Memorandum

The City of Traverse City
Engineering Department

TO: Timothy J. Lodge, P.E., City Engineer
FROM: Jessica Carpenter, E.I.T., Engineering Technician
DATE: Friday, October 24, 2014
SUBJECT: Pre and Post Striping Speed Study of E. Eighth Street, 300 Block between Lake Ave. and Boardman Ave.

City Engineering performed an on-site 2-week speed count beginning Wednesday, September 24, 2014 at 11 am until Wednesday, October 8, 2014 at 11 am on the 300 block of E. Eighth St. This memo is to formalize City Engineering's initial findings and observations with regard to the pre and post striping speeds of vehicles on the 300 block of E. Eighth St.

The data was gathered using a Jamar Radar Recorder which collected traffic data, including vehicle speed, for each lane of traffic (eastbound and westbound). This information was then analyzed and the data for each lane compiled into one report, regardless of direction, using TraxPro. The TraxPro report organized the speeds of the vehicles into groups based on 5 mile per hour increments, starting with 0-15 miles per hour. The report shows how many vehicles were within the specified speed range during the time indicated by the report. The speed data was also analyzed through TraxPro's Police Report program to evaluate the possible percentage of enforceable violations. This data was then organized into a small colored chart where red means high enforcement potential and green means low on a total scale for enforceable violations of 30 percent. For this report the enforceable minimum speed a vehicle would need to be traveling was set to 5 miles per hour over the posted speed limit.

During the 2-week study, 238,177 vehicles were recorded on this section of Eighth St with about 76 percent of eastbound vehicles traveling between 21 and 30 miles per hour and an average speed of 27 miles per hour. Westbound vehicles had an average speed of 25 miles per hour, with about 72 percent traveling between 21 and 30 miles per hour. 42,889 eastbound vehicles, about 34 percent, and 53,137 westbound vehicles, about 48 percent, were recorded going speeds below the posted speed limit of 25 miles per hour. The total percentage of enforceable violations was about 14 percent.

A 7 day study, from August 7, 2014 until August 14, 2014, was done on this section of Eighth St before it was reduced to a three lane section. During this study, 58 percent of eastbound vehicles were traveling between 27 and 36 miles per hour with an average speed of 30 miles per hour. Westbound vehicles had an average speed of 24 miles per hour, with about 57 percent traveling between 22 and 31 miles per hour. 10,141 eastbound vehicles, about 18 percent, and 24,203 westbound vehicles, about 47 percent, were recorded going speeds below the posted speed limit of 25 miles per hour. The total percentage of enforceable violations was about 35 percent.

The post-striping average speed decreased by 3 miles per hour for eastbound vehicles and increased by 1 mile per hour for westbound vehicles. Eastbound pace speed decreased by 6 miles per hour while westbound vehicles pace speed decreased by 1 mile per hour after the road was reduced to a three lane section. The percentage of vehicles driving under the posted

speed limit was increased by 16 percent for vehicles traveling east, and increased by one percent for westbound vehicles. The total percentage of enforceable violations decreased by 21 percent after the road was reduced to a three lane section.

Post-Striping Summary:

- Speed Limit: 25 mph
- Number of Recorded Vehicles (2 weeks): 238,177
- Average Speed 26 mph
- Total Enforcement Rating Low
- Total Percentage Above Speed Limit 59.7 %

Pre-Striping vs Post-Striping Summary:

	Pre-Striping	**Post-Striping**
Average Speed	27 mph	26 mph
85th Percentile Speed	33 mph	29 mph
Total Percentage Above Speed Limit	67.60%	59.70%
Total Enforcement Rating	High	Low

Encl.: Detailed TraxPro Speed Report (Combined)
TraxPro Enforcement Report

Speed Enforcement Evaluator

Location:
Eighth St

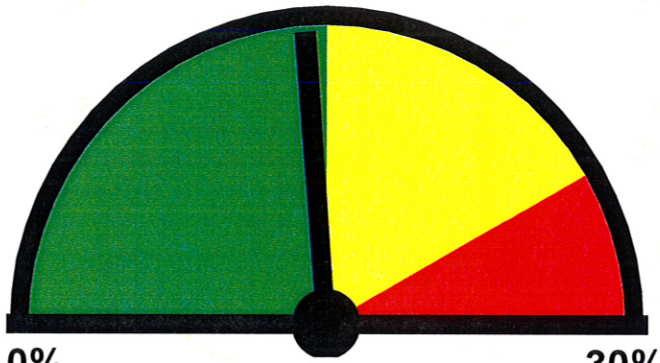
Closest Cross Street:
Lake Ave

Analysis Dates:
Wednesday, September 24, 2014
Wednesday, October 08, 2014

Equipment Used:
Radar Recorder

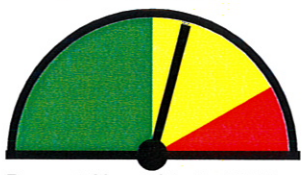
Installed By:
JLC

Total Percentage of
Enforceable Violations



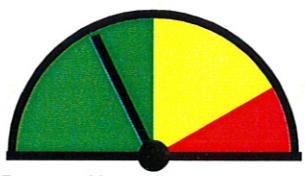
Posted Speed Limit: 25 MPH
Enforcement Tolerance: 5 MPH
Enforcement Limit: 31 MPH & Up
Percentage Above Limit: 14.3%
Enforcement Rating: LOW

