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# Memorandum

The City of Traverse City  
Engineering Department



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TO: Timothy J. Lodge, P.E., City Engineer  
FROM: Abhishek Deora, Engineering Aide  
DATE: August 30th, 2017  
SUBJECT: Railroad at Rose St Classification Count

This memo is to formalize City Engineering's initial findings and observations in regard to the class of vehicles traveling on Rose St at Railroad.

City Engineering performed a 24-hour classification count of Rose St began at 11:44 am on August 29th, 2017 and ended at 12:47 pm on August 30th, 2017. The data was gathered using a Jamar Traffic Counter which collected traffic data, including vehicle classification, for each lane of traffic (northbound and southbound) 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 2587 vehicles traveled on Rose St during the 24-hour class count. The vehicle class count showed that 73 vehicles, 2.7 percent, traveling on Rose St during the count were a class 6 (FHA Scheme F) or higher.

177 vehicles, 6.8 percent, fell into class 14 which is for bicycles and unknown vehicles. This number suggests that many people use this section of Rose 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: 2587 vehicles
- Class 6 or Higher: 2.7%
- Class 1 to 5: 90.5%
- Class 14 (Unknown/Bicycles): 6.8%

Encl.: Detailed TraxPro Classification Report

Rose St at Railroad  
Class

Site Code: 000000000000  
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
08/29/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	0	81	18	1	1	0	0	1	0	0	0	0	0	4	106
13:00	1	96	18	0	5	0	1	0	0	0	0	0	0	6	127
14:00	1	90	17	1	0	0	0	1	0	1	0	0	0	6	117
15:00	0	104	25	2	2	0	0	0	0	0	0	0	0	3	136
16:00	1	133	15	1	3	0	0	1	0	1	0	0	0	8	163
17:00	0	92	16	1	2	0	1	1	0	1	0	0	0	7	121
18:00	1	64	8	0	1	0	0	0	0	0	0	0	0	1	75
19:00	0	48	7	0	0	0	0	0	0	0	0	0	0	2	57
20:00	1	32	4	0	0	0	0	0	0	0	0	0	0	0	37
21:00	0	19	0	0	0	0	0	1	0	0	0	0	0	0	20
22:00	0	21	1	0	0	0	0	0	0	0	0	0	0	1	23
23:00	0	9	1	0	0	0	0	0	0	0	0	0	0	0	10
Total	5	789	130	6	14	0	2	5	0	3	0	0	0	38	992
Percent	0.5%	79.5%	13.1%	0.6%	1.4%	0.0%	0.2%	0.5%	0.0%	0.3%	0.0%	0.0%	0.0%	3.8%	
AM Peak Vol.															
PM Peak Vol.	13:00	16:00	15:00	15:00	13:00		13:00	12:00		14:00				16:00	
	1	133	25	2	5		1	1		1				8	

Rose St at Railroad  
Class

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
08/30/17	0	2	0	0	0	0	0	0	0	0	0	0	0	1	3
01:00	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
02:00	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	8	1	0	0	0	0	0	0	0	0	0	0	0	9
06:00	0	24	7	0	0	0	0	0	0	0	0	0	0	1	32
07:00	0	78	14	0	1	0	0	0	0	0	0	0	0	0	93
08:00	0	57	13	0	2	0	0	0	0	0	0	0	0	4	76
09:00	0	67	12	0	0	0	0	0	0	0	0	0	0	4	83
10:00	0	76	18	1	0	0	0	0	0	0	0	0	0	3	98
11:00	0	87	16	1	4	0	1	0	0	1	0	0	0	7	117
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	0	409	81	2	7	0	1	0	0	1	0	0	0	20	521
Percent	0.0%	78.5%	15.5%	0.4%	1.3%	0.0%	0.2%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	3.8%	
AM Peak		11:00	10:00	10:00	11:00		11:00			11:00				11:00	
Vol.		87	18	1	4		1			1				7	
PM Peak															
Vol.															
Grand Total	5	1198	211	8	21	0	3	5	0	4	0	0	0	58	1513
Percent	0.3%	79.2%	13.9%	0.5%	1.4%	0.0%	0.2%	0.3%	0.0%	0.3%	0.0%	0.0%	0.0%	3.8%	

Rose St at Railroad  
Class

Site Code: 00000000000  
Station ID:

