
Memorandum

The City of Traverse City
Engineering Department



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

FROM: Abhishek Deora, Engineering Aide

DATE: August 11th, 2017

SUBJECT: 8th St (Bridge) Between Boardman & Lake Ave Classification Count

This memo is to formalize City Engineering's initial findings and observations in regard to the class of vehicles traveling on 8th St between Boardman Ave and Lake Ave.

City Engineering performed a 24-hour classification count of 8th St began at 1:51 pm on August 8th, 2017 and ended at 3:40 pm on August 9th, 2017. The data was gathered using a Jamar Traffic Counter which collected traffic data, including vehicle classification, for each lane of traffic (Eastbound and Westbound) using two parallel tubes that are placed on the road and are connected to the device. 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 classification of the vehicles into groups. The report shows how many vehicles were within the specified class during one hour intervals as indicated by the report.

A total of 11,369 vehicles traveled on 8th St during the 24-hour class count. The vehicle class count showed that 2027 vehicles, 16.8 percent, traveling on 8th St during the count were a class 6 (FHA Scheme F) or higher. This means that 16.8 percent of the vehicles traveling on the road have at least three axels (not including buses or class 14).

1804 vehicles, 14.9 percent, fell into class 14 which is for bicycles and unknown vehicles. This number suggests that many people use this section of 8th St as a bicycling route. This number could also be partially due to vehicles parking on the tubes for the traffic counter.

Summary:

- Number of Vehicles: 11,369 vehicles
- Class 6 or Higher: 16.8%
- Class 1 to 5: 68.4%
- Class 14 (Unknown/Bicycles): 14.9%

Encl.: Detailed TraxPro Classification Report

8th St
Btw Boardman Ave and Lake Ave
Count#22

Site Code: 00000000000
Station ID:

Latitude: 0' 0.0000 South

A to B

Start Time	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Class 8	Class 9	Class 10	Class 11	Class 12	Class 13	Class 14	Total
08/08/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	0	126	21	17	5	4	7	15	2	8	0	7	32	86	330
15:00	0	125	27	15	5	1	7	35	1	6	2	8	40	70	342
16:00	2	97	19	20	1	2	10	27	2	6	0	7	37	74	304
17:00	0	102	12	21	3	1	6	22	5	5	1	6	38	68	290
18:00	4	226	35	7	1	1	4	25	0	5	0	4	14	62	388
19:00	1	190	28	7	2	1	2	9	0	2	0	1	7	51	301
20:00	1	197	20	5	3	0	1	6	0	1	0	0	2	27	263
21:00	1	171	19	4	2	0	0	5	0	3	0	1	1	24	231
22:00	1	107	10	0	1	0	0	2	0	0	0	0	0	6	127
23:00	0	75	6	1	0	0	0	1	0	0	0	0	0	1	84
Total	10	1416	197	97	23	10	37	147	10	36	3	34	171	469	2660
Percent	0.4%	53.2%	7.4%	3.6%	0.9%	0.4%	1.4%	5.5%	0.4%	1.4%	0.1%	1.3%	6.4%	17.6%	

AM
Peak
Vol.

PM Peak Vol.	18:00	18:00	18:00	17:00	14:00	14:00	16:00	15:00	17:00	14:00	15:00	15:00	15:00	14:00	18:00
Vol.	4	226	35	21	5	4	10	35	5	8	2	8	40	86	388