Lane1



Percent Above Limit: 17.5%
Enforcement Rating: MEDIUM

Lane2



Percent Above Limit: 10.7%
Enforcement Rating: LOW

Best Times for Enforcement

Location:
Eighth St

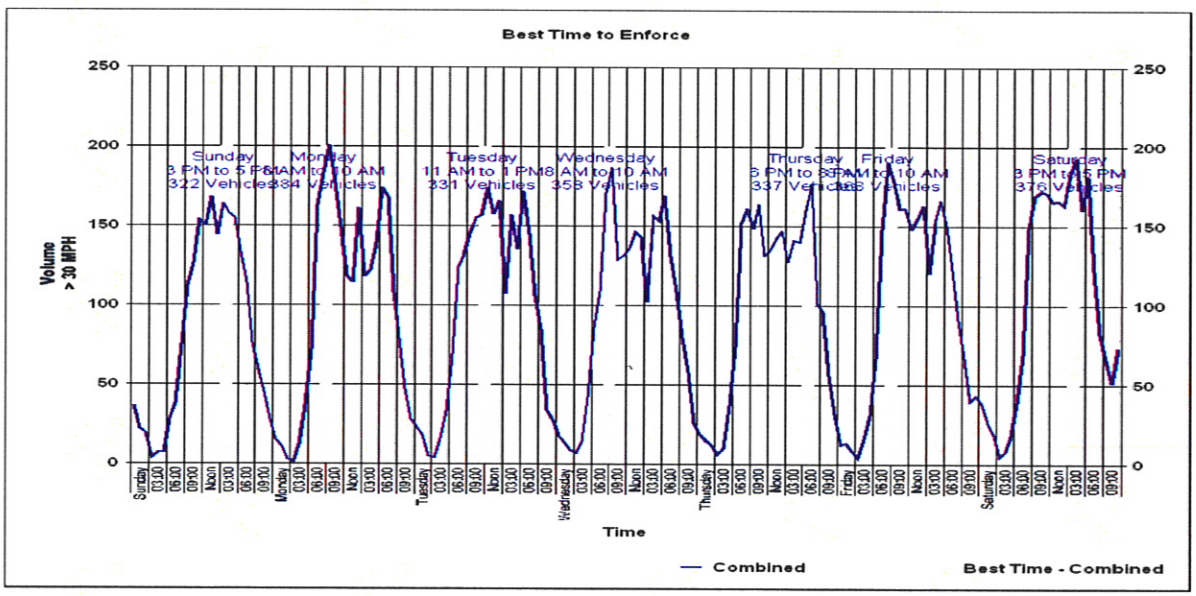
Closest Cross Street:
Lake Ave

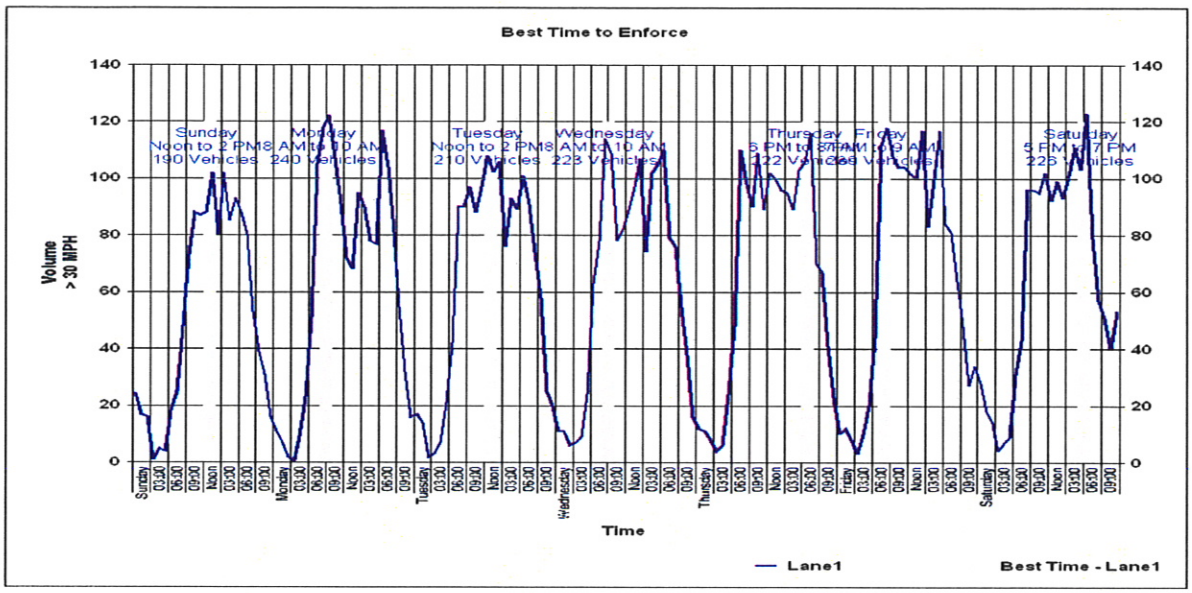
Analysis Dates:
Wednesday, September 24, 2014
Wednesday, October 08, 2014

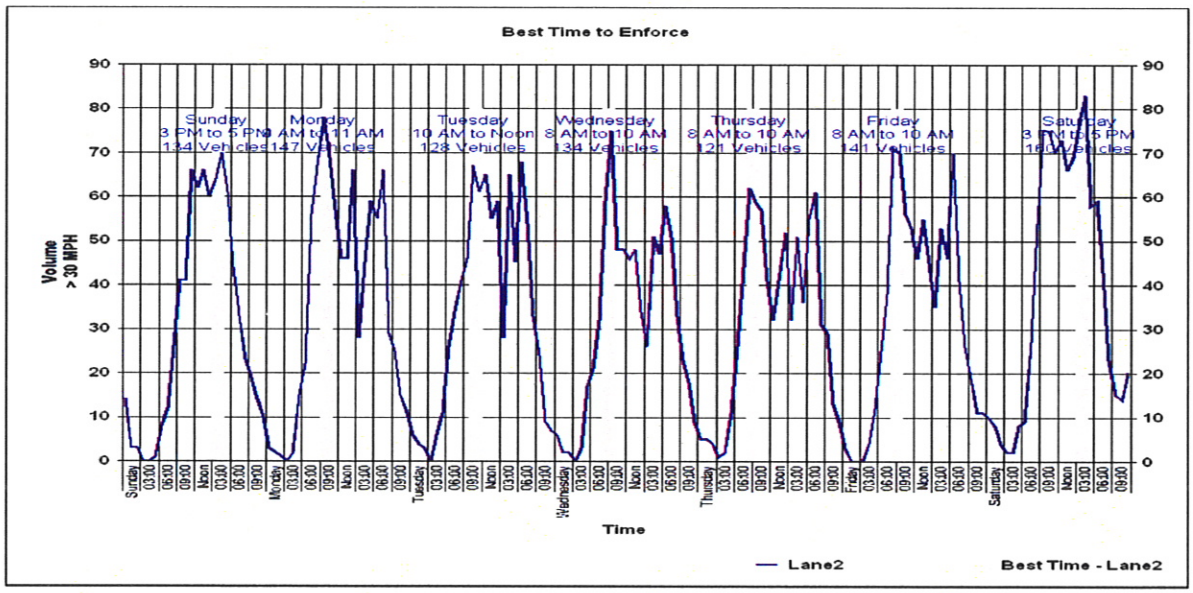
Equipment Used:
Radar Recorder

Installed By:
JLC

Sun	**Combined: 3 PM to 5 PM**
	Lane1: Noon to 2 PM
	Lane2: 3 PM to 5 PM
Mon	**Combined: 8 AM to 10 AM**
	Lane1: 8 AM to 10 AM
	Lane2: 9 AM to 11 AM
Tue	**Combined: 11 AM to 1 PM**
	Lane1: Noon to 2 PM
	Lane2: 10 AM to Noon
Wed	**Combined: 8 AM to 10 AM**
	Lane1: 8 AM to 10 AM
	Lane2: 8 AM to 10 AM
Thu	**Combined: 6 PM to 8 PM**
	Lane1: 6 PM to 8 PM
	Lane2: 8 AM to 10 AM
Fri	**Combined: 8 AM to 10 AM**
	Lane1: 7 AM to 9 AM
	Lane2: 8 AM to 10 AM
Sat	**Combined: 3 PM to 5 PM**
	Lane1: 5 PM to 7 PM
	Lane2: 3 PM to 5 PM




Best Time to Enforce
Volume > 30 MPH
Time
Sunday
Noon to 2 PM
190 Vehicles
Monday
8 AM to 10 AM
240 Vehicles
Tuesday
Noon to 2 PM
210 Vehicles
Wednesday
8 AM to 10 AM
223 Vehicles
Thursday
5 PM to 7 PM
222 Vehicles
Friday
8 AM to 10 AM
Saturday
5 PM to 7 PM
225 Vehicles
Lane1
Best Time - Lane1


Best Time to Enforce
Volume > 30 MPH
Time
Sunday
3 PM to 5 PM
134 Vehicles
Monday
8 AM to 11 AM
147 Vehicles
Tuesday
10 AM to Noon
128 Vehicles
Wednesday
8 AM to 10 AM
134 Vehicles
Thursday
8 AM to 10 AM
121 Vehicles
Friday
8 AM to 10 AM
141 Vehicles
Saturday
3 PM to 5 PM
Lane2
Best Time - Lane2

