Memorandum

The City of Traverse City
Engineering Department

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

FROM: Jessica L. Cichowski, E.I.T., Engineering Technician JC

DATE: November 11, 2013

SUBJECT: Birchwood, South of Western, Speed and Classification Count

This memo is to formalize City Engineering's initial findings and observations in regard to the class and speed of vehicles traveling on Birchwood south of Western.

City Engineering performed a week long classification and speed count of Birchwood starting at 11 am on October 8, 2013 and ending at 1 pm on October 15, 2013. 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 classification report organized the the vehicles into groups based on the class of vehicle. The report shows how many vehicles were within the specified class during one hour intervals as indicated by the report. The TraxPro speed report organized the speeds of the vehicles into groups based on 5 mile per hour increments, starting with a 0-15 mile per hour group. The report shows how many vehicles were within the specified speed range during one hour intervals as indicated by the report.

A total of 4744 vehicles traveled on Birchwood during the week long class and speed count. The vehicle class count showed that 89 vehicles, 1.9 percent, traveling on Birchwood during the count were a class 6 (FHA Scheme F) or higher. This means that 1.9 percent of the vehicles traveling on the road have at least three axles (not including buses or class 14). 417 vehicles, 8.8 percent, fell into class 14 which is for bicycles and unknown vehicles. This moderate number suggests that some people use this section of Birchwood as a bicycling route.

About 58 percent of the vehicles on this section of Birchwood were traveling between 20 and 29 miles per hour with an average speed of 22 miles per hour. 1832 of these vehicles, about 39 percent, were recorded going speeds above the posted speed limit of 25 miles per hour. However, 85 percent of the vehicles were recorded going speeds below 28 miles per hour.

Memorandum

The City of Traverse City
Engineering Department

Speed Summary:

- Speed Limit: 25 mph
- Number of Recorded Vehicles (1 week): 4744
- Percent of Vehicles Over Speed Limit: 38.7 %
- Average Speed: 22 mph
- 10 Mile Per Hour Pace Speed: 20 to 29 mph
- 85th Percentile: 28 mph
- 95th Percentile: 32 mph

Classification Summary:

- Number of Vehicles: 4744 vehicles
- Class 6 or Higher: 1.9 %
- Class 1 to 5: 89.3 %
- Class 14 (Unknown/Bicycles): 8.8 %

Encl.: Detailed TraxPro Classification Report

Detailed TraxPro Speed Report

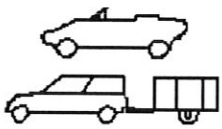
FHWA Scheme F Classification

APPENDIX B

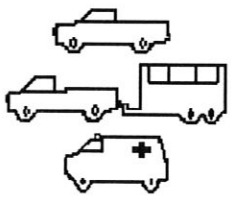
FHWA Type F Vehicle Classification Scheme

Class 1 - <u>Motorcycles.</u> This class includes all two- or three-wheeled motorized vehicles. These vehicles typically have a saddle-type of seat and are steered by handlebars rather than a steering wheel. This includes motorcycles, motor scooters, mopeds, motor-powered bicycles and three-wheel motorcycles.

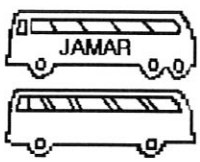
Class 2 - <u>Passenger cars.</u> This class includes all sedans, coupes and station wagons manufactured primarily for the purpose of carrying passengers, including those pulling recreational or other light trailers.



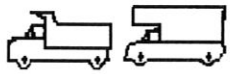
Class 3 - <u>Pickups, Vans and other 2-axle, 4-tire single unit vehicles.</u> This class includes all two-axle, four tire vehicles other than passenger cars, which includes pickups, vans, campers, small motor homes, ambulances, minibuses and carryalls. These types of vehicles which are pulling recreational or other light trailers are included.



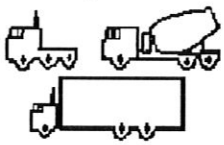
Class 4 - <u>Buses.</u> This class includes all vehicles manufactured as traditional passenger-carrying buses with two axles and six tires or three or more axles. This includes only traditional buses, including school and transit buses, functioning as passenger-carrying vehicles. All two-axle, four tire minibuses should be classified as Class 3. Modified buses should be considered to be trucks and classified appropriately.



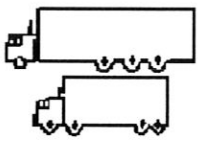
Class 5 - **Two-Axle, Six-Tire Single Unit Trucks.** This class includes all vehicles on a *single frame* which have *two axles and dual rear tires*. This includes trucks, camping and recreation vehicles, motor homes, etc.



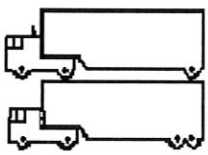
Class 6 - **Three-Axle Single Unit Trucks.** This class includes all vehicles on a *single frame* which have *three axles*. This includes trucks, camping and recreation vehicles, motor homes, etc.



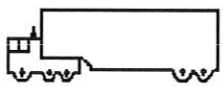
Class 7 - **Four or More Axle Single Unit Trucks.** This class includes all vehicles on a *single frame* with *four or more axles*.



