

JANUARY 2019



**WIM #30
MN 61, MP 16.3
TWO HARBORS,
MN**

**MONTHLY
REPORT**



Your Destination...Our Priority



WIM Site Location

WIM #30 is located on MN 61 near Two Harbors in Lake county.

System Operation

WIM #30 was operational for the entire month of January 2019. Volume was computed using all monthly data.

System Calibration

WIM #30 was most recently calibrated on 2017-01-20. Table 1 summarizes the front axle weights of class 9s by lane ¹. Figure 1 shows the distribution of gross vehicle weights (GVW) in Class 9 vehicles at this site for the last 12 months of operation ². Figure 2 depicts the average front axle weight as a percent difference from the first full month following calibration.

Summary of Volume Statistics

Total Monthly Volume: 203082 | Passenger Vehicles: 190300 | Heavy Commercial Vehicles: 12782

Monthly Average Daily Traffic (MADT): 6551 | Monthly Heavy Commercial Average Daily Traffic (MHCADT): 412

See Table 2 for vehicle class breakdown

Passenger Vehicles (PVs) and Heavy Commercial Vehicles (HCVs)

Volume trends. NB vehicles typically reached highest volume levels on Fridays, with lowest volumes reported on Sundays. SB vehicles typically reached highest volume levels on Fridays, with lowest volumes reported on Tuesdays (see Figure 3 and 4).

Passenger Vehicles (PVs)

Volume trends. On an average 24-hour day (see Figure 5), NB PVs generally reached peak volume levels between 03 PM and 05 PM. Similarly, SB PVs peaked in volume between 12 PM and 04 PM

Heavy Commercial Vehicles (HCVs)

Volume trends. On an average 24-hour day, HCVs traveling NB typically reached peak volume levels between 03 PM and 05 PM, while volume going SB peaked between 12 PM and 04 PM. See Figure 6. Out of all HCVs, the two highest traffic volumes were generated by Class 5's and Class 9's.

Overweight HCVs

Volume trends. Of a total of 12782 HCVs, 2116 of them were overweight ³. These overweight HCVs contributed to 1.1% of total monthly volume, and 16.7% of total monthly

HCV volume. NB overweight vehicles typically reached highest numbers on Thursdays, with lowest volumes reported on Sundays. SB overweight vehicles tended to reach highest volumes on Tuesdays, with lowest volumes reported on Sundays. See Figure 3 .

The top two overweight violators by class were the class 9 and class 10 vehicles . Overall, overweight vehicles tended to reach peak volume concentrations during typical business hours, with 55.9% of all overweight vehicles traveling NB this month (see Figure 7 & 8). Figure 9 shows the number of vehicles exceeding 88,000 pounds that crossed the WIM over the last 12 months. The highest number of 88,000+ vehicles within the last 12 months occurred in March.

WIMs are currently used as a screening tool for weight enforcement, and it is estimated that the WIM scales can measure gross vehicle weights (GVW) within 90-95% of static weight scale measurements. Due to the possibility of measurement error, vehicles exceeding 10% of their legal weight limits (or 1.1 times their legal weight limits) are considered overweight in this report ⁴.

Using normal load limits ,583 NB vehicles exceeded 88,000 pounds (365 vehicles were Class 9's; 185 vehicles were Class 10's). Of vehicles traveling SB,

479 NB vehicles exceeded 88,000 pounds (441 vehicles were Class 10's; 26 vehicles were Class 9's). Refer to Table 3 for the Top 10 highest recorded GVWs from Classes 9 and 10 from January 2019.

Loaded vs. Unloaded HCVs. Figure 10 shows the GVW distributions of Class 9s and 10s in January 2019. Data suggests that there were greater numbers of fully_loaded Class 9's than empty Class 9's traveling NB, while there were more fully_loaded Class 9's than empty traveling SB. Data also suggests that there were more empty Class 10's than fully_loaded traveling in the NB direction. In the SB direction, there were more fully_loaded class 10 vehicles.

Freight Totals. A total of 110162 tons of freight was recorded to have crossed the WIM. More freight was shipped NB (52.4%) than SB (47.6%). See Table 4 and Figure 11 for more freight information.

Infrastructure Considerations

Bridge. Bridges No. 9341 and No. 9339, which are respectively on the NB and SB side of MN 61, are approximately 1.5 miles north of WIM #30. Bridge No. 9333 (a box culvert) is approximately 1.8 miles south of WIM #30. WIM #30 recorded a total of 203082 vehicles with a combined GVW of 1417811 kips (1 kip = 1,000 pounds = 0.5 tons) in January 2019. See Table 5 and Figures 12-13 for GVW information by vehicle class and lane.

Pavement Design. A total of 11772 equivalent single axle loads (ESALs) passed over the pavement at this site. Approximately 57.3% of all ESALs were recorded NB while 42.7% was observed SB. In particular, 51% of all ESALs were generated by the Class 9's (Class 9's were also responsible for generating 17% of total GVW observed this month). See Table 6 and Figures 14-15 for more information on ESALs (Table 6 also provides flexible ESAL factors for each vehicle class using a terminal serviceability of 2.5 and a structural number of 5).