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
09/24/14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	**47**	**148**	**429**	**574**	**126**	**7**	0	0	0	0	0	0	0	0	**1331**	21-30	1005
12 PM	19	134	451	684	125	6	0	0	0	0	0	0	0	0	1419	21-30	1136
13:00	28	115	398	586	**160**	5	1	0	0	0	0	0	0	0	1293	21-30	985
14:00	38	140	468	603	139	4	1	**1**	0	0	0	0	0	0	1394	21-30	1073
15:00	136	**294**	**554**	418	59	5	3	0	0	0	0	0	0	0	1469	21-30	978
16:00	65	130	424	**709**	151	4	**4**	0	0	0	0	0	0	0	1487	21-30	1136
17:00	**189**	236	551	416	106	8	2	0	0	0	0	0	0	0	**1508**	21-30	975
18:00	64	106	399	612	149	**13**	0	0	0	0	0	0	0	0	1343	21-30	1014
19:00	20	49	276	446	152	9	1	0	0	0	0	0	0	0	953	21-30	723
20:00	12	44	252	362	85	8	1	0	0	0	0	0	0	0	764	21-30	615
21:00	2	18	125	214	78	5	1	0	0	0	0	0	0	0	443	21-30	339
22:00	9	11	77	145	59	5	1	0	0	0	0	0	0	0	307	21-30	222
23:00	4	10	34	108	32	4	0	0	0	**1**	0	0	0	0	193	21-30	142
Total	633	1435	4438	5877	1421	83	15	1	0	1	0	0	0	0	13904		
Percent	4.6%	10.3%	31.9%	42.3%	10.2%	0.6%	0.1%	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	11:00									11:00		
Vol.	47	148	429	574	126	7									1331		
PM Peak	17:00	15:00	15:00	16:00	13:00	18:00	16:00	14:00		23:00					17:00		
Vol.	189	294	554	709	160	13	4	1		1					1508		

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
09/25/14	5	2	25	59	30	6	**2**	0	0	0	0	0	0	0	129	26-35	89
01:00	0	2	13	32	22	5	0	0	0	0	0	0	0	0	74	26-35	54
02:00	2	2	8	22	9	2	0	0	0	0	0	0	0	**1**	46	26-35	31
03:00	0	2	5	15	8	1	2	0	0	0	0	0	0	0	33	26-35	23
04:00	2	3	11	23	6	4	0	0	0	0	0	0	0	0	49	21-30	34
05:00	3	6	7	61	36	4	1	0	0	0	0	0	0	0	118	26-35	97
06:00	3	16	58	198	76	6	0	0	0	0	0	0	0	0	357	26-35	274
07:00	28	80	271	480	148	**11**	1	0	0	0	0	0	0	0	1019	21-30	752
08:00	33	93	319	534	153	11	1	0	0	0	0	0	0	0	1144	21-30	855
09:00	33	62	279	526	137	9	0	0	0	0	0	0	0	0	1046	21-30	807
10:00	17	69	304	551	**165**	11	0	0	0	0	0	0	0	0	1117	21-30	856
11:00	**47**	**94**	**340**	**566**	130	11	0	**1**	0	0	0	0	0	0	**1189**	21-30	908
12 PM	53	133	419	629	135	9	0	0	0	0	0	0	0	0	1378	21-30	1051
13:00	28	113	423	615	126	6	1	0	0	0	0	0	0	0	1312	21-30	1039
14:00	52	119	384	637	**158**	**13**	0	0	0	0	0	0	0	0	1363	21-30	1023
15:00	109	**200**	501	567	108	10	0	0	0	0	0	0	0	0	1495	21-30	1073
16:00	78	158	**529**	**698**	117	9	**2**	0	0	0	0	0	0	0	**1591**	21-30	1231
17:00	**111**	162	471	690	135	10	2	0	0	0	0	0	0	0	1581	21-30	1166
18:00	82	155	395	639	148	8	0	**1**	0	0	0	0	0	0	1428	21-30	1038
19:00	31	84	263	515	157	12	1	0	0	0	0	0	0	0	1063	21-30	779
20:00	16	71	234	371	92	7	0	0	**1**	0	0	0	0	0	792	21-30	606
21:00	17	21	169	255	76	4	1	0	0	0	0	0	0	0	543	21-30	425
22:00	7	14	95	196	39	3	0	0	0	0	0	0	0	0	354	21-30	291
23:00	4	9	52	139	53	8	0	0	0	0	0	0	0	0	265	26-35	192
Total	761	1670	5575	9018	2264	180	14	2	1	0	0	0	0	1	19486		
Percent	3.9%	8.6%	28.6%	46.3%	11.6%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	11:00	11:00	10:00	07:00	00:00	11:00						02:00	11:00		
Vol.	47	94	340	566	165	11	2	1						1	1189		
PM Peak	17:00	15:00	16:00	16:00	14:00	14:00	16:00	18:00	20:00						16:00		
Vol.	111	200	529	698	158	13	2	1	1						1591		

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
09/26/14	6	6	29	61	30	1	1	0	0	0	0	0	0	0	134	26-35	91
01:00	1	5	12	20	10	2	2	0	0	0	0	0	0	0	52	21-30	32
02:00	2	0	7	16	8	1	1	0	0	0	0	0	0	0	35	26-35	24
03:00	1	2	4	13	3	2	2	0	0	0	0	0	0	0	27	21-30	17
04:00	0	5	8	18	15	1	1	0	0	0	0	0	0	0	48	26-35	33
05:00	4	11	23	55	31	3	**3**	**1**	0	0	0	0	0	0	131	26-35	86
06:00	6	25	63	169	64	7	0	0	0	0	0	0	0	0	334	26-35	233
07:00	30	73	263	485	158	10	2	0	0	0	0	0	0	0	1021	21-30	749
08:00	24	65	298	551	**192**	15	3	0	0	0	0	0	0	0	1148	21-30	850
09:00	33	53	259	530	182	**20**	0	0	0	0	0	0	0	0	1077	21-30	791
10:00	**38**	**93**	332	574	147	13	0	0	0	0	0	0	0	0	1197	21-30	908
11:00	35	79	**345**	**626**	156	12	0	0	0	0	0	0	0	0	**1253**	21-30	973
12 PM	67	123	449	617	115	7	0	0	0	0	0	0	0	0	1378	21-30	1069
13:00	60	**164**	409	559	148	3	1	0	0	0	0	0	0	0	1344	21-30	971
14:00	56	110	383	591	144	5	1	0	0	0	0	0	0	0	1290	21-30	977
15:00	90	160	**497**	601	122	5	2	0	0	0	0	0	0	0	1477	21-30	1102
16:00	**108**	155	423	595	129	8	0	0	0	0	0	0	0	0	1418	21-30	1023
17:00	40	130	443	**713**	**181**	11	1	0	0	0	0	0	0	0	**1519**	21-30	1158
18:00	37	78	392	649	160	10	0	0	0	0	0	0	0	0	1326	21-30	1043
19:00	37	61	266	437	114	**14**	0	**1**	0	0	0	0	0	0	930	21-30	705
20:00	17	46	204	338	74	7	1	0	**1**	0	0	0	0	0	688	21-30	543
21:00	12	25	169	261	58	3	1	0	0	0	0	0	0	0	529	21-30	431
22:00	18	27	113	280	76	2	**3**	0	0	0	0	0	0	0	519	21-30	394
23:00	6	20	88	227	94	7	1	0	0	0	0	0	0	0	443	26-35	321
Total	728	1516	5479	8986	2411	169	26	2	1	0	0	0	0	0	19318		
Percent	3.8%	7.8%	28.4%	46.5%	12.5%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	10:00	11:00	11:00	08:00	09:00	05:00	05:00							11:00		
Vol.	38	93	345	626	192	20	3	1							1253		
PM Peak	16:00	13:00	15:00	17:00	17:00	19:00	22:00	19:00	20:00						17:00		
Vol.	108	164	497	713	181	14	3	1	1						1519		