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A to B

Start Time	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Class 8	Class 9	Class 10	Class 11	Class 12	Class 13	Class 14	Total
08/09/17	1	32	5	0	1	0	0	0	0	0	0	0	0	2	41
01:00	0	22	5	0	0	0	0	0	0	0	0	0	0	0	27
02:00	0	18	4	0	0	0	0	0	0	0	0	0	0	2	24
03:00	0	9	5	0	0	0	0	0	0	0	0	0	0	0	14
04:00	0	18	4	0	0	0	1	0	0	0	0	0	0	1	24
05:00	0	34	12	0	0	0	1	0	0	0	0	0	0	0	47
06:00	1	86	30	0	4	1	0	4	0	0	0	0	1	8	135
07:00	2	178	43	4	6	1	4	11	0	5	2	2	8	41	307
08:00	4	162	45	17	10	1	8	31	1	6	3	6	15	72	381
09:00	1	171	29	13	5	2	3	21	3	6	0	4	28	73	359
10:00	0	122	21	13	9	2	6	20	1	5	0	4	33	73	309
11:00	1	121	25	19	2	3	13	24	0	8	0	3	31	63	313
12 PM	3	126	24	29	1	3	16	27	4	16	1	3	49	93	395
13:00	0	141	20	18	4	1	8	19	2	4	1	4	33	65	320
14:00	0	133	25	16	7	2	11	20	1	8	2	3	40	47	315
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	13	1373	297	129	49	16	70	178	12	58	9	29	238	540	3011
Percent	0.4%	45.6%	9.9%	4.3%	1.6%	0.5%	2.3%	5.9%	0.4%	1.9%	0.3%	1.0%	7.9%	17.9%	
AM Peak Vol.	08:00	07:00	08:00	11:00	08:00	11:00	11:00	08:00	09:00	11:00	08:00	08:00	10:00	09:00	08:00
PM Peak Vol.	12:00	13:00	14:00	12:00	14:00	12:00	12:00	12:00	12:00	12:00	14:00	13:00	12:00	12:00	12:00
Grand Total	23	2789	494	226	72	26	107	325	22	94	12	63	409	1009	5671
Percent	0.4%	49.2%	8.7%	4.0%	1.3%	0.5%	1.9%	5.7%	0.4%	1.7%	0.2%	1.1%	7.2%	17.8%	

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08/08/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	6	156	71	14	20	1	6	39	0	5	0	0	17	66	401
15:00	5	117	61	10	15	0	2	40	0	11	3	3	15	47	329
16:00	5	124	48	12	11	1	1	36	1	6	0	2	15	49	311
17:00	5	153	50	12	19	2	0	43	0	10	0	1	19	68	382
18:00	3	208	102	6	26	0	1	32	0	8	1	2	5	50	444
19:00	2	214	81	4	18	0	1	25	0	4	0	0	1	13	363
20:00	3	156	52	3	13	0	0	13	0	2	0	0	0	24	266
21:00	2	130	36	1	12	0	1	10	0	2	0	0	0	16	210
22:00	2	87	33	1	2	0	0	1	0	0	0	0	0	8	134
23:00	0	39	23	1	2	0	0	2	0	0	0	0	0	4	71
Total	33	1384	557	64	138	4	12	241	1	48	4	8	72	345	2911
Percent	1.1%	47.5%	19.1%	2.2%	4.7%	0.1%	0.4%	8.3%	0.0%	1.6%	0.1%	0.3%	2.5%	11.9%	

AM Peak Vol.	14:00	19:00	18:00	14:00	18:00	17:00	14:00	17:00	16:00	15:00	15:00	15:00	17:00	17:00	18:00
PM Peak Vol.	6	214	102	14	26	2	6	43	1	11	3	3	19	68	444

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B to A

Start Time	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Class 8	Class 9	Class 10	Class 11	Class 12	Class 13	Class 14	Total
08/09/17	0	16	19	0	4	0	0	0	0	0	0	0	0	0	39
01:00	0	16	9	1	0	0	0	0	0	0	0	0	0	0	26
02:00	1	9	10	0	1	0	0	0	0	0	0	0	0	0	21
03:00	0	7	10	1	1	0	0	0	0	0	0	0	0	0	19
04:00	0	13	5	1	3	0	0	0	0	0	0	0	0	0	22
05:00	0	32	20	0	1	2	0	1	0	0	0	0	0	0	56
06:00	3	94	50	3	19	2	1	7	0	0	0	0	0	5	184
07:00	4	146	86	4	30	2	0	38	0	7	0	1	8	43	369
08:00	2	186	112	11	33	0	1	42	0	7	0	4	8	38	444
09:00	2	145	78	11	25	0	2	39	4	14	0	3	14	63	400
10:00	2	134	74	12	20	0	3	39	1	9	1	0	13	50	358
11:00	4	170	65	10	20	1	3	44	2	9	0	3	8	55	394
12 PM	5	139	60	17	22	2	1	55	1	4	0	4	12	75	397
13:00	6	170	64	14	9	1	1	46	0	9	0	3	19	60	402
14:00	7	130	56	6	20	2	1	34	2	13	3	5	18	61	358
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	36	1407	718	91	208	12	13	345	10	72	4	23	100	450	3489
Percent	1.0%	40.3%	20.6%	2.6%	6.0%	0.3%	0.4%	9.9%	0.3%	2.1%	0.1%	0.7%	2.9%	12.9%	
AM Peak Vol.	07:00	08:00	08:00	10:00	08:00	05:00	10:00	11:00	09:00	09:00	10:00	08:00	09:00	09:00	08:00
PM Peak Vol.	14:00	13:00	13:00	12:00	12:00	12:00	12:00	12:00	14:00	14:00	14:00	14:00	13:00	12:00	13:00
Grand Total Percent	69	2791	1275	155	346	16	25	586	11	120	8	31	172	795	6400
	1.1%	43.6%	19.9%	2.4%	5.4%	0.3%	0.4%	9.2%	0.2%	1.9%	0.1%	0.5%	2.7%	12.4%	