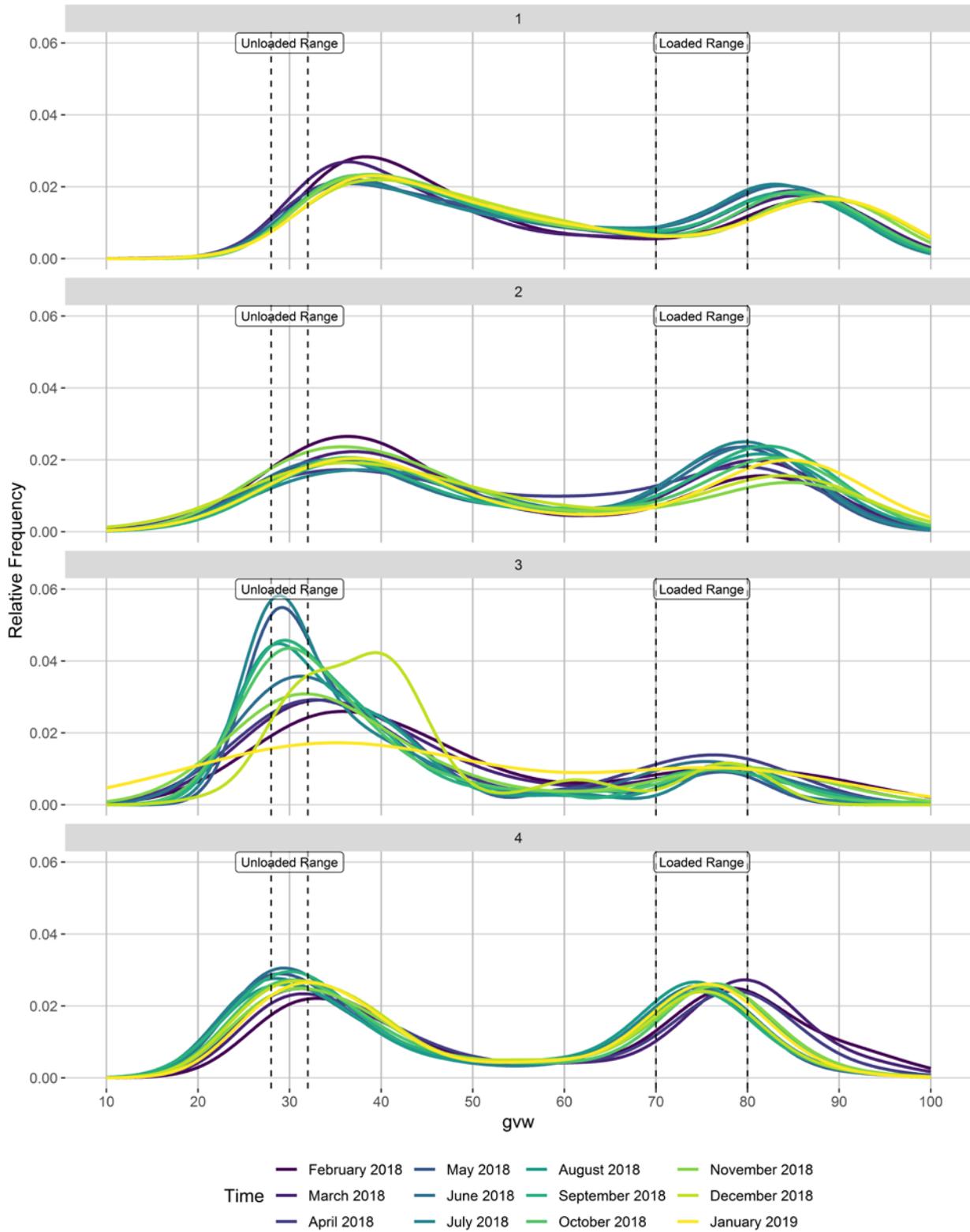
WIM monthly reports can be found at: <http://www.dot.state.mn.us/traffic/data/reports-monthly-wim.html>

MnDOT's vehicle classification scheme and vehicle class groupings for traffic forecasting can be found at: <http://www.dot.state.mn.us/traffic/data/data-products.html#weight>

- ¹ Front axle weights of Class 9s are monitored on a monthly basis to assure performance between calibrations. The current goal of the WIM scale calibration is to have each individual axle weight stay within a range of ±9% of baseline calibration values
- ² Previous WIM research indicates that unloaded Class 9s typically weigh 28-32 kips, while loaded Class 9s generally fall in the 70-80 kip range. More recent data from several WIM sites suggests that the unloaded Class 9 range may have moved a little higher over time (due to increased presence of sleeper cabs, etc.), although these ranges are also thought to be site-specific.
- ³ An HCV is considered overweight during normal load limits in this report if they satisfy any of the following 1) exceed a gross vehicle weight (GVW) of 80,000 pounds, 2) exceed any of the legal weight maximums on any axle configurations (legal maximums are: single axle = 20,000 pounds; tandem axles spaced 8' or less = 34,000 pounds; tridem axles spaced 9' or less = 43,000 pounds; quad axles spaced 13' or less = 51,000 pounds). Monthly reports use this standard regardless of the time of year however, the Winter Load Increase (WLI) allows a 10% across the board increase in axle and gross vehicle weights without a permit on US, state routes, and county roads. An HCV is considered overweight during Winter Load Increase(WLI) if they satisfy any of the following 1) exceed a gross vehicle weight (GVW) of 88,000 pounds, 2) exceed any of the legal weight maximums on any axle configurations (legal maximums are: single axle = 22,000 pounds; tandem axles spaced 8' or less = 37,400 pounds; tridem axles spaced 9' or less = 47,300 pounds; quad axles spaced 13' or less = 56,100 pounds). An overweight HCV is only included once in the overweight volume calculations regardless of how many of the aforementioned conditions are violated. For information on MN weight limit dates and statutes: http://www.mrr.dot.state.mn.us/research/seasonal_load_limits/sllindex.asp
- ⁴ For example, Class 9s and 10s can legally have gross vehicle weights up to 80,000 lbs (with the exception of permitted loads) during normal load limits. To account for measurement error on the WIM scales, those exceeding 10% of the legal GVW maximum (or 1.1 times the legal GVW) should be screened (e.g., 80,000 lbs + 8,000 lbs = 88,000 lbs). Similarly during WLI vehicles weighing 96,800 lbs should be screened.

