73**	24	27
13:00	**8**	13	33	8	1	0	0	0	0	0	0	0	0	0	63	25	28
14:00	8	12	26	**22**	1	0	0	0	0	0	0	0	0	0	69	27	29
15:00	6	14	22	9	1	0	0	0	0	0	0	0	0	0	52	25	28
16:00	4	6	25	9	**2**	0	0	0	0	0	0	0	0	0	46	26	30
17:00	4	7	26	12	2	0	0	0	0	0	0	0	0	0	51	27	30
18:00	5	5	33	12	1	0	0	0	0	0	0	0	0	0	56	26	29
19:00	1	1	20	6	2	0	0	0	0	0	0	0	0	0	30	27	31
20:00	2	7	15	9	0	0	0	0	0	0	0	0	0	0	33	26	29
21:00	1	6	9	3	0	0	0	0	0	0	0	0	0	0	19	25	28
22:00	0	2	12	2	0	0	0	0	0	0	0	0	0	0	16	25	27
23:00	0	0	3	3	0	0	0	0	0	0	0	0	0	0	6	28	30
Total	66	144	376	159	12	0	0	0	0	0	0	0	0	0	757		
Percent	8.7%	19.0%	49.7%	21.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	11:00	11:00	06:00	08:00										11:00		
Vol.	5	15	33	12	1										60		
PM Peak	13:00	12:00	12:00	14:00	16:00										12:00		
Vol.	8	21	39	22	2										73		

7th St
400 block
Speed

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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
06/03/13	1	2	0	1	0	0	0	0	0	0	0	0	0	0	4	25	28
01:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3	23	25
02:00	1	2	4	2	0	0	0	0	0	0	0	0	0	0	9	26	28
03:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3	23	25
04:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4	28	30
05:00	3	2	8	4	1	0	0	0	0	0	0	0	0	0	18	27	30
06:00	2	5	16	23	0	0	0	0	0	0	0	0	0	0	46	28	30
07:00	**12**	**23**	51	**29**	1	0	0	0	0	0	0	0	0	0	**116**	26	29
08:00	6	17	**64**	26	1	0	0	0	0	0	0	0	0	0	114	26	29
09:00	12	15	57	19	**2**	0	0	0	0	0	0	0	0	0	105	26	29
10:00	9	17	38	25	1	0	0	0	0	0	0	0	0	0	90	27	29
11:00	6	17	47	27	1	0	0	0	0	0	0	0	0	0	98	27	29
12 PM	5	15	79	29	1	0	0	0	0	0	0	0	0	0	129	26	29
13:00	3	19	74	31	1	0	**1**	0	0	0	0	0	0	0	129	26	29
14:00	7	24	70	28	**5**	0	0	0	0	0	0	0	0	0	134	26	30
15:00	6	**32**	**92**	36	3	0	0	0	0	0	0	0	0	0	**169**	26	29
16:00	8	10	85	**43**	4	0	0	0	0	0	0	0	0	0	150	27	30
17:00	8	17	88	42	3	0	0	0	0	0	0	0	0	0	158	27	29
18:00	**12**	13	51	19	1	0	0	0	0	0	0	0	0	0	96	26	28
19:00	6	19	31	4	0	0	0	0	0	0	0	0	0	0	60	24	26
20:00	5	17	23	2	0	0	0	0	0	0	0	0	0	0	47	23	25
21:00	4	8	16	5	0	0	0	0	0	0	0	0	0	0	33	25	27
22:00	2	3	13	2	0	0	0	0	0	0	0	0	0	0	20	24	27
23:00	4	1	6	3	0	0	0	0	0	0	0	0	0	0	14	25	28
Total	123	280	918	402	25	0	1	0	0	0	0	0	0	0	1749		
Percent	7.0%	16.0%	52.5%	23.0%	1.4%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	07:00	08:00	07:00	09:00										07:00		
Vol.	12	23	64	29	2										116		
PM Peak	18:00	15:00	15:00	16:00	14:00		13:00								15:00		
Vol.	12	32	92	43	5		1								169		