8th St
Btw Boardman Ave and Lake Ave
Count#22

Site Code: 00000000000
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

Start Time	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Class 8	Class 9	Class 10	Class 11	Class 12	Class 13	Class 14	Total
08/08/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	6	282	92	31	25	5	13	54	2	13	0	7	49	152	731
15:00	5	242	88	25	20	1	9	75	1	17	5	11	55	117	671
16:00	7	221	67	32	12	3	11	63	3	12	0	9	52	123	615
17:00	5	255	62	33	22	3	6	65	5	15	1	7	57	136	672
18:00	7	434	137	13	27	1	5	57	0	13	1	6	19	112	832
19:00	3	404	109	11	20	1	3	34	0	6	0	1	8	64	664
20:00	4	353	72	8	16	0	1	19	0	3	0	0	2	51	529
21:00	3	301	55	5	14	0	1	15	0	5	0	1	1	40	441
22:00	3	194	43	1	3	0	0	3	0	0	0	0	0	14	261
23:00	0	114	29	2	2	0	0	3	0	0	0	0	0	5	155
Total	43	2800	754	161	161	14	49	388	11	84	7	42	243	814	5571
Percent	0.8%	50.3%	13.5%	2.9%	2.9%	0.3%	0.9%	7.0%	0.2%	1.5%	0.1%	0.8%	4.4%	14.6%	

AM Peak Vol.															
PM Peak Vol.	16:00	18:00	18:00	17:00	18:00	14:00	14:00	15:00	17:00	15:00	15:00	15:00	17:00	14:00	18:00
	7	434	137	33	27	5	13	75	5	17	5	11	57	152	832

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A to B, B to A

Start Time	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Class 8	Class 9	Class 10	Class 11	Class 12	Class 13	Class 14	Total
08/09/17	1	48	24	0	5	0	0	0	0	0	0	0	0	2	80
01:00	0	38	14	1	0	0	0	0	0	0	0	0	0	0	53
02:00	1	27	14	0	1	0	0	0	0	0	0	0	0	2	45
03:00	0	16	15	1	1	0	0	0	0	0	0	0	0	0	33
04:00	0	31	9	1	3	0	1	0	0	0	0	0	0	1	46
05:00	0	66	32	0	1	2	0	2	0	0	0	0	0	0	103
06:00	4	180	80	3	23	3	1	11	0	0	0	0	1	13	319
07:00	6	324	129	8	36	3	4	49	0	12	2	3	16	84	676
08:00	6	348	157	28	43	1	9	73	1	13	3	10	23	110	825
09:00	3	316	107	24	30	2	5	60	7	20	0	7	42	136	759
10:00	2	256	95	25	29	2	9	59	2	14	1	4	46	123	667
11:00	5	291	90	29	22	4	16	68	2	17	0	6	39	118	707
12 PM	8	265	84	46	23	5	17	82	5	20	1	7	61	168	792
13:00	6	311	84	32	13	2	9	65	2	13	1	7	52	125	722
14:00	7	263	81	22	27	4	12	54	3	21	5	8	58	108	673
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	49	2780	1015	220	257	28	83	523	22	130	13	52	338	990	6500
Percent	0.8%	42.8%	15.6%	3.4%	4.0%	0.4%	1.3%	8.0%	0.3%	2.0%	0.2%	0.8%	5.2%	15.2%	
AM Peak Vol.	07:00	08:00	08:00	11:00	08:00	11:00	11:00	08:00	09:00	09:00	08:00	08:00	10:00	09:00	08:00
PM Peak Vol.	12:00	13:00	12:00	12:00	14:00	12:00	12:00	12:00	12:00	14:00	14:00	14:00	12:00	12:00	12:00
Grand Total Percent	92	5580	1769	381	418	42	132	911	33	214	20	94	581	1804	12071
	0.8%	46.2%	14.7%	3.2%	3.5%	0.3%	1.1%	7.5%	0.3%	1.8%	0.2%	0.8%	4.8%	14.9%	