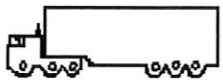
Class 8 - **Four or Less Axle Single Trailer Trucks.** This class includes all vehicles with *four or less axles* consisting of *two units*, in which the pulling unit is a tractor or single unit truck.



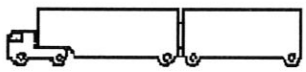
Class 9 - **Five-Axle Single Trailer Trucks**. This class includes all *five-axle* vehicles consisting of *two units* in which the pulling unit is a tractor or single unit truck.



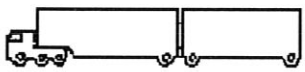
Class 10 - **Six or More Axle Single Trailer Trucks**. This class includes all vehicles with *six or more axles* consisting of *two units* in which the pulling unit is a tractor or single unit truck.



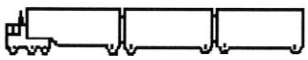
Class 11 - **Five or Less Axle Multi-Trailer Trucks**. This class includes all vehicles with *five or less axles* consisting of *three or more units* in which the pulling unit is a tractor or single unit truck.



Class 12 - **Six-Axle Multi-Trailer Trucks**. This class includes all *six-axle* vehicles consisting of *three or more units* in which the pulling unit is a tractor or single unit truck.



Class 13 - **Seven or More Axle Multi-Trailer Trucks**. This class includes all vehicles with *seven or more axles* consisting of *three or more units* in which the pulling unit is a tractor or single unit truck.



The TRAX II also collects data for **Class 14** - **Unclassified Vehicles**. This class includes all vehicles which the TRAX II could not process into one of the existing 13 classes. This data can be retained in your reports, or it can be redistributed by the software into the existing 13 classes based on the percentages in each of those classes.

Birchwood
(S of Western)
Speed

Site Code: 000000000000
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

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
10/08/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	**2**	**11**	**17**	**11**	**2**	0	0	0	0	**1**	0	0	0	0	**44**	19-28	24
12 PM	3	5	26	14	6	0	0	0	0	0	0	0	0	0	54	20-29	34
13:00	3	8	12	19	3	0	0	0	0	0	0	0	0	0	45	21-30	25
14:00	**10**	8	18	11	3	0	0	0	0	0	0	0	0	0	50	20-29	22
15:00	3	3	26	12	6	0	0	0	0	0	0	0	0	0	50	20-29	33
16:00	1	**14**	**32**	**29**	3	1	0	0	0	0	0	0	0	0	**80**	20-29	51
17:00	6	6	24	20	**9**	1	0	0	0	0	0	0	0	0	66	21-30	36
18:00	3	6	14	12	1	**2**	**1**	0	0	0	0	0	0	0	39	20-29	21
19:00	2	6	9	10	4	1	0	0	0	0	0	0	0	0	32	20-29	16
20:00	2	3	9	9	7	0	0	0	0	0	0	0	0	0	30	22-31	16
21:00	1	4	6	5	2	0	0	0	0	0	0	0	0	0	18	20-29	9
22:00	0	1	3	3	0	2	0	0	0	0	0	0	0	0	9	21-30	5
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
Total	36	75	196	156	46	7	1	0	0	1	0	0	0	0	518		
Percent	6.9%	14.5%	37.8%	30.1%	8.9%	1.4%	0.2%	0.0%	0.0%	0.2%	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.	2	11	17	11	2					1					44		
PM Peak	14:00	16:00	16:00	16:00	17:00	18:00	18:00								16:00		
Vol.	10	14	32	29	9	2	1								80		

Birchwood
(S of Western)
Speed

Site Code: 000000000000
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

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
10/09/13	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	19-28	3
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2-11	2
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	14-23	1
05:00	2	0	0	0	1	0	0	0	0	0	0	0	0	0	3	1-10	2
06:00	1	2	6	5	0	0	0	0	0	0	0	0	0	0	14	19-28	9
07:00	2	6	13	12	**5**	0	0	0	0	0	0	0	0	0	38	20-29	21
08:00	0	3	15	**17**	4	0	0	0	0	0	0	0	0	0	39	21-30	28
09:00	5	5	13	8	1	**2**	0	0	0	0	0	0	0	0	34	19-28	17
10:00	**8**	**8**	27	6	4	1	0	0	0	0	0	0	0	0	**54**	18-27	29
11:00	4	1	**28**	14	1	0	0	0	0	0	0	0	0	0	48	20-29	35
12 PM	6	**15**	19	20	3	0	0	0	0	0	0	0	0	0	63	20-29	31
13:00	10	9	25	16	**4**	0	0	0	0	0	0	0	0	0	**64**	20-29	32
14:00	3	13	26	9	2	**1**	0	0	0	0	0	0	0	0	54	18-27	32
15:00	2	8	**32**	15	4	0	0	0	0	0	0	**1**	0	0	62	19-28	41
16:00	5	6	24	12	3	0	0	0	0	0	0	0	0	0	50	20-29	30
17:00	3	9	25	**24**	3	0	0	0	0	0	0	0	0	0	64	21-30	40
18:00	**12**	12	15	14	2	0	0	0	0	0	0	0	0	0	55	18-27	22
19:00	2	4	10	10	3	0	0	0	0	0	0	0	0	0	29	22-31	16
20:00	1	2	8	9	0	0	0	0	0	0	0	0	0	0	20	20-29	14
21:00	0	1	8	5	2	0	0	0	0	0	0	0	0	0	16	22-31	11
22:00	0	2	2	1	1	1	0	0	0	0	0	0	0	0	7	18-27	3
23:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3	24-33	2
Total	68	106	301	199	44	5	0	0	0	0	0	1	0	0	724		
Percent	9.4%	14.6%	41.6%	27.5%	6.1%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%			
AM Peak	10:00	10:00	11:00	08:00	07:00	09:00									10:00		
Vol.	8	8	28	17	5	2									54		
PM Peak	18:00	12:00	15:00	17:00	13:00	14:00						15:00			13:00		
Vol.	12	15	32	24	4	1						1			64		