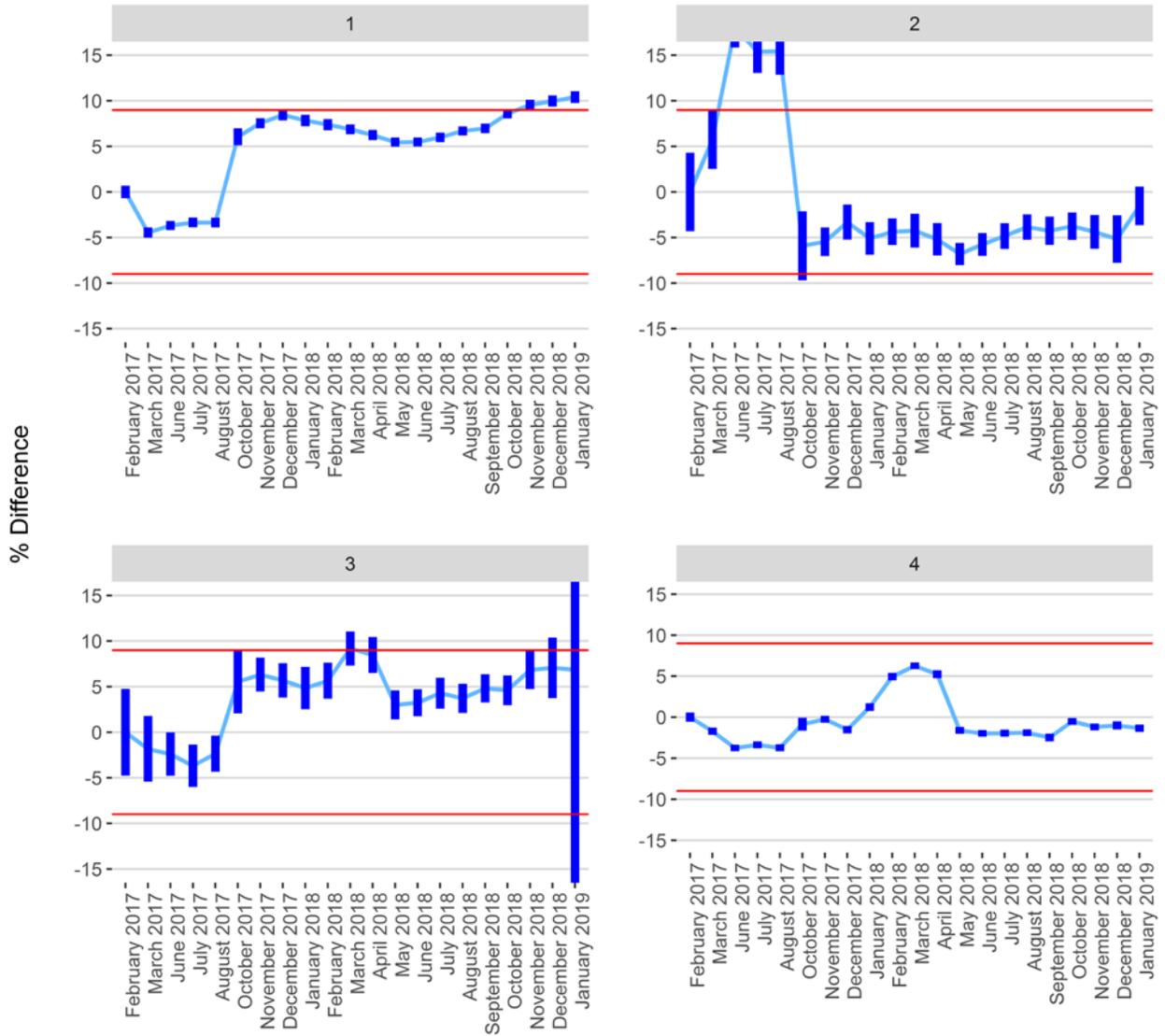
To request this document in an alternative format, please call 651-366-4718 or 1-800-657-3774, or email your request to ADArequest.dot@state.mn.us. Please request at least one week in advance.

Figure 1 - Monthly Class 9 GVW Histogram



Months that have not passed QC parameters are not displayed

Figure 2 - Percent Difference of Front Axle Weight from Last Calibration (+/- 95% CI)