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Start Time	07-Aug-17 Mon	08-Aug-17 Tue	09-Aug-17 Wed	10-Aug-17 Thu	11-Aug-17 Fri	Weekday Average	12-Aug-17 Sat	13-Aug-17 Sun
12:00 AM	*	*	80	*	*	80	*	*
01:00	*	*	53	*	*	53	*	*
02:00	*	*	45	*	*	45	*	*
03:00	*	*	33	*	*	33	*	*
04:00	*	*	46	*	*	46	*	*
05:00	*	*	103	*	*	103	*	*
06:00	*	*	319	*	*	319	*	*
07:00	*	*	676	*	*	676	*	*
08:00	*	*	825	*	*	825	*	*
09:00	*	*	759	*	*	759	*	*
10:00	*	*	667	*	*	667	*	*
11:00	*	*	707	*	*	707	*	*
12:00 PM	*	*	792	*	*	792	*	*
01:00	*	*	722	*	*	722	*	*
02:00	*	731	673	*	*	702	*	*
03:00	*	671	*	*	*	671	*	*
04:00	*	615	*	*	*	615	*	*
05:00	*	672	*	*	*	672	*	*
06:00	*	832	*	*	*	832	*	*
07:00	*	664	*	*	*	664	*	*
08:00	*	529	*	*	*	529	*	*
09:00	*	441	*	*	*	441	*	*
10:00	*	261	*	*	*	261	*	*
11:00	*	155	*	*	*	155	*	*
Total	0	5571	6500	0	0		0	0
Percentage	0.0%	49.0%	57.2%	0.0%	0.0%		0.0%	0.0%
AM Peak	-	-	08:00	-	-	-	-	-
Vol.	-	-	825	-	-	-	-	-
PM Peak	-	18:00	12:00	-	-	-	-	-
Vol.	-	832	792	-	-	-	-	-
Total		5571	6500					

Bougey St
Btw West Lane and East Lane
Speed

Site Code: 00000000000
Station ID:

Latitude: 0' 0.0000 South

A to B

Start Time	0	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
	15	20	25	30	35	40	45	50	55	60	65	70	75	9999			
08/08/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	99	45	51	68	22	2	1	0	2	2	1	2	3	32	330	21-30	122
15:00	86	58	89	53	18	3	5	1	1	1	2	2	0	23	342	16-25	150
16:00	73	45	76	46	15	1	4	5	2	2	1	2	1	31	304	21-30	124
17:00	78	48	55	36	20	1	6	2	1	2	1	4	1	35	290	16-25	105
18:00	77	51	55	119	51	8	2	1	2	1	0	1	0	20	388	21-30	176
19:00	52	47	47	86	47	1	0	1	0	0	0	1	3	16	301	21-30	135
20:00	39	33	57	79	41	1	1	1	0	1	0	1	0	9	263	21-30	137
21:00	35	35	41	80	24	2	1	1	0	0	1	1	0	10	231	21-30	122
22:00	11	14	27	55	17	0	0	0	0	0	0	0	0	3	127	21-30	82
23:00	4	12	15	39	12	1	0	1	0	0	0	0	0	0	84	21-30	54
Total	554	388	513	661	267	20	20	13	8	9	6	14	8	179	2660		
Percent	20.8%	14.6%	19.3%	24.8%	10.0%	0.8%	0.8%	0.5%	0.3%	0.3%	0.2%	0.5%	0.3%	6.7%			
AM Peak Vol.																	
PM Peak Vol.	14:00	15:00	15:00	18:00	18:00	18:00	17:00	16:00	14:00	14:00	15:00	17:00	14:00	17:00	18:00		
	99	58	89	119	51	8	6	5	2	2	2	4	3	35	388		

Bougey St
Btw West Lane and East Lane
Speed

Site Code: 00000000000
Station ID:

Latitude: 0' 0.0000 South

A to B

Start Time	0	16	21	26	31	36	41	46	51	56	61	66	71	76	9999	Total	Pace Speed	Number in Pace
08/09/17	0	1	8	21	6	3	1	0	0	0	0	0	0	0	1	41	21-30	29
01:00	0	3	4	11	8	1	0	0	0	0	0	0	0	0	0	27	26-35	19
02:00	0	1	6	8	6	2	0	1	0	0	0	0	0	0	0	24	21-30	14
03:00	0	2	1	7	3	1	0	0	0	0	0	0	0	0	0	14	25-34	10
04:00	0	1	5	12	5	1	0	0	0	0	0	0	0	0	0	24	21-30	17
05:00	0	1	6	31	8	1	0	0	0	0	0	0	0	0	0	47	25-34	39
06:00	11	23	20	47	26	3	0	1	0	0	0	0	0	0	4	135	26-35	73
07:00	66	36	52	76	61	6	1	0	1	1	0	0	1	6	307	26-35	139	
08:00	90	40	52	123	28	12	1	3	3	2	1	0	2	24	381	21-30	178	
09:00	81	52	68	89	30	3	4	0	1	2	2	0	2	25	359	21-30	159	
10:00	87	51	52	51	28	4	1	2	1	3	2	3	0	24	309	21-30	105	
11:00	77	61	55	59	18	2	1	3	1	0	2	1	2	31	313	16-25	118	
12 PM	104	72	85	46	18	5	4	3	1	1	4	2	0	50	395	16-25	160	
13:00	83	33	74	63	23	4	2	4	0	2	5	2	1	24	320	21-30	139	
14:00	87	55	54	61	24	2	3	4	1	2	3	0	2	17	315	21-30	117	
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	686	432	542	705	292	50	18	21	9	13	19	8	10	206	3011			
Percent	22.8%	14.3%	18.0%	23.4%	9.7%	1.7%	0.6%	0.7%	0.3%	0.4%	0.6%	0.3%	0.3%	6.8%				
AM Peak	08:00	11:00	09:00	08:00	07:00	08:00	09:00	08:00	08:00	10:00	09:00	10:00	08:00	11:00	08:00			
Vol.	90	61	68	123	61	12	4	3	3	3	2	3	2	31	381			
PM Peak	12:00	12:00	12:00	13:00	14:00	12:00	12:00	13:00	12:00	13:00	13:00	12:00	14:00	12:00	12:00			
Vol.	104	72	85	63	24	5	4	4	1	2	5	2	2	50	395			
Total	1240	820	1055	1366	559	70	38	34	17	22	25	22	18	385	5671			
Percent	21.9%	14.5%	18.6%	24.1%	9.9%	1.2%	0.7%	0.6%	0.3%	0.4%	0.4%	0.4%	0.3%	6.8%				

15th Percentile : 10 MPH
50th Percentile : 22 MPH
85th Percentile : 30 MPH
95th Percentile : 34 MPH

Stats
10 MPH Pace Speed : 21-30 MPH
Number in Pace : 2457
Percent in Pace : 43.3%
Number of Vehicles > 25 MPH : 2556
Percent of Vehicles > 25 MPH : 45.1%
Mean Speed(Average) : 23 MPH

Bougey St
Btw West Lane and East Lane
Speed

Site Code: 00000000000
Station ID:

Latitude: 0' 0.0000 South

B to A

Start Time	0	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
08/08/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	36	4	34	180	88	13	5	0	0	2	1	4	3	31	401	26-35	270
15:00	27	5	58	112	81	12	3	2	1	1	2	2	1	22	329	26-35	194
16:00	29	5	61	112	61	6	5	4	1	2	2	4	3	16	311	26-35	174
17:00	32	5	61	146	69	19	3	1	3	1	5	5	3	29	382	26-35	216
18:00	26	0	32	198	128	25	10	2	0	2	3	0	1	17	444	26-35	327
19:00	7	1	27	173	104	35	9	0	0	0	1	1	0	5	363	26-35	277
20:00	11	1	32	113	73	24	2	0	1	2	0	0	1	6	266	26-35	186
21:00	9	4	42	98	42	10	3	0	0	0	0	0	0	2	210	26-35	140
22:00	4	1	12	63	39	8	2	0	0	0	0	0	0	5	134	26-35	102
23:00	0	1	9	36	17	3	1	1	0	1	0	0	1	1	71	26-35	53
Total	181	27	368	1231	702	155	43	10	6	11	14	16	13	134	2911		
Percent	6.2%	0.9%	12.6%	42.3%	24.1%	5.3%	1.5%	0.3%	0.2%	0.4%	0.5%	0.5%	0.4%	4.6%			
AM Peak Vol.																	
PM Peak Vol.	14:00	15:00	16:00	18:00	18:00	19:00	18:00	16:00	17:00	14:00	17:00	17:00	14:00	14:00	18:00		
	36	5	61	198	128	35	10	4	3	2	5	5	3	31	444		