Birchwood
(S of Western)
Speed

Site Code: 000000000000
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

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
10/10/13	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	25-34	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
04:00	0	0	2	0	2	0	0	0	0	0	0	0	0	0	4	27-36	2
05:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	5-14	1
06:00	1	1	9	6	1	0	0	0	0	0	0	0	0	0	18	20-29	13
07:00	2	2	18	**17**	1	**2**	0	0	0	0	0	0	0	0	42	21-30	29
08:00	1	3	21	16	0	0	0	0	0	0	0	0	0	0	41	21-30	31
09:00	1	8	**25**	5	**5**	0	0	0	0	0	0	0	0	0	44	18-27	29
10:00	**5**	6	16	9	2	0	0	0	0	0	0	0	0	0	38	20-29	20
11:00	4	**9**	14	13	4	0	0	0	0	0	0	0	0	**1**	**45**	19-28	22
12 PM	2	5	18	19	4	1	0	0	0	0	0	0	0	0	49	21-30	31
13:00	0	**7**	19	13	**10**	0	0	0	0	0	0	0	0	0	49	21-30	28
14:00	**6**	7	17	16	9	2	0	0	0	0	0	0	0	0	57	21-30	27
15:00	4	7	**27**	9	6	**4**	**1**	0	0	0	0	0	0	0	58	19-28	32
16:00	3	3	27	**21**	5	0	0	0	0	0	0	0	0	0	59	21-30	41
17:00	3	6	22	21	8	2	0	0	0	0	0	0	0	0	**62**	21-30	36
18:00	4	4	21	11	3	1	0	0	0	0	0	0	0	0	44	20-29	26
19:00	6	2	8	11	3	0	1	0	0	0	0	0	0	0	31	21-30	15
20:00	1	2	7	14	5	0	0	0	0	0	0	0	0	0	29	23-32	19
21:00	0	1	7	4	3	0	0	0	0	0	0	0	0	0	15	20-29	10
22:00	0	0	2	3	1	1	0	0	0	0	0	0	0	0	7	21-30	5
23:00	0	1	1	0	1	0	0	0	0	0	0	0	0	0	3	14-23	2
Total	45	74	282	208	75	13	2	0	0	0	0	0	0	1	700		
Percent	6.4%	10.6%	40.3%	29.7%	10.7%	1.9%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%			
AM Peak	10:00	11:00	09:00	07:00	09:00	07:00								11:00	11:00		
Vol.	5	9	25	17	5	2								1	45		
PM Peak	14:00	13:00	15:00	16:00	13:00	15:00	15:00								17:00		
Vol.	6	7	27	21	10	4	1								62		

Birchwood
(S of Western)
Speed

Site Code: 000000000000
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

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
10/11/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3	19-28	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2-11	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	24-33	1
06:00	0	3	8	2	0	0	0	0	0	0	0	0	0	0	13	18-27	10
07:00	1	7	15	15	3	0	0	0	0	0	0	0	0	0	41	20-29	25
08:00	**8**	2	20	10	1	0	0	0	0	0	0	0	0	0	41	20-29	23
09:00	4	8	19	10	2	**1**	0	0	0	0	0	0	0	0	44	19-28	24
10:00	4	**9**	16	12	1	1	0	0	0	0	0	0	0	0	43	19-28	23
11:00	3	3	**22**	**16**	**4**	1	0	0	0	0	0	0	0	0	**49**	20-29	32
12 PM	5	5	18	7	5	0	0	0	0	0	0	0	0	0	40	19-28	21
13:00	3	8	23	18	3	0	0	0	0	0	0	0	0	0	55	20-29	34
14:00	**7**	4	**25**	12	3	0	0	0	0	0	0	0	0	**1**	52	20-29	30
15:00	3	**10**	23	17	**7**	1	0	0	0	0	0	0	0	0	61	20-29	34
16:00	5	8	18	**27**	4	**2**	0	0	0	0	0	0	0	0	**64**	22-31	36
17:00	1	6	14	17	7	1	0	0	0	0	0	0	0	0	46	21-30	27
18:00	2	4	14	15	6	2	0	0	0	0	0	0	0	1	44	21-30	25
19:00	1	4	10	7	2	2	0	0	0	0	0	0	0	0	26	21-30	14
20:00	0	3	8	5	2	1	0	0	0	0	0	0	0	0	19	21-30	11
21:00	0	1	10	5	1	1	0	0	0	0	0	0	0	0	18	21-30	13
22:00	0	3	2	1	0	0	0	0	0	0	0	0	0	0	6	12-21	4
23:00	0	0	1	2	2	0	0	0	0	0	0	0	0	0	5	24-33	4
Total	49	88	268	199	54	13	0	0	0	0	0	0	0	2	673		
Percent	7.3%	13.1%	39.8%	29.6%	8.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%			
AM Peak	08:00	10:00	11:00	11:00	11:00	09:00									11:00		
Vol.	8	9	22	16	4	1									49		
PM Peak	14:00	15:00	14:00	16:00	15:00	16:00								14:00	16:00		
Vol.	7	10	25	27	7	2								1	64		