Months that have not passed QC parameters are not displayed

Figure 2 - Average Vehicle Volume vs. Day of the Week

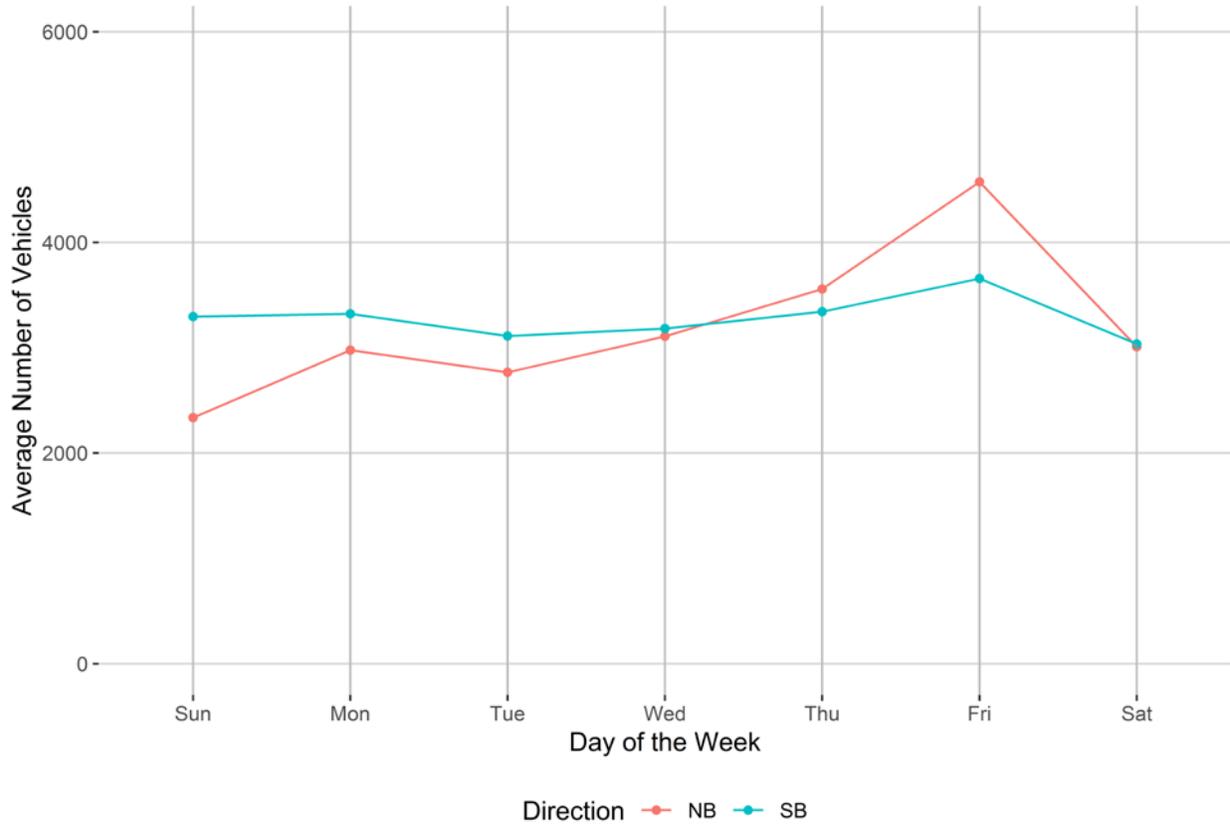


Figure 3 - Average Overweight Vehicle Volume vs. Day of the Week

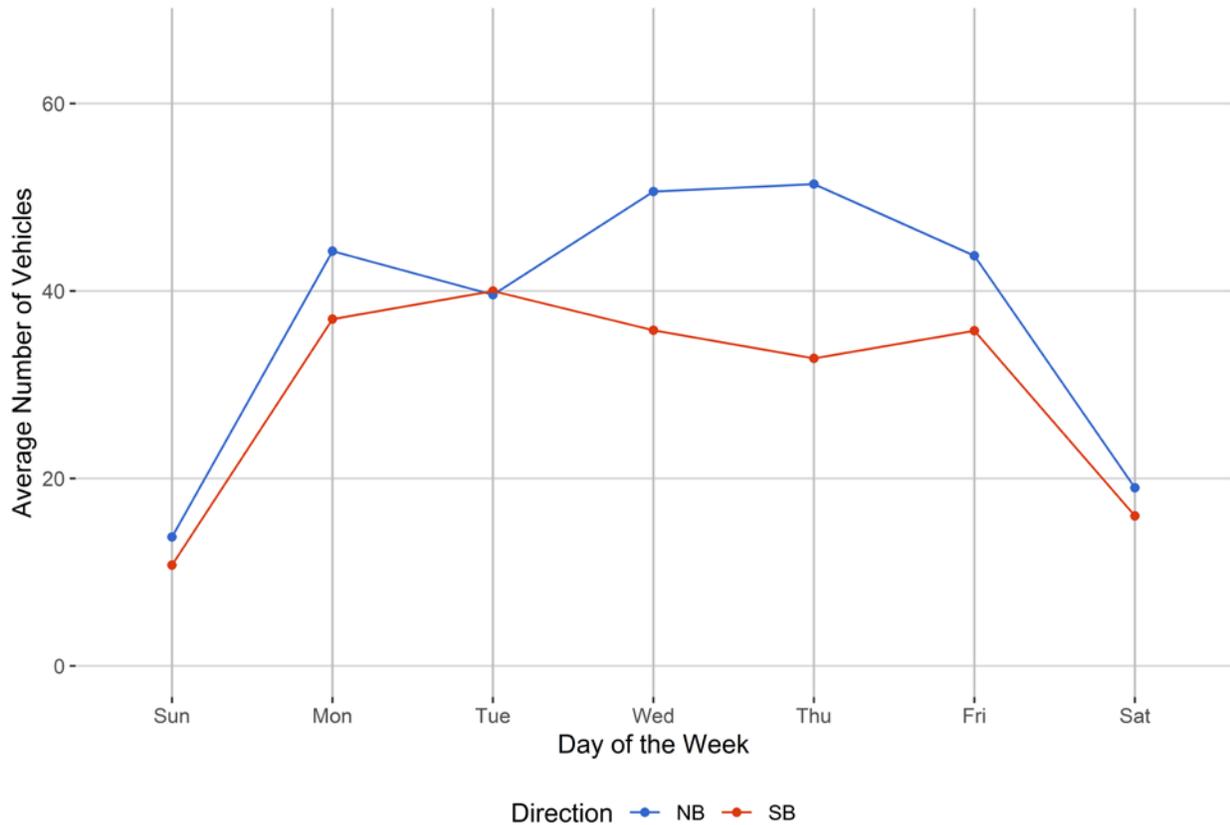