Latitude: 0' 0.0000 South

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
08/29/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	7	32	27	0	11	1	0	0	0	0	0	0	0	2	80
13:00	2	32	25	1	7	2	0	0	0	0	0	0	0	8	77
14:00	4	36	26	0	4	1	0	2	0	0	0	0	0	4	77
15:00	1	47	29	0	8	0	0	4	0	0	0	0	0	8	97
16:00	7	37	39	0	21	2	0	2	0	0	0	0	0	8	116
17:00	4	30	19	1	6	0	0	0	0	0	0	0	0	7	67
18:00	1	17	8	1	2	2	0	1	0	0	0	0	0	5	37
19:00	3	18	14	0	0	3	0	0	0	0	0	0	0	8	46
20:00	3	19	4	0	0	3	0	0	0	0	0	0	0	4	33
21:00	5	7	8	0	0	2	0	0	0	0	0	0	0	5	27
22:00	3	3	4	0	0	2	0	0	0	0	0	0	0	4	16
23:00	0	2	1	0	0	1	0	0	0	0	0	0	0	1	5
Total	40	280	204	3	59	19	0	9	0	0	0	0	0	64	678
Percent	5.9%	41.3%	30.1%	0.4%	8.7%	2.8%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	9.4%	
AM Peak Vol.															
PM Peak Vol.	12:00	15:00	16:00	13:00	16:00	19:00		15:00						13:00	
	7	47	39	1	21	3		4						8	

Rose St at Railroad  
Class

Site Code: 000000000000  
Station ID:

Latitude: 0' 0.0000 South

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
08/30/17	0	1	1	0	0	1	0	0	0	0	0	0	0	1	4
01:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	1	0	0	0	1	1	0	0	0	0	0	0	0	0	3
04:00	0	2	1	0	0	1	0	0	0	0	0	0	0	2	6
05:00	2	1	1	0	0	0	0	0	0	0	0	0	0	1	5
06:00	3	4	9	0	3	3	0	0	0	0	0	0	0	8	30
07:00	16	17	14	0	7	5	0	0	1	0	0	0	0	14	74
08:00	18	8	9	0	1	6	0	2	0	0	0	0	0	12	56
09:00	6	23	12	1	4	4	0	1	0	0	0	0	0	7	58
10:00	5	22	25	1	8	0	0	3	0	0	0	0	1	7	72
11:00	0	40	28	1	9	0	0	4	0	0	0	0	0	3	85
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	53	118	101	3	33	21	0	10	1	0	0	0	1	55	396
Percent	13.4%	29.8%	25.5%	0.8%	8.3%	5.3%	0.0%	2.5%	0.3%	0.0%	0.0%	0.0%	0.3%	13.9%	
AM Peak	08:00	11:00	11:00	09:00	11:00	08:00		11:00	07:00				10:00	07:00	
Vol.	18	40	28	1	9	6		4	1				1	14	
PM Peak															
Vol.															
Grand Total	93	398	305	6	92	40	0	19	1	0	0	0	1	119	1074
Percent	8.7%	37.1%	28.4%	0.6%	8.6%	3.7%	0.0%	1.8%	0.1%	0.0%	0.0%	0.0%	0.1%	11.1%	

Rose St at Railroad  
Class

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
08/29/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	7	113	45	1	12	1	0	1	0	0	0	0	0	6	186
13:00	3	128	43	1	12	2	1	0	0	0	0	0	0	14	204
14:00	5	126	43	1	4	1	0	3	0	1	0	0	0	10	194
15:00	1	151	54	2	10	0	0	4	0	0	0	0	0	11	233
16:00	8	170	54	1	24	2	0	3	0	1	0	0	0	16	279
17:00	4	122	35	2	8	0	1	1	0	1	0	0	0	14	188
18:00	2	81	16	1	3	2	0	1	0	0	0	0	0	6	112
19:00	3	66	21	0	0	3	0	0	0	0	0	0	0	10	103
20:00	4	51	8	0	0	3	0	0	0	0	0	0	0	4	70
21:00	5	26	8	0	0	2	0	1	0	0	0	0	0	5	47
22:00	3	24	5	0	0	2	0	0	0	0	0	0	0	5	39
23:00	0	11	2	0	0	1	0	0	0	0	0	0	0	1	15
Total	45	1069	334	9	73	19	2	14	0	3	0	0	0	102	1670
Percent	2.7%	64.0%	20.0%	0.5%	4.4%	1.1%	0.1%	0.8%	0.0%	0.2%	0.0%	0.0%	0.0%	6.1%	
AM Peak Vol.															
PM Peak Vol.	16:00	16:00	15:00	15:00	16:00	19:00	13:00	15:00		14:00				16:00	
	8	170	54	2	24	3	1	4		1				16	