Birchwood
(S of Western)
Speed

Site Code: 000000000000
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

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
10/12/13	1	0	3	0	2	0	0	0	0	0	0	0	0	0	6	17-26	3
01:00	3	0	2	0	0	0	0	0	0	0	0	0	0	0	5	1-10	3
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
04:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	5-14	1
05:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3	21-30	3
06:00	0	1	4	3	0	0	0	0	0	0	0	0	0	0	8	19-28	6
07:00	0	3	12	4	0	0	0	0	0	0	0	0	0	0	19	20-29	14
08:00	1	1	12	6	0	0	0	0	0	0	0	0	0	0	20	20-29	15
09:00	1	**8**	**19**	5	1	0	0	0	0	0	0	0	0	0	34	17-26	23
10:00	**4**	4	16	**12**	**5**	0	0	0	0	0	0	0	0	0	**41**	20-29	23
11:00	1	7	18	9	**4**	**2**	0	0	0	0	0	0	0	0	41	19-28	24
12 PM	**6**	8	19	13	**5**	0	0	0	0	0	**1**	0	0	**1**	53	19-28	26
13:00	2	**13**	19	**21**	4	**1**	0	0	0	0	0	0	0	0	**60**	20-29	33
14:00	6	9	24	18	2	1	0	0	0	0	0	0	0	0	60	20-29	34
15:00	4	8	**30**	16	1	0	0	0	0	0	0	0	0	0	59	20-29	38
16:00	2	8	30	8	3	1	0	0	0	0	0	0	0	0	52	19-28	34
17:00	3	3	14	8	5	0	0	0	0	0	0	0	0	0	33	21-30	18
18:00	2	6	13	8	3	1	0	0	0	0	0	0	0	0	33	19-28	18
19:00	2	3	8	7	3	0	0	0	0	0	0	0	0	0	23	22-31	12
20:00	2	3	5	2	1	0	0	0	0	0	0	0	0	0	13	18-27	6
21:00	0	2	4	7	1	0	0	0	0	0	0	0	0	0	14	23-32	9
22:00	1	0	4	3	1	0	0	0	0	0	0	0	0	0	9	20-29	6
23:00	1	1	2	0	1	1	0	0	0	0	0	0	0	0	6	18-27	2
Total	44	88	259	154	42	7	0	0	0	0	1	0	0	1	596		
Percent	7.4%	14.8%	43.5%	25.8%	7.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.2%			
AM Peak	10:00	09:00	09:00	10:00	10:00	11:00									10:00		
Vol.	4	8	19	12	5	2									41		
PM Peak	12:00	13:00	15:00	13:00	12:00	13:00					12:00			12:00	13:00		
Vol.	6	13	30	21	5	1					1			1	60		

Birchwood
(S of Western)
Speed

Site Code: 000000000000
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

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
10/13/13	0	0	3	1	**2**	0	0	0	0	0	0	0	0	0	6	19-28	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4	24-33	2
07:00	0	1	4	3	0	0	0	0	0	0	0	0	0	0	8	19-28	6
08:00	1	1	8	6	1	0	0	0	0	0	0	0	0	0	17	20-29	12
09:00	0	4	14	7	0	0	0	0	0	0	0	0	0	0	25	20-29	18
10:00	1	**6**	12	**13**	1	**1**	0	0	0	0	0	0	0	0	34	20-29	21
11:00	**2**	6	**20**	12	2	0	0	0	0	0	0	0	0	0	**42**	19-28	27
12 PM	2	7	**24**	15	2	**1**	0	0	0	0	0	0	0	0	51	19-28	33
13:00	1	**12**	21	18	4	0	0	0	0	0	0	0	0	0	**56**	19-28	33
14:00	**4**	8	22	16	3	0	0	0	0	0	0	0	0	**1**	54	20-29	31
15:00	0	10	11	15	6	1	0	0	0	0	0	0	0	0	43	22-31	22
16:00	2	8	13	10	**7**	0	0	0	0	0	0	0	0	0	40	20-29	20
17:00	3	2	15	**21**	3	1	0	0	**1**	0	0	0	0	0	46	22-31	30
18:00	0	7	15	12	6	1	0	0	0	0	0	0	0	0	41	21-30	23
19:00	1	2	7	6	1	1	0	0	0	0	0	0	0	0	18	20-29	11
20:00	0	2	5	9	3	1	0	0	0	0	0	0	0	0	20	22-31	13
21:00	1	1	3	5	0	0	0	0	0	0	0	0	0	0	10	23-32	6
22:00	0	0	2	1	0	1	0	0	0	0	0	0	0	0	4	19-28	3
23:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	19-28	3
Total	19	78	203	173	41	8	0	0	1	0	0	0	0	1	524		
Percent	3.6%	14.9%	38.7%	33.0%	7.8%	1.5%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.2%			
AM Peak	11:00	10:00	11:00	10:00	00:00	10:00									11:00		
Vol.	2	6	20	13	2	1									42		
PM Peak	14:00	13:00	12:00	17:00	16:00	12:00			17:00					14:00	13:00		
Vol.	4	12	24	21	7	1			1					1	56		