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
09/27/14	1	1	21	75	34	4	0	0	0	0	0	0	0	0	136	26-35	109
01:00	4	2	17	40	23	5	0	0	0	0	0	0	0	0	91	26-35	63
02:00	2	1	9	27	18	4	**1**	0	0	0	0	0	0	0	62	26-35	45
03:00	3	1	3	21	5	0	0	0	0	0	0	0	0	0	33	26-35	26
04:00	2	1	6	17	6	3	0	0	0	0	0	0	0	0	35	26-35	23
05:00	2	8	6	22	14	6	0	0	0	0	0	0	0	0	58	26-35	36
06:00	0	2	22	76	39	4	0	0	0	0	0	0	0	0	143	26-35	115
07:00	6	15	52	151	71	11	1	0	0	0	0	0	0	0	307	26-35	222
08:00	8	20	91	221	128	**19**	1	0	0	0	0	0	0	0	488	26-35	349
09:00	6	34	129	381	**165**	9	1	0	0	0	0	0	0	0	725	26-35	546
10:00	17	54	213	**499**	163	11	1	0	0	0	0	0	0	0	958	21-30	713
11:00	**38**	**92**	**289**	497	160	12	1	0	0	0	0	0	0	0	**1089**	21-30	788
12 PM	**46**	**84**	**298**	486	145	5	0	0	0	0	0	0	0	0	**1064**	21-30	786
13:00	15	67	285	468	148	17	**1**	0	0	0	0	0	0	0	1001	21-30	754
14:00	33	61	246	**489**	155	13	0	0	0	0	0	0	0	0	997	21-30	737
15:00	30	52	198	460	146	11	1	**1**	0	0	0	0	0	0	899	21-30	659
16:00	9	33	173	437	**187**	11	0	0	0	0	0	0	0	0	850	26-35	624
17:00	21	57	202	388	132	11	1	0	0	0	0	0	0	0	812	21-30	591
18:00	11	45	146	328	155	**25**	1	0	0	0	**1**	**1**	0	0	713	26-35	483
19:00	4	45	167	324	97	9	0	0	0	0	0	0	0	0	646	21-30	491
20:00	11	47	165	250	73	7	0	0	0	0	0	0	0	0	553	21-30	416
21:00	7	21	124	241	62	6	1	0	0	0	0	0	0	0	462	21-30	365
22:00	3	19	79	181	58	3	0	0	0	0	0	0	0	0	343	21-30	260
23:00	1	20	85	173	78	1	0	0	0	0	0	0	0	0	358	21-30	258
Total	280	782	3026	6252	2262	207	11	1	0	0	1	1	0	0	12823		
Percent	2.2%	6.1%	23.6%	48.8%	17.6%	1.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	11:00	10:00	09:00	08:00	02:00								11:00		
Vol.	38	92	289	499	165	19	1								1089		
PM Peak	12:00	12:00	12:00	14:00	16:00	18:00	13:00	15:00			18:00	18:00			12:00		
Vol.	46	84	298	489	187	25	1	1			1	1			1064		

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
09/28/14	3	6	31	77	28	5	**2**	0	0	0	0	0	0	0	152	21-30	108
01:00	5	3	8	33	12	6	0	0	0	0	0	0	0	0	67	26-35	45
02:00	0	1	7	34	21	5	1	0	0	0	0	0	0	0	69	26-35	55
03:00	0	1	8	18	6	2	0	0	0	0	0	0	0	0	35	21-30	26
04:00	0	2	3	7	5	2	2	**1**	0	0	0	0	0	0	22	25-34	12
05:00	0	0	4	10	7	2	0	0	0	0	0	0	0	0	23	26-35	17
06:00	3	3	17	48	28	4	0	0	0	0	0	0	0	0	103	26-35	76
07:00	1	7	26	67	32	9	1	0	0	0	0	0	0	0	143	26-35	99
08:00	6	7	69	170	72	**10**	0	0	0	0	0	0	0	0	334	26-35	242
09:00	9	26	79	219	109	10	2	0	0	0	0	0	0	0	454	26-35	328
10:00	**17**	**37**	144	320	120	10	2	0	0	0	0	0	0	0	650	21-30	465
11:00	16	36	**187**	**336**	**152**	10	2	0	0	0	0	0	0	0	**739**	21-30	524
12 PM	20	**65**	**223**	416	129	10	0	0	0	0	0	0	0	0	**863**	21-30	640
13:00	10	56	195	**417**	**165**	11	0	0	0	0	0	0	0	0	854	21-30	612
14:00	20	43	169	362	105	5	1	0	0	0	0	0	0	0	705	21-30	532
15:00	**23**	38	163	387	131	10	**3**	0	0	0	0	0	0	0	755	21-30	551
16:00	14	36	177	350	133	9	0	0	0	0	0	0	0	0	719	21-30	528
17:00	13	30	143	338	145	8	1	0	0	0	**1**	0	0	0	679	26-35	484
18:00	14	37	148	362	118	9	1	0	0	0	0	0	0	0	689	21-30	511
19:00	7	35	118	242	106	**13**	2	0	0	0	0	0	0	0	523	21-30	360
20:00	6	28	96	207	83	7	0	0	0	0	0	0	0	0	427	21-30	303
21:00	5	12	71	150	55	9	0	0	0	0	0	0	0	0	302	21-30	221
22:00	6	8	43	96	44	5	1	0	0	0	0	0	0	0	203	26-35	140
23:00	3	4	27	55	34	6	0	0	0	0	0	0	0	0	129	26-35	89
Total	201	521	2156	4721	1840	177	21	1	0	0	1	0	0	0	9639		
Percent	2.1%	5.4%	22.4%	49.0%	19.1%	1.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	10:00	11:00	11:00	11:00	08:00	00:00	04:00							11:00		
Vol.	17	37	187	336	152	10	2	1							739		
PM Peak	15:00	12:00	12:00	13:00	13:00	19:00	15:00				17:00				12:00		
Vol.	23	65	223	417	165	13	3				1				863		