Bougey St
Btw West Lane and East Lane
Speed

Site Code: 00000000000
Station ID:

Latitude: 0' 0.0000 South

B to A

Start Time	0	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
08/09/17	0	0	5	17	15	2	0	0	0	0	0	0	0	0	39	26-35	32
01:00	0	2	5	7	10	1	1	0	0	0	0	0	0	0	26	26-35	17
02:00	0	0	4	5	10	1	1	0	0	0	0	0	0	0	21	26-35	15
03:00	0	0	1	8	6	4	0	0	0	0	0	0	0	0	19	26-35	14
04:00	0	0	3	10	3	5	1	0	0	0	0	0	0	0	22	21-30	13
05:00	0	0	3	14	24	15	0	0	0	0	0	0	0	0	56	31-40	39
06:00	5	0	8	71	66	25	4	2	0	1	0	1	0	1	184	26-35	137
07:00	25	3	17	129	127	37	6	2	1	1	3	0	2	16	369	26-35	257
08:00	24	3	54	176	140	25	5	3	1	2	0	1	0	10	444	26-35	317
09:00	30	5	61	142	102	14	6	7	0	2	0	5	2	24	400	26-35	245
10:00	27	2	55	153	77	7	7	3	2	0	2	2	1	20	358	26-35	231
11:00	29	9	75	187	57	2	4	3	2	2	4	2	1	17	394	21-30	263
12 PM	36	17	97	129	55	12	10	2	2	2	1	4	1	29	397	21-30	227
13:00	34	8	63	199	45	4	7	5	5	1	3	1	0	27	402	21-30	263
14:00	38	10	66	130	60	9	7	3	1	0	4	2	2	26	358	21-30	197
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	248	59	517	1377	797	163	59	30	14	11	17	18	9	170	3489		
Percent	7.1%	1.7%	14.8%	39.5%	22.8%	4.7%	1.7%	0.9%	0.4%	0.3%	0.5%	0.5%	0.3%	4.9%			
AM Peak	09:00	11:00	11:00	11:00	08:00	07:00	10:00	09:00	10:00	08:00	11:00	09:00	07:00	09:00	08:00		
Vol.	30	9	75	187	140	37	7	7	2	2	4	5	2	24	444		
PM Peak	14:00	12:00	12:00	13:00	14:00	12:00	12:00	13:00	13:00	12:00	14:00	12:00	14:00	12:00	13:00		
Vol.	38	17	97	199	60	12	10	5	5	2	4	4	2	29	402		
Total	429	86	885	2608	1499	318	102	40	20	22	31	34	22	304	6400		
Percent	6.7%	1.3%	13.8%	40.8%	23.4%	5.0%	1.6%	0.6%	0.3%	0.3%	0.5%	0.5%	0.3%	4.8%			

15th Percentile : 22 MPH
50th Percentile : 28 MPH
85th Percentile : 33 MPH
95th Percentile : 39 MPH

Stats
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 4125
Percent in Pace : 64.5%
Number of Vehicles > 25 MPH : 5000
Percent of Vehicles > 25 MPH : 78.1%
Mean Speed(Average) : 29 MPH