Figure 4 - Passenger Vehicles vs. Hour of the Day

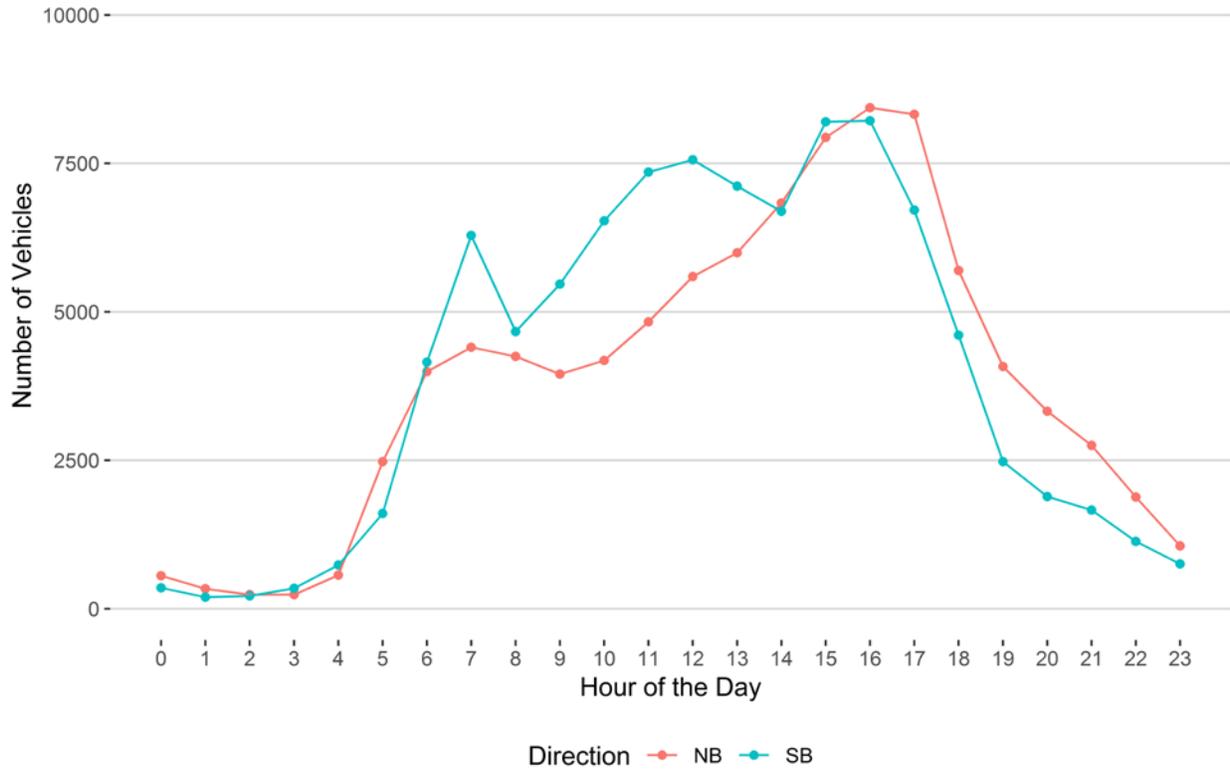


Figure 5 - Heavy Commercial Vehicles vs. Hour of the Day

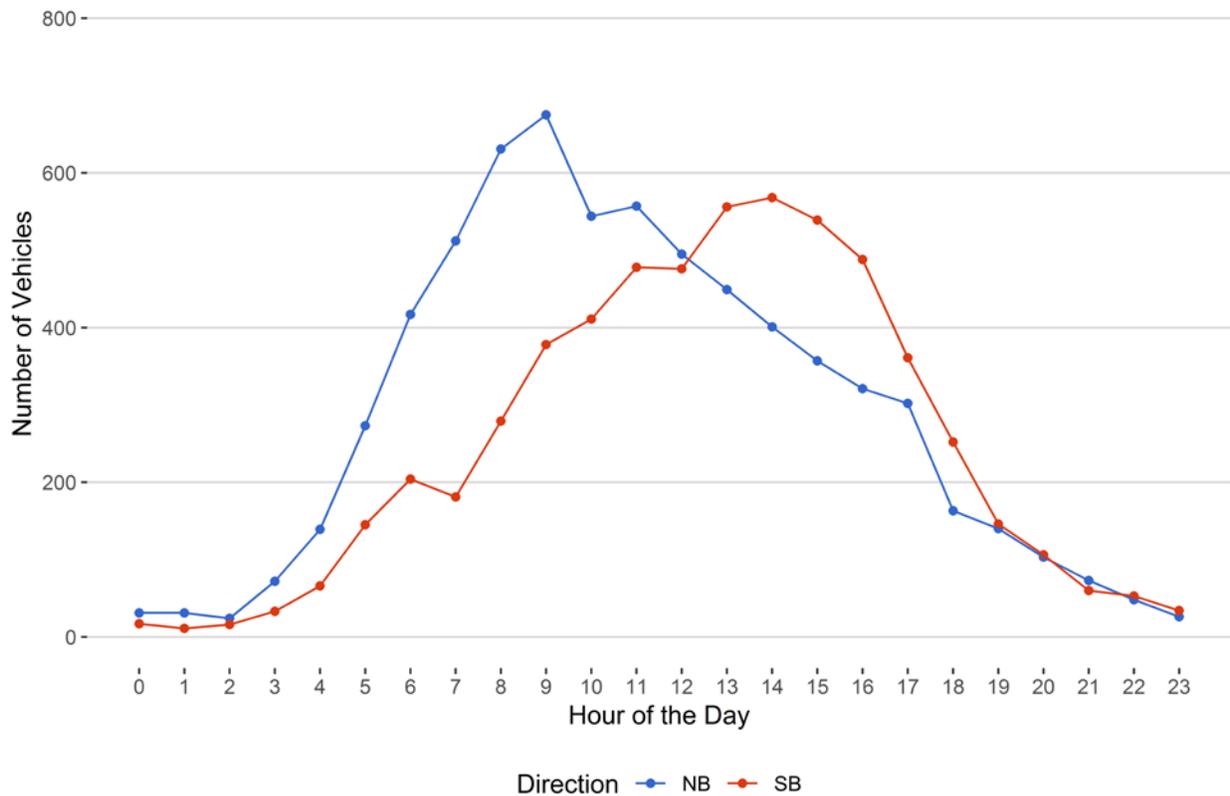


Figure 6 - Overweight Vehicles by Class vs. Hour of the Day