Eighth St
300 Block, Between Lake Ave and Boardman Ave
Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
09/29/14	2	2	20	39	26	2	0	**1**	0	0	0	0	0	0	92	26-35	65
01:00	2	1	3	15	7	3	1	0	0	0	0	0	0	0	32	26-35	22
02:00	0	1	3	8	4	1	0	0	0	0	0	0	0	0	17	24-33	12
03:00	0	2	4	13	2	0	0	0	0	0	0	0	0	0	21	21-30	17
04:00	1	2	11	19	10	2	0	0	0	0	0	0	0	0	45	21-30	30
05:00	2	7	15	63	29	4	**2**	0	0	0	0	0	0	0	122	26-35	92
06:00	5	7	63	167	72	4	0	0	0	0	0	0	0	0	318	26-35	239
07:00	21	99	274	491	143	**17**	1	0	0	0	0	0	0	0	1046	21-30	766
08:00	37	72	278	528	177	17	0	1	0	0	0	0	0	0	1110	21-30	808
09:00	19	58	251	510	**179**	8	2	0	0	0	0	0	0	0	1027	21-30	762
10:00	30	59	273	501	178	5	0	0	0	0	0	0	0	0	1046	21-30	775
11:00	**41**	**104**	**359**	**564**	114	7	2	0	0	0	0	0	0	0	**1191**	21-30	925
12 PM	65	148	474	568	97	4	0	0	0	0	0	0	0	0	1356	21-30	1045
13:00	42	145	482	543	84	8	1	0	0	0	0	0	0	0	1305	21-30	1027
14:00	44	152	470	471	**130**	15	2	0	0	0	0	0	0	0	1284	21-30	943
15:00	105	204	**606**	501	102	2	1	0	0	0	0	0	0	0	1521	21-30	1112
16:00	**118**	175	605	584	101	4	1	0	0	0	0	0	0	0	1588	21-30	1195
17:00	93	**215**	533	**630**	111	6	1	**2**	0	0	0	0	0	0	**1591**	21-30	1167
18:00	42	134	434	585	128	9	**8**	2	0	0	0	0	**1**	0	1343	21-30	1021
19:00	10	45	213	418	130	15	0	0	0	0	0	0	0	0	831	21-30	631
20:00	13	40	149	296	97	**17**	1	1	0	0	0	0	0	0	614	21-30	446
21:00	5	16	84	209	67	12	0	0	0	0	0	0	0	0	393	21-30	293
22:00	5	7	61	138	63	7	1	0	0	0	0	0	0	0	282	26-35	201
23:00	0	7	28	86	44	3	0	0	0	0	0	0	0	0	168	26-35	130
Total	702	1702	5693	7947	2095	172	24	7	0	0	0	0	1	0	18343		
Percent	3.8%	9.3%	31.0%	43.3%	11.4%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	11:00	11:00	09:00	07:00	05:00	00:00							11:00		
Vol.	41	104	359	564	179	17	2	1							1191		
PM Peak	16:00	17:00	15:00	17:00	14:00	20:00	18:00	17:00					18:00		17:00		
Vol.	118	215	606	630	130	17	8	2					1		1591		

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
09/30/14	4	2	12	18	18	2	0	0	0	0	0	0	0	0	56	26-35	36
01:00	0	0	3	20	15	8	1	0	0	0	0	0	0	0	47	26-35	35
02:00	0	0	5	9	5	2	0	0	0	0	0	0	0	0	21	26-35	14
03:00	2	2	5	13	4	0	0	0	0	0	0	0	0	0	26	21-30	18
04:00	4	7	6	18	14	2	0	**1**	0	0	0	0	0	0	52	26-35	32
05:00	3	8	14	55	24	3	0	0	0	0	0	0	0	0	107	26-35	79
06:00	2	21	75	168	61	4	0	0	0	0	0	0	0	0	331	21-30	243
07:00	**36**	73	262	451	114	3	1	0	0	0	0	0	0	0	940	21-30	715
08:00	36	**106**	**373**	499	98	10	0	0	0	0	0	0	0	0	1122	21-30	874
09:00	25	60	288	518	126	7	0	1	0	**1**	0	0	0	0	1026	21-30	807
10:00	22	68	318	543	118	12	1	0	0	0	0	0	0	0	1082	21-30	862
11:00	18	77	352	**603**	**152**	**14**	**2**	0	0	0	0	0	0	0	**1218**	21-30	956
12 PM	47	119	427	636	159	**15**	2	0	0	0	0	0	0	0	1405	21-30	1065
13:00	48	136	400	631	130	10	0	0	0	0	0	0	0	0	1355	21-30	1033
14:00	50	108	397	599	**173**	6	0	0	0	0	0	0	0	0	1333	21-30	998
15:00	**131**	175	510	563	107	8	0	0	0	0	0	0	0	0	1494	21-30	1079
16:00	106	**205**	427	593	147	12	2	0	0	0	0	0	0	0	1492	21-30	1025
17:00	85	187	**537**	**685**	137	5	1	0	0	0	0	0	0	0	**1637**	21-30	1226
18:00	124	197	490	572	141	11	1	0	0	0	0	0	0	0	1536	21-30	1067
19:00	23	59	304	544	129	10	**6**	0	**2**	0	0	0	0	0	1077	21-30	849
20:00	19	45	160	364	120	5	0	0	0	0	0	0	0	0	713	21-30	525
21:00	9	25	138	267	85	6	0	0	0	0	0	0	0	0	530	21-30	405
22:00	8	24	71	203	68	10	1	0	0	0	0	0	0	0	385	21-30	274
23:00	1	10	53	88	56	4	0	0	0	0	0	0	0	0	212	26-35	144
Total	803	1714	5627	8660	2201	169	18	2	2	1	0	0	0	0	19197		
Percent	4.2%	8.9%	29.3%	45.1%	11.5%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	08:00	08:00	11:00	11:00	11:00	11:00	04:00		09:00					11:00		
Vol.	36	106	373	603	152	14	2	1		1					1218		
PM Peak	15:00	16:00	17:00	17:00	14:00	12:00	19:00		19:00						17:00		
Vol.	131	205	537	685	173	15	6		2						1637		

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
10/01/14	0	1	10	32	16	3	0	0	0	0	0	0	0	0	62	26-35	48
01:00	2	2	12	17	15	1	1	0	0	0	0	0	0	0	50	26-35	32
02:00	0	5	10	17	9	2	0	0	0	0	0	0	0	0	43	21-30	27
03:00	2	1	6	14	3	0	1	0	0	0	0	0	0	0	27	21-30	20
04:00	3	6	10	13	12	2	0	0	0	0	0	0	0	0	46	26-35	25
05:00	2	10	17	52	31	11	0	0	0	0	0	0	0	0	123	26-35	83
06:00	5	9	72	156	79	11	0	0	0	0	0	0	0	0	332	26-35	235
07:00	43	71	308	514	106	6	**3**	0	0	0	0	0	0	0	1051	21-30	824
08:00	28	77	339	**545**	**176**	**16**	2	0	0	0	0	0	0	0	1183	21-30	885
09:00	26	47	254	524	166	15	0	0	0	0	0	0	0	0	1032	21-30	779
10:00	**51**	**127**	449	415	100	6	1	0	0	0	0	0	0	0	1149	21-30	866
11:00	36	123	**509**	521	99	7	0	0	0	0	0	0	0	0	**1295**	21-30	1032
12 PM	63	158	**511**	568	131	**11**	0	0	0	0	0	0	0	0	1442	21-30	1082
13:00	63	119	392	621	116	7	**3**	0	0	0	0	0	0	0	1321	21-30	1016
14:00	69	105	428	553	133	9	0	0	0	0	0	0	0	0	1297	21-30	984
15:00	**116**	163	446	581	129	7	0	0	0	0	0	0	0	0	1442	21-30	1032
16:00	107	**183**	461	554	139	11	1	0	0	0	0	0	0	0	1456	21-30	1020
17:00	88	171	491	**737**	**182**	10	1	0	0	0	0	0	0	0	**1680**	21-30	1232
18:00	50	117	430	690	172	6	0	0	0	0	0	0	0	0	1465	21-30	1122
19:00	75	134	352	340	92	10	0	0	0	0	0	**1**	0	0	1004	21-30	695
20:00	22	41	210	377	120	6	1	0	0	0	0	0	0	0	777	21-30	588
21:00	14	19	153	303	71	6	1	0	0	0	0	0	0	0	567	21-30	457
22:00	4	10	83	143	47	5	0	0	0	0	0	0	0	0	292	21-30	226
23:00	3	10	54	114	40	4	2	0	0	0	0	0	0	0	227	21-30	168
Total	872	1709	6007	8401	2184	172	17	0	0	0	0	1	0	0	19363		
Percent	4.5%	8.8%	31.0%	43.4%	11.3%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	10:00	11:00	08:00	08:00	08:00	07:00								11:00		
Vol.	51	127	509	545	176	16	3								1295		
PM Peak	15:00	16:00	12:00	17:00	17:00	12:00	13:00					19:00			17:00		
Vol.	116	183	511	737	182	11	3					1			1680		