Birchwood
(S of Western)
Speed

Site Code: 000000000000
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

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
10/14/13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	14-23	1
01:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	5-14	1
02:00	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3	15-24	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3	20-29	2
05:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	5-14	1
06:00	1	2	9	5	0	0	0	0	0	0	0	0	0	0	17	19-28	12
07:00	2	2	**18**	**25**	2	0	0	0	0	0	0	0	0	0	**49**	22-31	36
08:00	2	3	16	12	4	**2**	0	0	0	0	0	0	0	0	39	21-30	24
09:00	**3**	5	16	15	1	0	0	0	0	0	0	0	0	0	40	20-29	25
10:00	2	4	10	18	**5**	0	0	**1**	0	0	0	0	0	**1**	41	22-31	24
11:00	2	**7**	18	16	3	1	0	0	0	0	0	0	0	0	47	21-30	28
12 PM	3	10	28	**18**	**7**	1	0	0	0	**1**	0	0	0	0	**68**	19-28	39
13:00	5	**16**	24	15	2	0	0	0	0	0	0	0	0	0	62	19-28	33
14:00	2	15	22	11	1	0	0	0	0	0	**1**	0	0	**1**	53	18-27	30
15:00	**8**	4	**36**	15	5	0	0	0	0	0	0	0	0	0	68	20-29	42
16:00	2	8	23	17	5	1	0	0	0	0	0	0	0	0	56	20-29	34
17:00	7	9	24	18	3	0	0	0	0	0	0	0	0	0	61	20-29	33
18:00	2	5	21	12	4	**6**	0	0	0	0	0	0	0	0	50	20-29	28
19:00	1	12	9	9	0	1	0	0	0	0	0	0	0	0	32	15-24	17
20:00	0	0	11	8	0	0	0	0	0	0	0	0	0	0	19	20-29	17
21:00	1	2	2	7	0	1	0	0	0	0	0	0	0	0	13	23-32	7
22:00	0	0	3	2	1	0	0	0	0	0	0	0	0	0	6	21-30	5
23:00	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3	15-24	2
Total	45	105	297	225	45	13	0	1	0	1	1	0	0	2	735		
Percent	6.1%	14.3%	40.4%	30.6%	6.1%	1.8%	0.0%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.3%			
AM Peak	09:00	11:00	07:00	07:00	10:00	08:00		10:00						10:00	07:00		
Vol.	3	7	18	25	5	2		1						1	49		
PM Peak	15:00	13:00	15:00	12:00	12:00	18:00				12:00	14:00			14:00	12:00		
Vol.	8	16	36	18	7	6				1	1			1	68		

Birchwood
(S of Western)
Speed

Site Code: 000000000000
Station ID:

Latitude: 0' 0.0000 South

A to B, B to A

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
10/15/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	8-17	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	19-28	2
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
06:00	0	3	9	5	1	0	0	0	0	0	0	0	0	0	18	20-29	12
07:00	2	4	21	9	2	**1**	0	0	0	0	0	0	0	0	39	19-28	26
08:00	2	3	17	7	**3**	0	**1**	0	0	0	0	0	0	0	33	20-29	21
09:00	2	**10**	**28**	**12**	2	0	0	0	0	0	0	0	0	0	**54**	18-27	35
10:00	1	7	12	5	3	0	0	0	0	0	0	0	0	0	28	17-26	16
11:00	**3**	2	16	10	3	1	0	0	0	0	0	0	0	0	35	21-30	21
12 PM	**6**	**8**	**27**	**17**	**4**	0	0	0	0	0	0	0	0	0	**62**	20-29	36
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	17	38	131	67	18	2	1	0	0	0	0	0	0	0	274		
Percent	6.2%	13.9%	47.8%	24.5%	6.6%	0.7%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	09:00	09:00	09:00	08:00	07:00	08:00								09:00		
Vol.	3	10	28	12	3	1	1								54		
PM Peak	12:00	12:00	12:00	12:00	12:00										12:00		
Vol.	6	8	27	17	4										62		
Total	323	652	1937	1381	365	68	4	1	1	2	2	1	0	7	4744		
Percent	6.8%	13.7%	40.8%	29.1%	7.7%	1.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%			

15th Percentile :	13 MPH
50th Percentile :	22 MPH
85th Percentile :	28 MPH
95th Percentile :	32 MPH

Stats		
	10 MPH Pace Speed :	20-29 MPH
	Number in Pace :	2742
	Percent in Pace :	57.9%
	Number of Vehicles > 25 MPH :	1832
	Percent of Vehicles > 25 MPH :	38.7%
	Mean Speed(Average) :	22 MPH