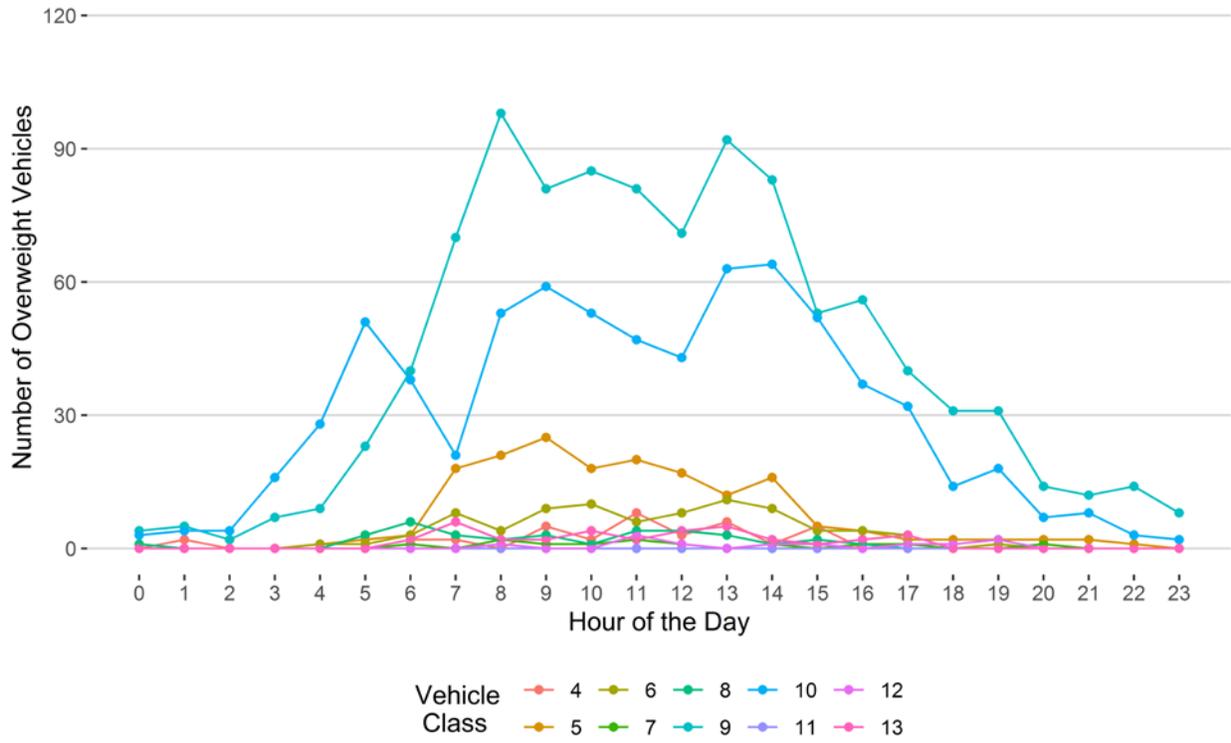


Figure 7 - Overweight Vehicles by Direction
Hour of the Day

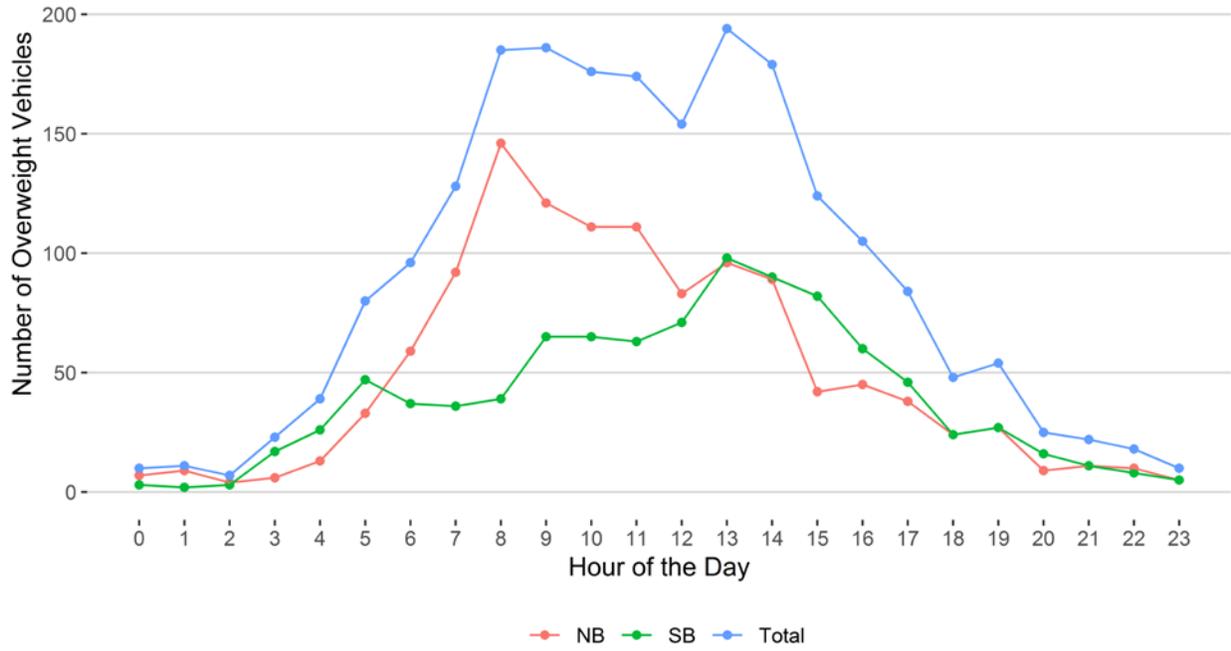
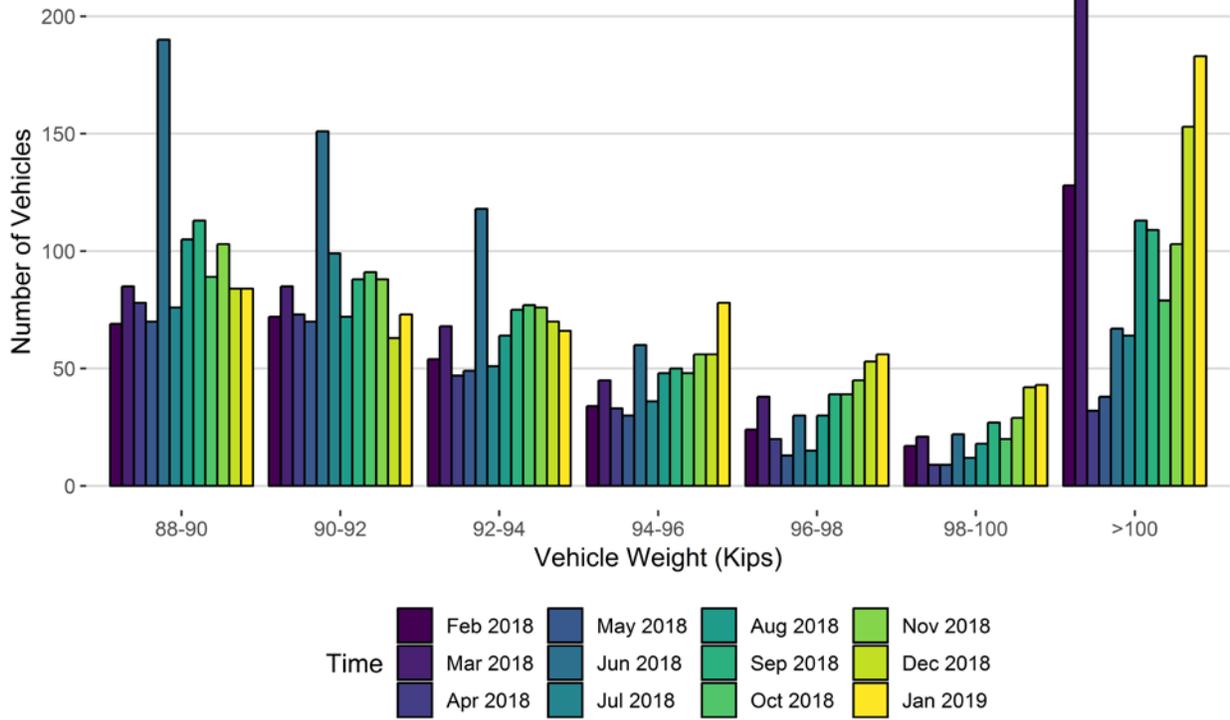
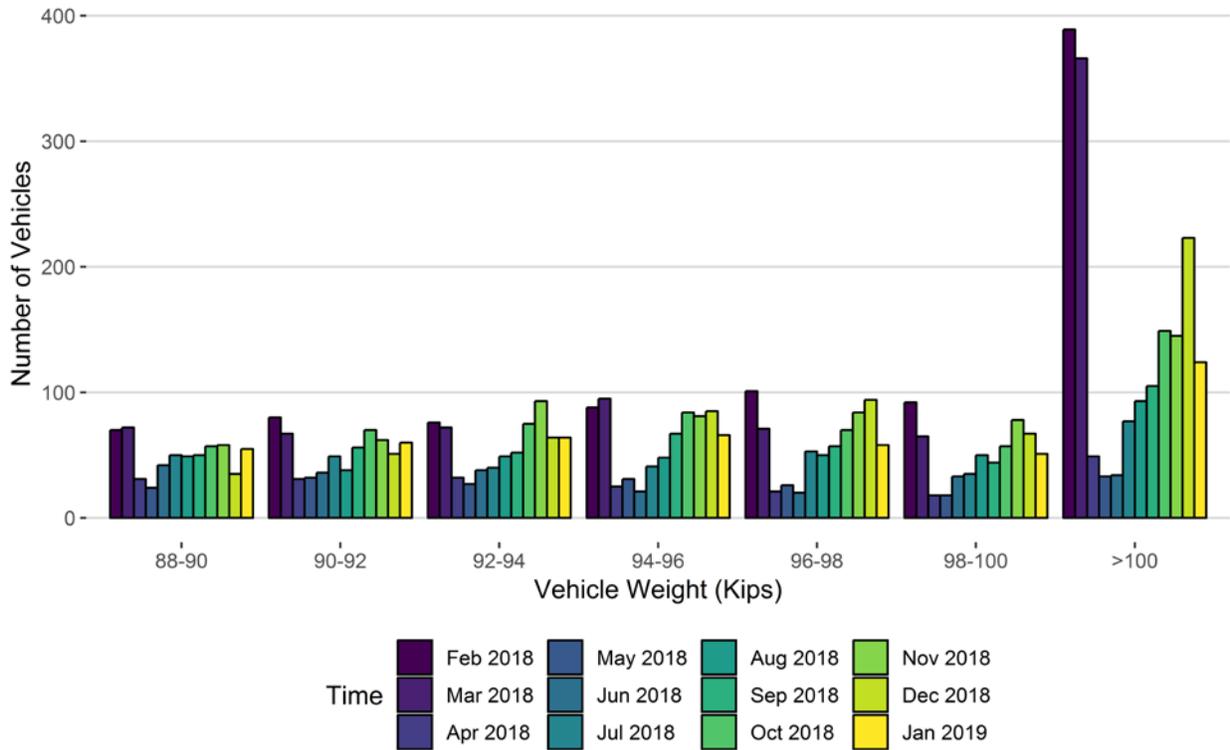