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
10/02/14	0	5	24	76	27	13	0	**2**	0	0	0	0	0	0	147	26-35	103
01:00	2	0	8	25	16	2	0	0	0	0	0	0	0	0	53	26-35	41
02:00	3	0	6	14	15	0	1	1	0	0	0	0	0	0	40	26-35	29
03:00	0	2	10	16	4	2	0	1	0	0	0	0	0	0	35	21-30	26
04:00	0	4	9	30	9	3	0	0	0	0	0	0	0	0	55	26-35	39
05:00	0	7	16	61	29	5	1	0	0	0	0	0	0	0	119	26-35	90
06:00	5	14	65	175	65	4	0	0	0	0	0	0	0	0	328	26-35	240
07:00	25	100	284	456	143	4	1	0	0	0	0	0	0	0	1013	21-30	741
08:00	**46**	**124**	314	524	143	**16**	1	1	0	0	0	0	0	0	1169	21-30	840
09:00	26	65	265	499	139	12	**3**	1	0	0	0	0	0	0	1010	21-30	765
10:00	19	69	285	**534**	**146**	11	2	0	0	0	0	0	0	0	1066	21-30	820
11:00	37	105	**419**	523	109	13	0	0	0	0	0	**1**	0	0	**1207**	21-30	944
12 PM	120	173	379	449	119	7	2	0	**1**	0	0	0	0	0	1250	21-30	833
13:00	58	119	458	512	128	**16**	4	1	0	0	0	0	0	0	1296	21-30	973
14:00	56	121	446	526	113	10	0	1	0	0	0	0	0	0	1273	21-30	975
15:00	**127**	193	509	471	117	16	6	1	0	0	0	0	0	0	1440	21-30	985
16:00	110	**203**	449	611	148	8	0	1	0	0	0	0	0	0	1530	21-30	1065
17:00	103	182	**514**	631	118	9	**7**	0	0	0	0	0	0	0	**1564**	21-30	1150
18:00	90	132	459	**649**	155	11	2	0	0	0	0	0	0	0	1498	21-30	1112
19:00	25	61	240	478	**174**	10	3	**2**	0	0	0	0	0	0	993	21-30	719
20:00	19	43	196	318	97	7	0	1	0	0	0	0	0	0	681	21-30	515
21:00	2	22	131	249	104	8	0	0	0	0	0	0	0	0	516	21-30	380
22:00	6	15	91	183	61	7	0	0	0	0	0	0	0	0	363	21-30	274
23:00	8	13	96	196	67	5	0	0	0	0	0	0	0	0	385	21-30	292
Total	887	1772	5673	8206	2246	199	33	13	1	0	0	1	0	0	19031		
Percent	4.7%	9.3%	29.8%	43.1%	11.8%	1.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	11:00	10:00	10:00	08:00	09:00	00:00				11:00			11:00		
Vol.	46	124	419	534	146	16	3	2				1			1207		
PM Peak	15:00	16:00	17:00	18:00	19:00	13:00	17:00	19:00	12:00						17:00		
Vol.	127	203	514	649	174	16	7	2	1						1564		

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
10/03/14	0	3	33	52	23	1	0	0	0	0	0	0	0	0	112	21-30	85
01:00	4	3	11	35	11	4	0	0	0	0	0	0	0	0	68	26-35	46
02:00	4	0	6	19	7	2	0	0	0	0	0	0	0	0	38	26-35	26
03:00	7	2	6	19	4	0	0	0	0	0	0	0	0	0	38	21-30	25
04:00	8	3	11	23	13	3	1	0	0	0	0	0	0	0	62	26-35	36
05:00	2	8	17	72	27	4	0	0	0	0	0	0	0	0	130	26-35	99
06:00	8	15	73	120	58	7	2	0	0	0	0	0	0	0	283	21-30	193
07:00	20	65	268	437	113	13	1	0	0	0	0	0	0	0	917	21-30	706
08:00	30	99	340	552	**156**	9	**4**	0	0	**1**	0	0	0	0	1191	21-30	893
09:00	27	71	247	491	142	11	4	**1**	0	0	0	0	0	0	994	21-30	739
10:00	**58**	97	265	465	147	**16**	0	0	0	1	0	0	0	0	1049	21-30	733
11:00	35	**111**	**381**	**578**	137	11	2	1	0	0	0	0	0	0	**1256**	21-30	961
12 PM	81	103	427	651	**153**	10	**9**	**4**	0	0	0	0	0	0	1438	21-30	1082
13:00	62	159	460	648	148	14	1	1	**1**	0	0	0	0	0	1494	21-30	1111
14:00	59	107	380	621	151	**26**	0	0	0	0	0	0	0	0	1344	21-30	1004
15:00	**148**	**223**	517	492	94	15	0	1	0	0	0	0	0	0	1490	21-30	1015
16:00	105	213	477	620	147	14	7	0	0	0	0	0	0	0	1583	21-30	1102
17:00	79	156	581	**656**	126	9	4	1	0	0	0	0	0	0	**1612**	21-30	1241
18:00	71	207	**608**	533	122	8	2	0	0	0	0	0	0	0	1551	21-30	1144
19:00	25	95	369	495	111	6	0	0	0	0	0	0	0	0	1101	21-30	865
20:00	11	47	207	384	98	2	1	0	0	0	0	0	0	0	750	21-30	592
21:00	7	33	176	253	68	6	1	0	0	0	0	0	0	0	544	21-30	429
22:00	2	46	211	341	70	12	0	0	0	0	0	0	0	0	682	21-30	552
23:00	5	16	83	198	68	4	0	1	0	0	0	0	0	0	375	21-30	281
Total	858	1882	6154	8755	2194	207	39	10	1	2	0	0	0	0	20102		
Percent	4.3%	9.4%	30.6%	43.6%	10.9%	1.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	11:00	11:00	11:00	08:00	10:00	08:00	09:00		08:00					11:00		
Vol.	58	111	381	578	156	16	4	1		1					1256		
PM Peak	15:00	15:00	18:00	17:00	12:00	14:00	12:00	12:00	13:00						17:00		
Vol.	148	223	608	656	153	26	9	4	1						1612		