7th St
400 block
Speed

Site Code: 00000001
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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
06/04/13	0	2	4	3	0	0	0	0	0	0	0	0	0	0	9	27	29
01:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3	16	18
02:00	0	1	1	3	0	0	0	0	0	0	0	0	0	0	5	28	30
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	24	25
04:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4	28	30
05:00	3	2	7	7	1	0	0	0	0	0	0	0	0	0	20	28	30
06:00	3	5	21	11	**2**	0	0	0	0	0	0	0	0	0	42	27	30
07:00	**16**	**36**	**66**	17	0	0	0	0	0	0	0	0	0	0	**135**	24	27
08:00	7	32	52	23	1	0	0	0	0	0	0	0	0	0	115	26	28
09:00	4	16	51	19	0	0	0	0	0	0	0	0	0	0	90	26	28
10:00	3	17	66	**24**	2	0	0	0	0	0	0	0	0	0	112	26	29
11:00	8	22	66	21	0	0	0	0	0	0	0	0	0	0	117	25	28
12 PM	6	19	88	19	0	0	0	0	0	0	0	0	0	0	132	25	28
13:00	5	29	75	19	2	0	0	0	0	0	0	0	0	0	130	25	28
14:00	4	24	55	17	0	0	0	0	0	0	0	0	0	0	100	25	28
15:00	3	**45**	65	**29**	**3**	0	0	0	0	0	0	0	0	0	145	26	29
16:00	7	36	106	29	0	0	0	0	0	0	0	0	0	0	178	25	28
17:00	6	41	**121**	22	0	0	0	0	0	0	0	0	0	0	**190**	25	27
18:00	**9**	37	52	9	0	0	0	0	0	0	0	0	0	0	107	24	26
19:00	3	21	29	4	0	0	0	0	0	0	0	0	0	0	57	24	26
20:00	2	13	23	3	0	0	0	0	0	0	0	0	0	0	41	24	26
21:00	8	12	17	1	1	0	0	0	0	0	0	0	0	0	39	23	25
22:00	3	7	8	1	1	0	0	0	0	0	0	0	0	0	20	23	28
23:00	0	2	7	4	0	0	0	0	0	0	0	0	0	0	13	27	29
Total	102	421	983	287	13	0	0	0	0	0	0	0	0	0	1806		
Percent	5.6%	23.3%	54.4%	15.9%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	07:00	07:00	10:00	06:00										07:00		
Vol.	16	36	66	24	2										135		
PM Peak	18:00	15:00	17:00	15:00	15:00										17:00		
Vol.	9	45	121	29	3										190		

7th St
400 block
Speed

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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
06/05/13	2	1	5	2	0	0	0	0	0	0	0	0	0	0	10	25	28
01:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	26	29
02:00	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	24	25
03:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	27	29
04:00	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3	21	24
05:00	0	0	10	6	1	0	0	0	0	0	0	0	0	0	17	28	31
06:00	4	6	31	10	0	**1**	0	0	0	0	0	0	0	0	52	26	29
07:00	3	19	67	**27**	1	0	0	0	0	0	0	0	0	0	**117**	26	29
08:00	**7**	18	65	24	0	0	0	0	0	0	0	0	0	0	114	26	28
09:00	5	20	54	18	0	0	0	0	0	0	0	0	0	0	97	25	28
10:00	7	**22**	**72**	8	**3**	0	0	0	0	0	0	0	0	0	112	24	27
11:00	6	22	65	21	1	0	0	0	0	0	0	0	0	0	115	25	28
12 PM	**9**	21	69	24	3	0	0	0	0	0	0	0	0	0	126	26	29
13:00	3	21	63	21	3	0	0	0	0	0	0	0	0	0	111	26	29
14:00	2	27	70	18	0	0	0	0	0	0	0	0	0	0	117	25	28
15:00	3	**39**	90	24	**5**	0	0	0	0	0	0	0	0	0	161	25	29
16:00	8	20	88	**46**	1	0	0	0	0	0	0	0	0	0	163	27	29
17:00	5	33	**120**	38	2	0	0	0	0	0	0	0	0	0	**198**	26	29
18:00	5	9	49	28	3	0	0	0	0	0	0	0	0	0	94	27	30
19:00	3	23	50	14	2	0	0	0	0	0	0	0	0	0	92	25	28
20:00	4	6	32	12	1	0	0	0	0	0	0	0	0	0	55	26	29
21:00	1	13	15	2	0	0	0	0	0	0	0	0	0	0	31	23	26
22:00	0	3	15	4	1	0	0	0	0	0	0	0	0	0	23	26	30
23:00	1	3	8	2	0	0	0	0	0	0	0	0	0	0	14	25	27
Total	81	327	1045	351	27	1	0	0	0	0	0	0	0	0	1832		
Percent	4.4%	17.8%	57.0%	19.2%	1.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	10:00	10:00	07:00	10:00	06:00									07:00		
Vol.	7	22	72	27	3	1									117		
PM Peak	12:00	15:00	17:00	16:00	15:00										17:00		
Vol.	9	39	120	46	5										198		