Figure 8 - Histogram of NB Vehicles Over 88,000 Pounds for Current Month



Vehicle Weights (Kips)	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018	Jan 2019
88-90	69	85	78	70	190	76	105	113	89	103	84	84
90-92	72	85	73	70	151	99	72	88	91	88	63	73
92-94	54	68	47	49	118	51	64	75	77	76	70	66
94-96	34	45	33	30	60	36	48	50	48	56	56	78
96-98	24	38	20	13	30	15	30	39	39	45	53	56
98-100	17	21	9	9	22	12	18	27	20	29	42	43
>100	128	208	32	38	67	64	113	109	79	103	153	183
Total	398	550	292	279	638	353	450	501	443	500	521	583

Figure 8 - Histogram of SB Vehicles Over 88,000 Pounds for Current Month



Vehicle Weights (Kips)	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018	Jan 2019
88-90	70	72	31	24	42	50	49	50	57	58	35	55
90-92	80	67	31	32	36	49	38	56	70	62	51	60
92-94	76	72	32	27	38	40	49	52	75	93	64	64
94-96	88	95	25	31	21	41	48	67	84	81	85	66
96-98	101	71	21	26	20	53	50	57	70	84	94	58
98-100	92	65	18	18	33	35	50	44	57	78	67	51
>100	389	366	49	33	34	77	93	105	149	145	223	124
Total	896	808	207	191	224	345	377	431	562	601	619	478