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
10/04/14	1	5	25	56	33	5	0	**1**	0	0	0	0	0	0	126	26-35	89
01:00	2	2	14	38	22	2	0	0	0	0	0	0	0	0	80	26-35	60
02:00	0	2	19	31	14	3	1	1	0	0	0	0	0	0	71	21-30	50
03:00	2	1	13	16	6	2	0	0	0	0	0	0	0	0	40	21-30	29
04:00	1	1	6	10	7	2	1	0	0	0	0	0	0	0	28	26-35	17
05:00	3	4	6	24	11	3	0	0	0	0	0	0	0	0	51	26-35	35
06:00	2	5	26	59	37	1	0	0	0	0	0	0	0	0	130	26-35	96
07:00	7	13	46	133	53	4	0	0	0	0	0	0	0	0	256	26-35	186
08:00	10	21	77	220	128	**22**	1	1	0	0	0	0	0	0	480	26-35	348
09:00	8	34	129	357	153	13	1	0	0	0	0	0	0	0	695	26-35	510
10:00	16	37	232	475	154	11	**2**	0	0	0	0	0	0	0	927	21-30	708
11:00	**21**	**74**	**305**	**548**	**163**	9	0	1	0	0	0	0	0	0	**1121**	21-30	854
12 PM	**34**	87	**360**	**567**	168	12	0	0	0	0	0	0	0	0	**1228**	21-30	929
13:00	31	84	338	567	156	12	0	0	0	0	0	0	0	0	1188	21-30	906
14:00	25	**93**	288	493	144	13	0	0	0	0	0	0	0	0	1056	21-30	782
15:00	29	72	261	476	**187**	**22**	2	0	0	0	0	0	0	0	1049	21-30	738
16:00	24	65	269	505	169	20	3	0	**1**	0	0	0	0	0	1056	21-30	775
17:00	17	62	184	485	174	6	0	0	0	0	0	0	0	0	928	21-30	670
18:00	15	40	210	355	170	12	**5**	**2**	0	0	0	0	0	0	809	21-30	566
19:00	20	39	161	328	129	8	1	0	0	0	0	0	0	0	686	21-30	490
20:00	10	37	177	255	83	3	2	0	0	0	0	0	0	0	567	21-30	432
21:00	1	41	102	195	62	3	1	0	0	0	0	0	0	0	405	21-30	297
22:00	5	24	135	180	43	3	2	0	0	0	0	0	0	0	392	21-30	315
23:00	7	20	115	236	65	5	0	0	0	0	0	0	0	0	448	21-30	351
Total	291	863	3498	6609	2331	196	22	6	1	0	0	0	0	0	13817		
Percent	2.1%	6.2%	25.3%	47.8%	16.9%	1.4%	0.2%	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	08:00	10:00	00:00							11:00		
Vol.	21	74	305	548	163	22	2	1							1121		
PM Peak	12:00	14:00	12:00	12:00	15:00	15:00	18:00	18:00	16:00						12:00		
Vol.	34	93	360	567	187	22	5	2	1						1228		

Eighth St
300 Block, Between Lake Ave and Boardman Ave
Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
10/05/14	8	2	28	68	34	7	0	1	**1**	0	0	0	0	0	149	26-35	102
01:00	6	3	19	45	22	1	0	0	0	0	0	0	0	0	96	26-35	67
02:00	2	2	11	26	13	5	1	0	0	0	0	0	0	0	60	26-35	39
03:00	0	2	6	19	3	1	2	0	0	0	0	0	0	0	33	21-30	25
04:00	2	1	4	8	4	2	0	0	0	0	0	0	0	0	21	26-35	12
05:00	0	3	5	9	7	2	0	0	0	0	0	0	0	0	26	25-34	16
06:00	2	3	10	36	18	6	0	0	0	0	0	0	0	0	75	26-35	54
07:00	1	6	32	92	30	5	1	0	0	0	0	0	0	0	167	21-30	124
08:00	4	14	52	156	52	**15**	1	1	0	0	0	0	0	0	295	26-35	208
09:00	6	24	79	197	95	11	1	1	0	0	0	0	0	0	414	26-35	292
10:00	8	23	143	**348**	109	13	3	0	0	0	0	0	0	0	647	21-30	491
11:00	**21**	**35**	**178**	347	**126**	11	**4**	**2**	0	0	0	0	0	0	**724**	21-30	526
12 PM	**19**	56	214	**450**	144	18	1	0	0	0	0	0	0	0	**902**	21-30	665
13:00	15	**68**	**220**	387	150	7	0	0	0	0	0	0	0	0	847	21-30	608
14:00	14	41	177	398	163	15	**2**	**1**	0	0	0	0	0	0	811	21-30	576
15:00	13	41	160	367	**169**	**19**	0	0	0	0	0	0	0	0	769	26-35	537
16:00	10	43	130	358	166	8	1	0	0	0	0	0	0	0	716	26-35	524
17:00	8	35	161	323	144	16	0	0	0	0	0	0	0	0	687	21-30	484
18:00	13	42	151	335	128	12	0	1	0	0	0	0	0	0	682	21-30	487
19:00	4	26	97	264	95	11	1	0	0	0	0	0	0	0	498	21-30	361
20:00	10	15	79	203	54	8	1	0	0	0	0	0	0	0	370	21-30	282
21:00	8	10	59	131	51	6	1	0	0	0	0	0	0	0	266	21-30	190
22:00	0	4	36	102	41	2	0	1	0	0	0	0	0	0	186	26-35	143
23:00	2	2	22	76	38	4	0	0	0	0	0	0	0	0	144	26-35	114
Total	176	501	2073	4745	1856	205	20	8	1	0	0	0	0	0	9585		
Percent	1.8%	5.2%	21.6%	49.5%	19.4%	2.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	11:00	10:00	11:00	08:00	11:00	11:00	00:00						11:00		
Vol.	21	35	178	348	126	15	4	2	1						724		
PM Peak	12:00	13:00	13:00	12:00	15:00	15:00	14:00	14:00							12:00		
Vol.	19	68	220	450	169	19	2	1							902		