Rose St at Railroad  
Class

Site Code: 000000000000  
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
08/30/17	0	3	1	0	0	1	0	0	0	0	0	0	0	2	7
01:00	2	4	0	0	0	0	0	0	0	0	0	0	0	0	6
02:00	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
03:00	1	1	0	0	1	1	0	0	0	0	0	0	0	0	4
04:00	0	3	1	0	0	1	0	0	0	0	0	0	0	2	7
05:00	2	9	2	0	0	0	0	0	0	0	0	0	0	1	14
06:00	3	28	16	0	3	3	0	0	0	0	0	0	0	9	62
07:00	16	95	28	0	8	5	0	0	1	0	0	0	0	14	167
08:00	18	65	22	0	3	6	0	2	0	0	0	0	0	16	132
09:00	6	90	24	1	4	4	0	1	0	0	0	0	0	11	141
10:00	5	98	43	2	8	0	0	3	0	0	0	0	1	10	170
11:00	0	127	44	2	13	0	1	4	0	1	0	0	0	10	202
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	53	527	182	5	40	21	1	10	1	1	0	0	1	75	917
Percent	5.8%	57.5%	19.8%	0.5%	4.4%	2.3%	0.1%	1.1%	0.1%	0.1%	0.0%	0.0%	0.1%	8.2%	
AM Peak	08:00	11:00	11:00	10:00	11:00	08:00	11:00	11:00	07:00	11:00			10:00	08:00	
Vol.	18	127	44	2	13	6	1	4	1	1			1	16	
PM Peak															
Vol.															
Grand Total	98	1596	516	14	113	40	3	24	1	4	0	0	1	177	2587
Percent	3.8%	61.7%	19.9%	0.5%	4.4%	1.5%	0.1%	0.9%	0.0%	0.2%	0.0%	0.0%	0.0%	6.8%	

Rose St at Railroad  
Class

Site Code: 00000000000  
Station ID:

Latitude: 0' 0.0000 South

Start Time	28-Aug-17 Mon	29-Aug-17 Tue	30-Aug-17 Wed	31-Aug-17 Thu	01-Sep-17 Fri	Weekday Average	02-Sep-17 Sat	03-Sep-17 Sun
12:00 AM	*	*	7	*	*	7	*	*
01:00	*	*	6	*	*	6	*	*
02:00	*	*	5	*	*	5	*	*
03:00	*	*	4	*	*	4	*	*
04:00	*	*	7	*	*	7	*	*
05:00	*	*	14	*	*	14	*	*
06:00	*	*	62	*	*	62	*	*
07:00	*	*	167	*	*	167	*	*
08:00	*	*	132	*	*	132	*	*
09:00	*	*	141	*	*	141	*	*
10:00	*	*	170	*	*	170	*	*
11:00	*	*	202	*	*	202	*	*
12:00 PM	*	186	*	*	*	186	*	*
01:00	*	204	*	*	*	204	*	*
02:00	*	194	*	*	*	194	*	*
03:00	*	233	*	*	*	233	*	*
04:00	*	279	*	*	*	279	*	*
05:00	*	188	*	*	*	188	*	*
06:00	*	112	*	*	*	112	*	*
07:00	*	103	*	*	*	103	*	*
08:00	*	70	*	*	*	70	*	*
09:00	*	47	*	*	*	47	*	*
10:00	*	39	*	*	*	39	*	*
11:00	*	15	*	*	*	15	*	*
Total	0	1670	917	0	0		0	0
Percentage	0.0%	64.6%	35.4%	0.0%	0.0%		0.0%	0.0%
AM Peak	-	-	11:00	-	-	-	-	-
Vol.	-	-	202	-	-	-	-	-
PM Peak	-	16:00	-	-	-	-	-	-
Vol.	-	279	-	-	-	-	-	-
Total		1670	917					



Rose St at Railroad  
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
08/29/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9999	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	3	16	62	22	2	0	0	0	0	0	0	0	0	1	106	21-30	84
13:00	8	<b>27</b>	66	24	0	0	0	0	0	0	0	0	0	<b>2</b>	127	16-25	93
14:00	5	21	51	35	<b>3</b>	0	0	0	0	0	0	0	0	2	117	21-30	86
15:00	8	14	66	<b>43</b>	3	0	0	0	0	0	0	0	0	2	136	21-30	109
16:00	<b>10</b>	15	<b>95</b>	39	2	0	0	0	0	<b>1</b>	0	<b>1</b>	0	0	<b>163</b>	21-30	135
17:00	4	21	65	27	2	0	0	0	0	1	0	0	0	1	121	21-30	92
18:00	4	16	37	17	1	0	0	0	0	0	0	0	0	0	75	21-30	54
19:00	5	6	33	11	2	0	0	0	0	0	0	0	0	0	57	21-30	44
20:00	2	12	16	5	2	0	0	0	0	0	0	0	0	0	37	16-25	28
21:00	0	5	12	2	1	0	0	0	0	0	0	0	0	0	20	16-25	17
22:00	3	7	8	5	0	0	0	0	0	0	0	0	0	0	23	16-25	15
23:00	0	3	6	1	0	0	0	0	0	0	0	0	0	0	10	16-25	9
Total	52	163	517	231	18	0	0	0	0	2	0	1	0	8	992		
Percent	5.2%	16.4%	52.1%	23.3%	1.8%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.1%	0.0%	0.8%			