Bouhey St
Btw West Lane and East Lane
Speed

Site Code: 00000000000
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

Start Time	0	16	21	26	31	36	41	46	51	56	61	66	71	76	9999	Total	Pace Speed	Number in Pace
08/08/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	135	49	85	248	110	15	6	0	2	4	2	6	6	63	731	26-35	363	
15:00	113	63	147	165	99	15	8	3	2	2	4	4	1	45	671	21-30	316	
16:00	102	50	137	158	76	7	9	9	3	4	3	6	4	47	615	21-30	298	
17:00	110	53	116	182	89	20	9	3	4	3	6	9	4	64	672	21-30	301	
18:00	103	51	87	317	179	33	12	3	2	3	3	1	1	37	832	26-35	500	
19:00	59	48	74	259	151	36	9	1	0	0	1	2	3	21	664	26-35	412	
20:00	50	34	89	192	114	25	3	1	1	3	0	1	1	15	529	26-35	308	
21:00	44	39	83	178	66	12	4	1	0	0	1	1	0	12	441	21-30	263	
22:00	15	15	39	118	56	8	2	0	0	0	0	0	0	8	261	26-35	175	
23:00	4	13	24	75	29	4	1	2	0	1	0	0	1	1	155	26-35	104	
Total	735	415	881	1892	969	175	63	23	14	20	20	30	21	313	5571			
Percent	13.2%	7.4%	15.8%	34.0%	17.4%	3.1%	1.1%	0.4%	0.3%	0.4%	0.4%	0.5%	0.4%	5.6%				
AM Peak Vol.																		
PM Peak Vol.	14:00	15:00	15:00	18:00	18:00	19:00	18:00	16:00	17:00	14:00	17:00	17:00	14:00	17:00	18:00			
	135	63	147	317	179	36	12	9	4	4	6	9	6	64	832			

Bougey St
Btw West Lane and East Lane
Speed

Site Code: 00000000000
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

Start Time	0	16	21	26	31	36	41	46	51	56	61	66	71	76	9999	Total	Pace Speed	Number in Pace
08/09/17	0	1	13	38	21	5	1	0	0	0	0	0	0	1		80	26-35	59
01:00	0	5	9	18	18	2	1	0	0	0	0	0	0	0		53	26-35	36
02:00	0	1	10	13	16	3	1	1	0	0	0	0	0	0		45	26-35	29
03:00	0	2	2	15	9	5	0	0	0	0	0	0	0	0		33	26-35	24
04:00	0	1	8	22	8	6	1	0	0	0	0	0	0	0		46	26-35	30
05:00	0	1	9	45	32	16	0	0	0	0	0	0	0	0		103	26-35	77
06:00	16	23	28	118	92	28	4	3	0	1	0	1	0	5		319	26-35	211
07:00	91	39	69	205	188	43	7	2	2	2	3	0	3	22		676	26-35	396
08:00	114	43	106	299	168	37	6	6	4	4	1	1	2	34		825	26-35	471
09:00	111	57	129	231	132	17	10	7	1	4	2	5	4	49		759	26-35	367
10:00	114	53	107	204	105	11	8	5	3	3	4	5	1	44		667	21-30	315
11:00	106	70	130	246	75	4	5	6	3	2	6	3	3	48		707	21-30	380
12 PM	140	89	182	175	73	17	14	5	3	3	5	6	1	79		792	21-30	361
13:00	117	41	137	262	68	8	9	9	5	3	8	3	1	51		722	21-30	403
14:00	125	65	120	191	84	11	10	7	2	2	7	2	4	43		673	21-30	315
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*
Total	934	491	1059	2082	1089	213	77	51	23	24	36	26	19	376		6500		
Percent	14.4%	7.6%	16.3%	32.0%	16.8%	3.3%	1.2%	0.8%	0.4%	0.4%	0.6%	0.4%	0.3%	5.8%				
AM Peak	08:00	11:00	11:00	08:00	07:00	07:00	09:00	09:00	08:00	08:00	11:00	09:00	09:00	09:00		08:00		
Vol.	114	70	130	299	188	43	10	7	4	4	6	5	4	49		825		
PM Peak	12:00	12:00	12:00	13:00	14:00	12:00	12:00	13:00	13:00	12:00	13:00	12:00	14:00	12:00		12:00		
Vol.	140	89	182	262	84	17	14	9	5	3	8	6	4	79		792		
Total	1669	906	1940	3974	2058	388	140	74	37	44	56	56	40	689		12071		
Percent	13.8%	7.5%	16.1%	32.9%	17.0%	3.2%	1.2%	0.6%	0.3%	0.4%	0.5%	0.5%	0.3%	5.7%				

15th Percentile : 15 MPH
50th Percentile : 26 MPH
85th Percentile : 32 MPH
95th Percentile : 38 MPH

Stats
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 6088
Percent in Pace : 50.4%
Number of Vehicles > 25 MPH : 7556
Percent of Vehicles > 25 MPH : 62.6%
Mean Speed(Average) : 26 MPH