7th St
400 block
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
06/06/13	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	24	25
01:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	26	29
02:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	21	24
03:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	28	30
04:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	17	19
05:00	1	2	8	6	0	0	0	0	0	0	0	0	0	0	17	27	29
06:00	1	4	25	21	**2**	0	0	0	0	0	0	0	0	0	53	28	30
07:00	5	**28**	**72**	17	0	0	0	0	0	0	0	0	0	0	**122**	25	27
08:00	**8**	13	64	19	1	0	0	0	0	0	0	0	0	0	105	26	28
09:00	2	18	51	17	1	0	0	0	0	0	0	0	0	0	89	26	29
10:00	5	20	71	23	0	0	0	0	0	0	0	0	0	0	119	26	28
11:00	4	18	52	**26**	1	0	0	0	0	0	0	0	0	0	101	26	29
12 PM	4	24	79	**33**	**3**	0	0	0	0	0	0	0	0	0	143	26	29
13:00	8	18	73	27	1	0	0	0	0	0	0	0	0	0	127	26	29
14:00	4	28	82	23	1	0	0	0	0	0	0	0	0	0	138	25	28
15:00	5	**41**	**104**	21	0	0	0	0	0	0	0	0	0	0	**171**	25	27
16:00	9	19	90	31	2	0	0	0	0	0	0	0	0	0	151	26	29
17:00	**12**	18	93	30	0	0	0	0	0	0	0	0	0	0	153	26	28
18:00	12	15	57	19	2	0	0	0	0	0	0	0	0	0	105	26	29
19:00	6	10	34	11	1	0	0	0	0	0	0	0	0	0	62	25	29
20:00	7	10	33	9	0	0	0	0	0	0	0	0	0	0	59	25	28
21:00	1	8	17	4	0	0	0	0	0	0	0	0	0	0	30	25	27
22:00	0	3	10	2	0	0	0	0	0	0	0	0	0	0	15	25	27
23:00	2	2	6	4	0	0	0	0	0	0	0	0	0	0	14	26	29
Total	98	302	1029	345	15	0	0	0	0	0	0	0	0	0	1789		
Percent	5.5%	16.9%	57.5%	19.3%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	07:00	07:00	11:00	06:00										07:00		
Vol.	8	28	72	26	2										122		
PM Peak	17:00	15:00	15:00	12:00	12:00										15:00		
Vol.	12	41	104	33	3										171		

7th St
400 block
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
06/07/13	2	1	5	1	0	0	0	0	0	0	0	0	0	0	9	24	27
01:00	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4	24	25
02:00	4	2	1	3	0	0	0	0	0	0	0	0	0	0	10	26	29
03:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3	32	34
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	23	24
05:00	0	6	7	4	0	0	0	0	0	0	0	0	0	0	17	26	28
06:00	1	7	30	16	1	0	0	0	0	0	0	0	0	0	55	27	29
07:00	2	20	64	14	0	0	0	0	0	0	0	0	0	0	100	25	28
08:00	**15**	27	61	20	2	0	0	0	0	0	0	0	0	0	125	25	28
09:00	6	32	54	17	**4**	0	0	0	0	0	0	0	0	0	113	25	29
10:00	7	**33**	64	21	1	0	0	0	0	0	0	0	0	0	126	25	28
11:00	8	20	**74**	**32**	1	0	0	0	0	0	0	0	0	0	**135**	26	29
12 PM	**3**	**18**	**56**	**46**	**2**	0	0	0	0	0	0	0	0	0	**125**	27	30
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	48	168	420	176	12	0	0	0	0	0	0	0	0	0	824		
Percent	5.8%	20.4%	51.0%	21.4%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	10:00	11:00	11:00	09:00										11:00		
Vol.	15	33	74	32	4										135		
PM Peak	12:00	12:00	12:00	12:00	12:00										12:00		
Vol.	3	18	56	46	2										125		
Grand Total	705	2090	5968	2180	146	2	1	0	0	0	0	0	0	0	11092		
Percent	6.4%	18.8%	53.8%	19.7%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile :	13 MPH
50th Percentile :	21 MPH
85th Percentile :	26 MPH
95th Percentile :	29 MPH

Statistics

10 MPH Pace Speed :	19-28 MPH
Number in Pace :	7084
Percent in Pace :	63.9%
Number of Vehicles > 25 MPH :	2329
Percent of Vehicles > 25 MPH :	21.0%
Mean Speed(Average) :	21 MPH