Birchwood
(S of Western)
Classification

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
10/08/13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	1	24	12	1	3	0	0	0	0	0	0	0	1	2	44
12 PM	0	30	14	0	8	0	0	0	0	0	0	0	0	2	54
13:00	0	26	15	0	2	1	0	1	0	0	0	0	0	0	45
14:00	0	15	22	2	6	1	0	3	0	0	0	0	0	1	50
15:00	0	21	20	0	6	1	0	1	0	0	0	0	0	1	50
16:00	0	29	42	0	6	0	0	1	0	0	0	0	0	2	80
17:00	0	28	29	0	1	0	0	1	0	0	0	0	0	7	66
18:00	0	13	21	0	3	0	0	0	0	0	0	0	0	2	39
19:00	0	11	15	0	3	0	0	0	0	0	0	0	0	3	32
20:00	0	8	16	0	3	1	0	0	0	0	0	0	0	2	30
21:00	0	7	8	0	1	0	0	0	0	0	0	0	0	2	18
22:00	0	4	3	0	1	0	0	1	0	0	0	0	0	0	9
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Total	1	216	217	3	43	4	0	8	0	0	0	0	1	25	518
Percent	0.2%	41.7%	41.9%	0.6%	8.3%	0.8%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.2%	4.8%	
AM Peak	11:00	11:00	11:00	11:00	11:00								11:00	11:00	
Vol.	1	24	12	1	3								1	2	
PM Peak		12:00	16:00	14:00	12:00	13:00		14:00						17:00	
Vol.		30	42	2	8	1		3						7	

Birchwood
(S of Western)
Classification

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
10/09/13	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
06:00	0	5	8	1	0	0	0	0	0	0	0	0	0	0	14
07:00	0	27	6	0	2	1	0	0	0	0	0	0	0	2	38
08:00	0	25	10	0	2	1	0	0	0	0	0	0	0	1	39
09:00	0	16	10	0	3	0	0	0	0	0	0	0	0	5	34
10:00	0	23	18	0	4	0	1	1	0	0	0	0	1	6	54
11:00	0	29	15	0	3	0	0	1	0	0	0	0	0	0	48
12 PM	0	27	23	0	6	1	0	0	0	0	0	0	0	6	63
13:00	0	30	22	0	3	0	0	1	0	0	0	0	0	8	64
14:00	1	20	26	1	3	0	0	0	0	0	0	0	0	3	54
15:00	1	27	21	0	6	0	0	2	0	0	0	0	0	5	62
16:00	0	23	22	0	3	1	0	0	0	0	0	0	0	1	50
17:00	0	23	34	0	5	0	0	0	0	0	0	0	0	2	64
18:00	1	29	16	0	2	0	0	1	0	0	0	0	0	6	55
19:00	1	11	13	0	1	1	0	0	0	0	0	0	0	2	29
20:00	0	7	9	0	1	1	0	0	0	0	0	0	0	2	20
21:00	0	7	7	0	1	0	0	0	0	0	0	0	0	1	16
22:00	0	3	4	0	0	0	0	0	0	0	0	0	0	0	7
23:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
Total	4	337	270	2	45	6	1	6	0	0	0	0	1	52	724
Percent	0.6%	46.5%	37.3%	0.3%	6.2%	0.8%	0.1%	0.8%	0.0%	0.0%	0.0%	0.0%	0.1%	7.2%	
AM Peak		11:00	10:00	06:00	10:00	07:00	10:00	10:00					10:00	10:00	
Vol.		29	18	1	4	1	1	1					1	6	
PM Peak	14:00	13:00	17:00	14:00	12:00	12:00		15:00						13:00	
Vol.	1	30	34	1	6	1		2						8	

Birchwood
(S of Western)
Classification

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
10/10/13	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
04:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
05:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	11	5	0	0	2	0	0	0	0	0	0	0	0	18
07:00	0	25	12	1	1	0	0	1	0	0	0	0	0	2	42
08:00	0	28	5	0	2	2	0	0	0	0	0	0	0	4	41
09:00	0	24	16	0	1	0	0	0	0	0	0	0	0	3	44
10:00	0	16	16	0	1	0	0	1	0	0	0	0	0	4	38
11:00	1	19	12	0	5	1	0	0	0	0	0	0	0	7	45
12 PM	0	21	19	1	5	1	0	1	0	0	0	0	0	1	49
13:00	0	27	17	0	2	0	0	1	0	0	0	0	0	2	49
14:00	1	25	20	1	2	0	0	2	0	0	0	0	0	6	57
15:00	1	28	21	1	4	0	0	0	0	0	1	0	0	2	58
16:00	1	26	23	1	2	0	0	1	0	0	0	0	0	5	59
17:00	0	26	26	0	4	0	0	0	0	0	0	0	0	6	62
18:00	0	16	18	0	5	0	0	1	0	0	0	0	0	4	44
19:00	0	15	11	0	0	1	0	0	0	0	0	0	0	4	31
20:00	0	9	15	0	2	2	0	0	0	0	0	0	0	1	29
21:00	0	4	8	0	1	0	0	1	0	0	0	0	0	1	15
22:00	0	1	6	0	0	0	0	0	0	0	0	0	0	0	7
23:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	5	327	253	5	37	9	0	9	0	0	1	0	0	54	700
Percent	0.7%	46.7%	36.1%	0.7%	5.3%	1.3%	0.0%	1.3%	0.0%	0.0%	0.1%	0.0%	0.0%	7.7%	
AM Peak	05:00	08:00	09:00	07:00	11:00	06:00		07:00						11:00	
Vol.	1	28	16	1	5	2		1						7	
PM Peak	14:00	15:00	17:00	12:00	12:00	20:00		14:00			15:00			14:00	
Vol.	1	28	26	1	5	2		2			1			6	