AM Peak

Vol.

PM Peak

Vol.

16:00	13:00	16:00	15:00	14:00	16:00	16:00	13:00	16:00
10	27	95	43	3	1	1	2	163



Rose St at Railroad  
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
08/29/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9999	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	6	4	<b>23</b>	27	15	4	0	<b>1</b>	0	0	0	0	0	0	80	21-30	50
13:00	6	7	17	27	14	5	0	0	0	0	0	<b>1</b>	0	0	77	21-30	44
14:00	6	4	9	31	24	3	0	0	0	0	0	0	0	0	77	26-35	55
15:00	<b>9</b>	<b>9</b>	17	34	20	4	<b>2</b>	1	0	0	0	0	0	<b>1</b>	97	26-35	54
16:00	6	4	18	<b>45</b>	<b>29</b>	<b>12</b>	1	0	0	0	0	0	0	1	<b>116</b>	26-35	74
17:00	4	5	11	27	15	4	0	0	0	0	0	0	0	1	67	26-35	42
18:00	3	2	8	14	7	2	0	0	0	0	0	0	0	1	37	21-30	22
19:00	7	2	6	17	11	2	1	0	0	0	0	0	0	0	46	26-35	28
20:00	4	4	5	15	4	1	0	0	0	0	0	0	0	0	33	21-30	20
21:00	0	2	9	10	4	2	0	0	0	0	0	0	0	0	27	21-30	19
22:00	2	0	8	3	1	2	0	0	0	0	0	0	0	0	16	21-30	11
23:00	0	0	0	2	3	0	0	0	0	0	0	0	0	0	5	26-35	5
Total	53	43	131	252	147	41	4	2	0	0	0	0	1	0	678		
Percent	7.8%	6.3%	19.3%	37.2%	21.7%	6.0%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.6%		
AM Peak Vol.																	
PM Peak Vol.	15:00	15:00	12:00	16:00	16:00	16:00	15:00	12:00				13:00		15:00	16:00		
	9	9	23	45	29	12	2	1				1		1	116		



Rose St at Railroad  
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	Total	Pace Speed	Number in Pace
08/29/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	9	20	85	49	17	4	0	1	0	0	0	0	0	1	186	21-30	134
13:00	14	34	83	51	14	5	0	0	0	0	0	1	0	2	204	21-30	135
14:00	11	25	60	66	27	3	0	0	0	0	0	0	0	2	194	21-30	126
15:00	17	23	83	77	23	4	2	1	0	0	0	0	0	3	233	21-30	161
16:00	16	19	113	84	31	12	1	0	0	1	0	1	0	1	279	21-30	198
17:00	8	26	76	54	17	4	0	0	0	1	0	0	0	2	188	21-30	130
18:00	7	18	45	31	8	2	0	0	0	0	0	0	0	1	112	21-30	76
19:00	12	8	39	28	13	2	1	0	0	0	0	0	0	0	103	21-30	67
20:00	6	16	21	20	6	1	0	0	0	0	0	0	0	0	70	21-30	41
21:00	0	7	21	12	5	2	0	0	0	0	0	0	0	0	47	21-30	33
22:00	5	7	16	8	1	2	0	0	0	0	0	0	0	0	39	21-30	24
23:00	0	3	6	3	3	0	0	0	0	0	0	0	0	0	15	16-25	9
Total	105	206	648	483	165	41	4	2	0	2	0	2	0	12	1670		
Percent	6.3%	12.3%	38.8%	28.9%	9.9%	2.5%	0.2%	0.1%	0.0%	0.1%	0.0%	0.1%	0.0%	0.7%			
AM Peak Vol.																	
PM Peak Vol.	15:00	13:00	16:00	16:00	16:00	16:00	15:00	12:00		16:00		13:00		15:00	16:00		
	17	34	113	84	31	12	2	1		1		1		3	279		