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
10/06/14	0	2	9	30	14	4	0	0	0	0	0	0	0	0	59	26-35	44
01:00	0	1	4	11	11	1	0	0	0	0	0	0	0	0	28	26-35	22
02:00	0	0	2	13	5	1	0	0	0	0	0	0	0	0	21	26-35	18
03:00	1	1	6	9	2	2	1	0	0	0	0	0	0	0	22	21-30	15
04:00	2	2	7	15	9	3	0	0	**1**	0	0	0	0	0	39	26-35	24
05:00	0	8	19	67	37	6	0	0	0	0	0	0	0	0	137	26-35	104
06:00	3	18	54	143	63	6	0	0	0	0	0	0	0	0	287	26-35	206
07:00	35	64	248	482	152	12	1	0	0	0	0	0	0	0	994	21-30	732
08:00	**46**	**107**	299	546	162	14	0	0	0	0	0	0	0	0	1174	21-30	847
09:00	20	88	283	481	**198**	12	**2**	0	0	0	0	0	0	0	1084	21-30	765
10:00	27	68	282	537	158	**17**	0	0	0	0	0	0	0	0	1089	21-30	820
11:00	22	80	**408**	**620**	160	11	0	**2**	0	0	0	0	0	0	**1303**	21-30	1029
12 PM	46	101	428	639	130	7	0	0	0	0	0	0	0	0	1351	21-30	1069
13:00	32	97	390	639	136	3	0	0	0	0	0	0	0	0	1297	21-30	1031
14:00	38	124	396	593	160	13	**2**	**1**	0	0	0	0	0	0	1327	21-30	991
15:00	100	**191**	484	581	124	9	0	0	0	0	0	0	0	0	1489	21-30	1069
16:00	79	184	484	669	129	12	1	0	0	0	0	0	0	0	1558	21-30	1157
17:00	**106**	131	**486**	**771**	154	6	2	0	0	0	0	0	0	0	**1656**	21-30	1262
18:00	58	128	400	661	**190**	13	2	0	0	0	0	0	0	0	1452	21-30	1064
19:00	9	51	171	454	177	**15**	2	0	0	0	0	0	0	0	879	26-35	631
20:00	9	36	180	347	97	7	2	0	0	0	0	0	0	0	678	21-30	527
21:00	4	17	88	197	79	3	0	1	0	0	0	0	0	0	389	21-30	285
22:00	4	13	73	169	63	6	1	0	0	0	0	0	0	0	329	21-30	242
23:00	3	5	25	48	32	5	0	0	0	0	0	0	0	0	118	26-35	80
Total	644	1517	5226	8722	2442	188	16	4	1	0	0	0	0	0	18760		
Percent	3.4%	8.1%	27.9%	46.5%	13.0%	1.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	11:00	11:00	09:00	10:00	09:00	11:00	04:00						11:00		
Vol.	46	107	408	620	198	17	2	2	1						1303		
PM Peak	17:00	15:00	17:00	17:00	18:00	19:00	14:00	14:00							17:00		
Vol.	106	191	486	771	190	15	2	1							1656		

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
10/07/14	2	0	10	40	21	4	1	0	0	0	0	0	0	0	78	26-35	61
01:00	0	2	7	18	12	1	0	0	0	0	0	0	0	0	40	26-35	30
02:00	3	1	7	14	6	0	1	0	0	0	0	0	0	0	32	21-30	21
03:00	0	2	6	16	6	0	0	0	0	0	0	0	0	0	30	21-30	22
04:00	5	5	7	21	10	7	0	0	0	0	0	0	0	0	55	26-35	31
05:00	4	7	21	55	37	6	0	1	0	0	0	0	0	0	131	26-35	92
06:00	7	15	60	166	71	2	0	0	0	0	0	0	0	0	321	26-35	237
07:00	35	50	242	494	126	5	0	0	0	0	0	0	0	0	952	21-30	738
08:00	**58**	**115**	363	574	140	9	**3**	**3**	0	0	0	0	0	0	1265	21-30	940
09:00	12	61	278	559	146	8	0	0	0	0	0	0	0	0	1064	21-30	838
10:00	21	64	327	**584**	**166**	**19**	1	0	0	0	0	0	**1**	0	1183	21-30	912
11:00	38	111	**440**	535	135	12	3	0	0	0	0	0	0	0	**1274**	21-30	977
12 PM	54	120	433	631	156	**16**	**3**	**1**	**1**	0	0	0	0	0	1415	21-30	1067
13:00	37	102	500	692	169	7	0	0	0	0	**1**	0	0	0	1508	21-30	1194
14:00	41	122	414	649	146	9	2	0	0	0	0	0	0	0	1383	21-30	1065
15:00	**114**	**227**	**552**	602	88	9	0	0	0	0	0	0	0	0	1592	21-30	1159
16:00	74	186	461	645	142	13	0	0	0	0	0	0	0	0	1521	21-30	1109
17:00	108	186	546	**701**	118	12	0	0	0	0	0	0	0	0	**1671**	21-30	1252
18:00	45	103	388	694	**177**	16	2	0	0	0	0	0	0	0	1425	21-30	1084
19:00	26	55	238	479	135	13	0	0	0	0	0	0	0	0	946	21-30	718
20:00	11	54	208	395	80	9	0	0	0	0	0	0	0	0	757	21-30	604
21:00	6	24	128	213	72	7	0	0	0	0	0	0	0	0	450	21-30	341
22:00	7	19	81	163	55	5	1	0	0	0	0	0	0	0	331	21-30	244
23:00	3	10	59	101	45	5	1	0	0	0	0	0	0	0	224	21-30	160
Total	711	1641	5776	9041	2259	194	18	5	1	0	1	0	1	0	19648		
Percent	3.6%	8.4%	29.4%	46.0%	11.5%	1.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	11:00	10:00	10:00	10:00	08:00	08:00					10:00		11:00		
Vol.	58	115	440	584	166	19	3	3					1		1274		
PM Peak	15:00	15:00	15:00	17:00	18:00	12:00	12:00	12:00	12:00		13:00				17:00		
Vol.	114	227	552	701	177	16	3	1	1		1				1671		

Eighth St

300 Block, Between Lake Ave and Boardman Ave

Post-Striping Speed Study

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 Undefined

Eastbound, Westbound

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	Pace Speed	Number in Pace
10/08/14	1	1	7	27	17	1	2	0	0	0	0	0	0	0	56	26-35	44
01:00	2	0	9	24	13	1	1	0	0	0	0	0	0	0	50	26-35	37
02:00	1	1	2	9	6	3	0	0	0	0	0	0	0	0	22	26-35	15
03:00	0	4	4	12	8	0	0	0	0	0	0	0	0	0	28	26-35	20
04:00	0	3	9	13	11	3	0	**1**	0	0	0	0	0	0	40	26-35	24
05:00	3	7	14	56	41	4	0	0	0	0	0	0	0	0	125	26-35	97
06:00	8	23	79	147	71	8	0	0	0	0	0	0	0	0	336	21-30	226
07:00	27	60	270	527	92	4	**7**	0	0	0	0	0	0	0	987	21-30	798
08:00	**43**	**114**	**357**	**624**	138	11	4	0	0	0	0	0	0	0	**1291**	21-30	983
09:00	28	73	250	498	**177**	**16**	0	0	0	0	0	0	0	0	1042	21-30	749
10:00	36	83	334	579	146	5	0	1	0	0	0	0	0	0	1184	21-30	915
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	149	369	1335	2516	720	56	14	2	0	0	0	0	0	0	5161		
Percent	2.9%	7.1%	25.9%	48.8%	14.0%	1.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	08:00	08:00	09:00	09:00	07:00	04:00							08:00		
Vol.	43	114	357	624	177	16	7	1							1291		
PM Peak Vol.																	
Total	8696	19594	67736	108456	30726	2574	308	64	10	4	3	3	2	1	238177		
Percent	3.7%	8.2%	28.4%	45.5%	12.9%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile :	20 MPH
50th Percentile :	26 MPH
85th Percentile :	29 MPH
95th Percentile :	33 MPH

Stats

10 MPH Pace Speed :	21-30 MPH
Number in Pace :	176595
Percent in Pace :	74.1%
Number of Vehicles > 25 MPH :	142151
Percent of Vehicles > 25 MPH :	59.7%
Mean Speed(Average) :	26 MPH