Birchwood
(S of Western)
Classification

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
10/11/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	8	4	1	0	0	0	0	0	0	0	0	0	0	13
07:00	0	28	11	0	1	0	0	0	0	0	0	0	0	1	41
08:00	0	28	8	0	3	1	0	0	0	0	0	0	0	1	41
09:00	0	18	19	0	2	0	0	0	0	0	0	0	0	5	44
10:00	2	22	12	0	2	1	1	0	0	0	0	0	0	3	43
11:00	1	27	13	0	4	0	0	0	0	0	0	0	0	4	49
12 PM	1	18	12	0	2	0	0	0	0	0	0	0	0	7	40
13:00	0	25	19	0	5	0	0	1	0	0	0	0	0	5	55
14:00	0	23	13	2	1	0	0	3	0	0	1	0	0	9	52
15:00	0	31	21	0	5	0	0	0	0	0	0	0	0	4	61
16:00	0	26	29	0	2	1	0	1	0	0	0	0	0	5	64
17:00	0	24	15	0	6	0	0	1	0	0	0	0	0	0	46
18:00	0	17	20	0	0	0	0	1	0	0	0	0	0	6	44
19:00	0	8	16	0	1	0	0	0	0	0	0	0	0	1	26
20:00	0	7	11	0	0	1	0	0	0	0	0	0	0	0	19
21:00	0	5	11	0	1	0	0	0	0	0	0	0	0	1	18
22:00	0	4	2	0	0	0	0	0	0	0	0	0	0	0	6
23:00	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5
Total	4	324	240	3	36	4	1	7	0	0	1	0	0	53	673
Percent	0.6%	48.1%	35.7%	0.4%	5.3%	0.6%	0.1%	1.0%	0.0%	0.0%	0.1%	0.0%	0.0%	7.9%	
AM Peak	10:00	07:00	09:00	06:00	11:00	08:00	10:00							09:00	
Vol.	2	28	19	1	4	1	1							5	
PM Peak	12:00	15:00	16:00	14:00	17:00	16:00		14:00			14:00			14:00	
Vol.	1	31	29	2	6	1		3			1			9	

Birchwood
(S of Western)
Classification

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
10/12/13	0	1	4	0	0	1	0	0	0	0	0	0	0	0	6
01:00	0	1	2	0	0	0	0	0	0	0	0	0	0	2	5
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2
05:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
06:00	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
07:00	1	12	3	0	1	0	0	0	0	0	0	0	0	2	19
08:00	0	13	6	0	0	0	0	0	0	0	0	0	0	1	20
09:00	0	20	11	0	1	0	0	0	0	0	0	0	0	2	34
10:00	0	24	7	0	1	0	0	0	0	0	0	0	0	9	41
11:00	1	19	10	0	2	0	0	0	0	0	0	0	0	9	41
12 PM	0	23	17	0	2	1	0	0	0	0	0	0	0	10	53
13:00	0	24	28	1	2	0	0	1	0	0	0	0	0	4	60
14:00	1	37	15	0	0	1	0	0	0	0	0	0	0	6	60
15:00	1	35	17	0	1	0	0	1	0	0	1	0	0	3	59
16:00	4	28	14	0	1	1	0	0	0	0	0	0	0	4	52
17:00	0	21	7	0	0	0	0	0	0	0	0	0	0	5	33
18:00	1	9	15	0	1	2	0	0	0	0	0	0	0	5	33
19:00	0	10	9	0	1	0	0	0	0	0	0	0	0	3	23
20:00	0	6	5	0	1	1	0	0	0	0	0	0	0	0	13
21:00	0	5	7	0	0	0	0	0	0	0	0	0	0	2	14
22:00	0	2	5	0	1	0	0	0	0	0	0	0	0	1	9
23:00	0	2	2	0	0	0	0	0	0	0	0	0	0	2	6
Total	9	303	187	1	15	7	0	2	0	0	1	0	0	71	596
Percent	1.5%	50.8%	31.4%	0.2%	2.5%	1.2%	0.0%	0.3%	0.0%	0.0%	0.2%	0.0%	0.0%	11.9%	
AM Peak	07:00	10:00	09:00		11:00	00:00								10:00	
Vol.	1	24	11		2	1								9	
PM Peak	16:00	14:00	13:00	13:00	12:00	18:00		13:00			15:00			12:00	
Vol.	4	37	28	1	2	2		1			1			10	

Birchwood
(S of Western)
Classification

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
10/13/13	0	1	4	0	1	0	0	0	0	0	0	0	0	0	6
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	3	0	0	0	0	0	0	0	0	0	0	0	1	4
07:00	0	6	2	0	0	0	0	0	0	0	0	0	0	0	8
08:00	0	8	6	0	2	1	0	0	0	0	0	0	0	0	17
09:00	0	18	5	0	1	0	0	0	0	0	0	0	0	1	25
10:00	0	25	5	0	1	0	0	0	0	0	0	0	0	3	34
11:00	0	17	21	0	0	0	0	1	0	0	0	0	0	3	42
12 PM	1	23	17	0	3	0	0	0	0	0	0	0	0	7	51
13:00	0	26	18	1	3	1	0	0	0	0	0	0	0	7	56
14:00	0	31	12	0	2	0	0	0	0	0	0	0	0	9	54
15:00	1	18	20	0	1	1	0	0	0	0	0	0	0	2	43
16:00	0	16	17	0	2	0	0	0	0	0	0	0	0	5	40
17:00	0	24	16	0	1	0	0	0	0	0	0	0	0	5	46
18:00	1	18	21	0	0	0	0	0	0	0	0	0	0	1	41
19:00	0	9	6	0	1	0	0	0	0	0	0	0	0	2	18
20:00	0	10	7	0	0	0	0	0	0	0	0	0	0	3	20
21:00	0	5	4	0	1	0	0	0	0	0	0	0	0	0	10
22:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
23:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	3	264	183	1	19	3	0	1	0	0	0	0	0	50	524
Percent	0.6%	50.4%	34.9%	0.2%	3.6%	0.6%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	9.5%	
AM Peak		10:00	11:00		08:00	08:00		11:00						10:00	
Vol.		25	21		2	1		1						3	
PM Peak	12:00	14:00	18:00	13:00	12:00	13:00								14:00	
Vol.	1	31	21	1	3	1								9	

Birchwood
(S of Western)
Classification

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
10/14/13	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	1	1	0	0	0	0	0	0	0	0	0	0	1	3
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	2	0	0	0	1	0	0	0	0	0	0	0	0	3
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2
06:00	0	8	6	1	1	1	0	0	0	0	0	0	0	0	17
07:00	2	33	4	0	2	0	0	1	0	0	0	0	0	7	49
08:00	0	22	11	0	0	0	0	0	0	0	0	0	0	6	39
09:00	0	29	6	0	2	0	0	0	0	0	0	0	0	3	40
10:00	0	16	15	0	2	1	0	0	0	0	0	0	0	7	41
11:00	0	23	13	0	2	0	0	1	0	0	0	0	0	8	47
12 PM	0	29	21	1	4	2	0	0	0	0	0	0	0	11	68
13:00	1	24	24	0	2	1	0	0	0	0	0	0	0	10	62
14:00	0	27	20	1	1	1	0	1	0	0	0	0	0	2	53
15:00	0	38	20	0	2	0	0	0	0	0	0	0	0	8	68
16:00	1	28	19	0	3	1	0	0	1	0	0	0	0	3	56
17:00	0	27	24	0	2	1	0	0	0	0	0	0	0	7	61
18:00	0	24	18	1	5	0	0	0	0	0	0	0	0	2	50
19:00	0	10	14	0	2	0	0	0	0	0	0	0	0	6	32
20:00	1	9	5	0	1	0	0	0	0	0	0	0	0	3	19
21:00	1	3	9	0	0	0	0	0	0	0	0	0	0	0	13
22:00	0	5	0	0	0	0	0	0	0	0	0	0	0	1	6
23:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	6	362	232	4	32	9	0	3	1	0	0	0	0	86	735
Percent	0.8%	49.3%	31.6%	0.5%	4.4%	1.2%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	11.7%	
AM Peak	07:00	07:00	10:00	06:00	07:00	04:00		07:00						11:00	
Vol.	2	33	15	1	2	1		1						8	
PM Peak	13:00	15:00	13:00	12:00	18:00	12:00		14:00	16:00					12:00	
Vol.	1	38	24	1	5	2		1	1					11	

Birchwood
(S of Western)
Classification

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
10/15/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	12	5	1	0	0	0	0	0	0	0	0	0	0	18
07:00	2	27	7	0	2	0	0	0	0	0	0	0	0	1	39
08:00	0	20	8	0	1	0	0	0	0	0	0	0	0	4	33
09:00	0	29	15	0	4	0	0	1	0	0	0	0	0	5	54
10:00	0	12	10	0	3	0	0	0	0	0	0	0	0	3	28
11:00	0	15	15	0	2	0	0	0	0	0	0	0	0	3	35
12 PM	0	28	20	0	3	1	0	1	0	0	0	0	0	9	62
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	2	145	82	1	15	1	0	2	0	0	0	0	0	26	274
Percent	0.7%	52.9%	29.9%	0.4%	5.5%	0.4%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	9.5%	
AM Peak	07:00	09:00	09:00	06:00	09:00			09:00						09:00	
Vol.	2	29	15	1	4			1						5	
PM Peak		12:00	12:00		12:00	12:00		12:00						12:00	
Vol.		28	20		3	1		1						9	
Grand Total	34	2278	1664	20	242	43	2	38	1	0	3	0	2	417	4744
Percent	0.7%	48.0%	35.1%	0.4%	5.1%	0.9%	0.0%	0.8%	0.0%	0.0%	0.1%	0.0%	0.0%	8.8%	