Figure 8 - Class 9's and 10's by Direction vs Gross Vehicle Weight

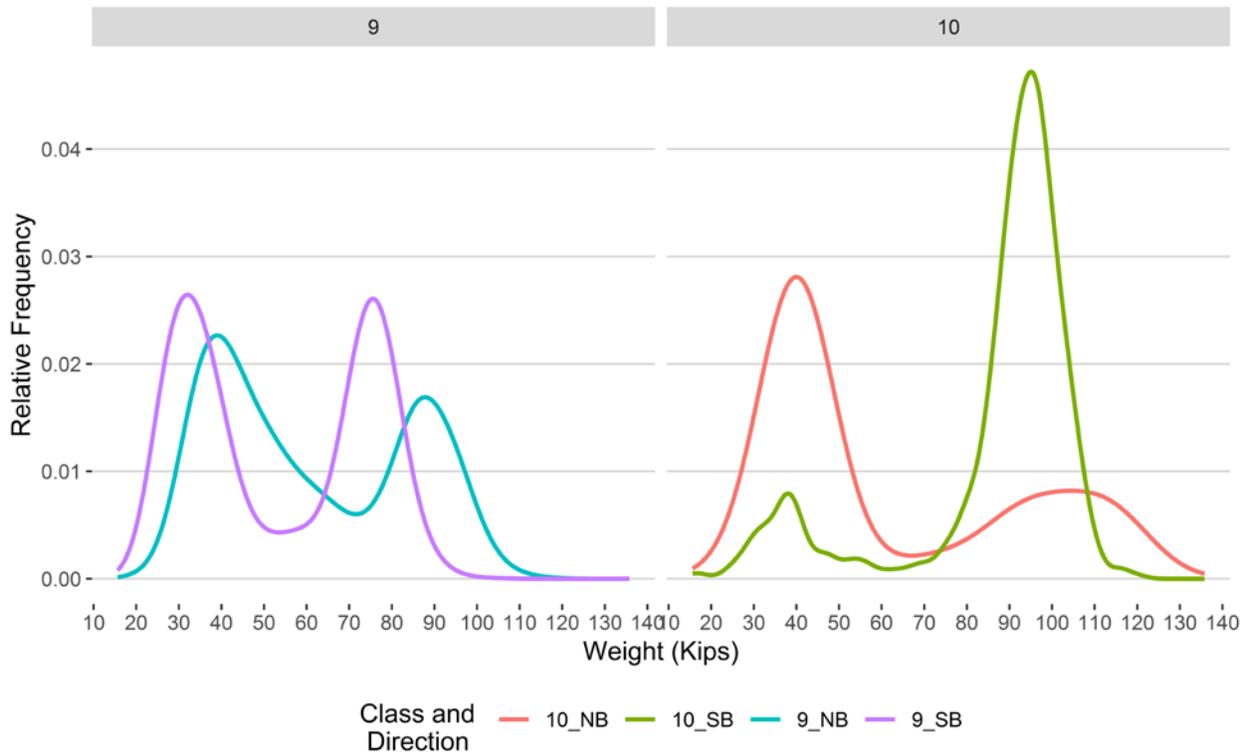


Figure 9 - Freight Percentage by Direction and Class

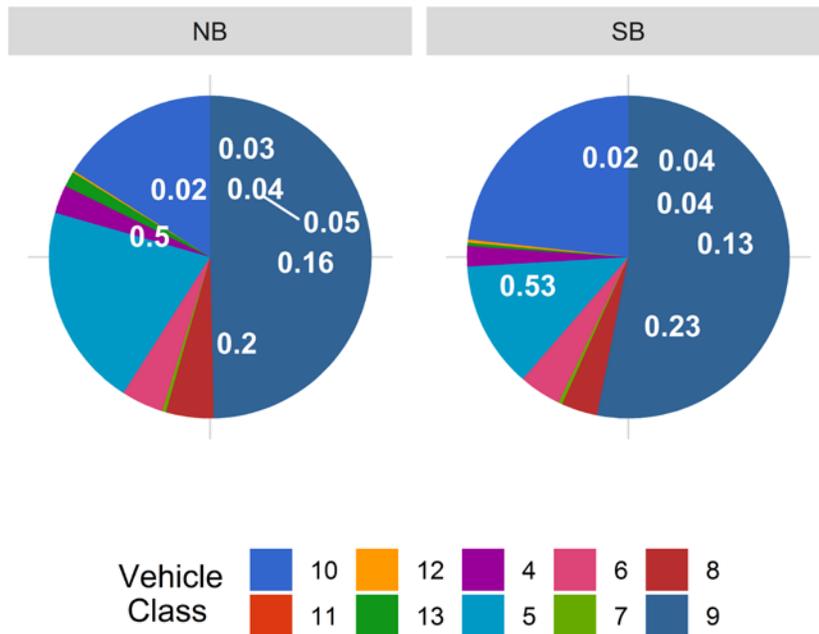


Figure 10 - Total Gross Vehicle Weight Percentage by Class and Lane

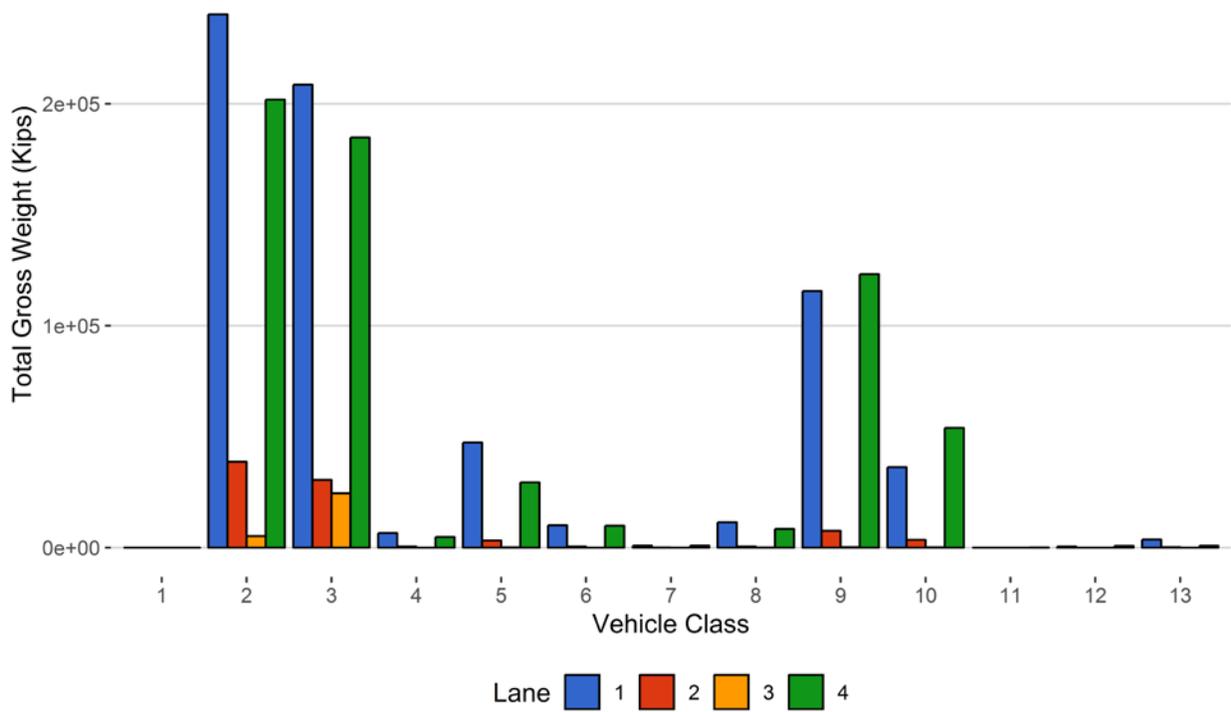


Figure 11 - Total Gross Vehicle Weight t

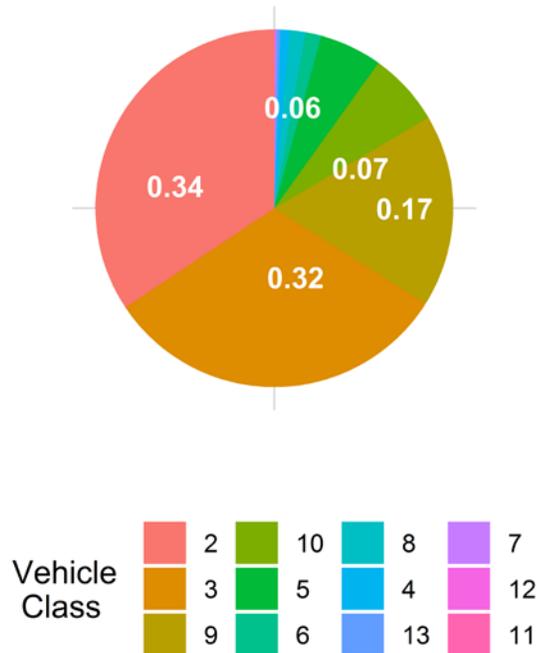


Figure 12 - Total ESALs by Class and Lane

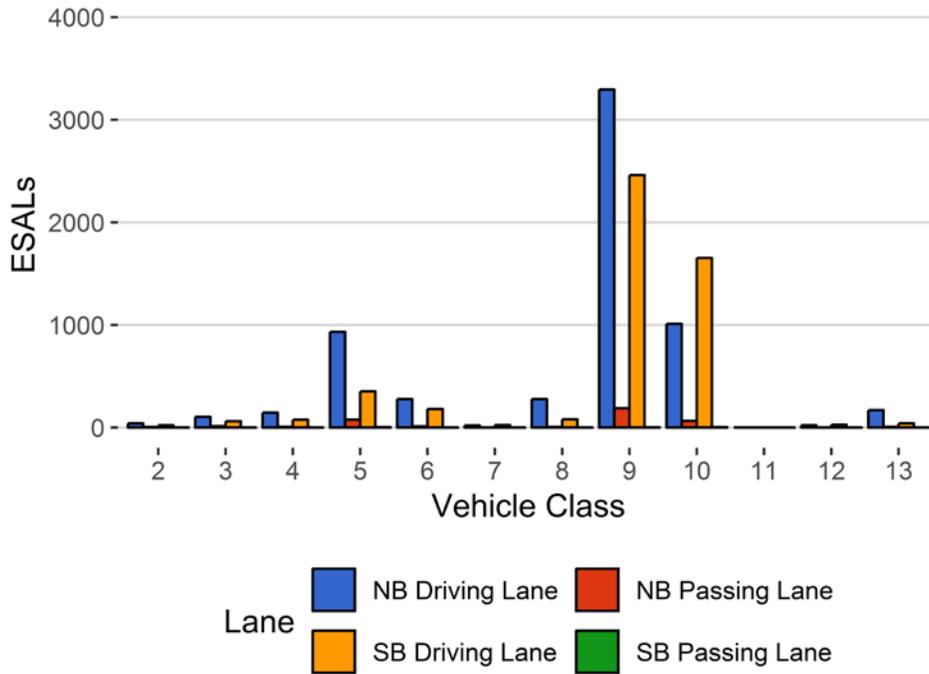


Figure 13 - ESALs by Class

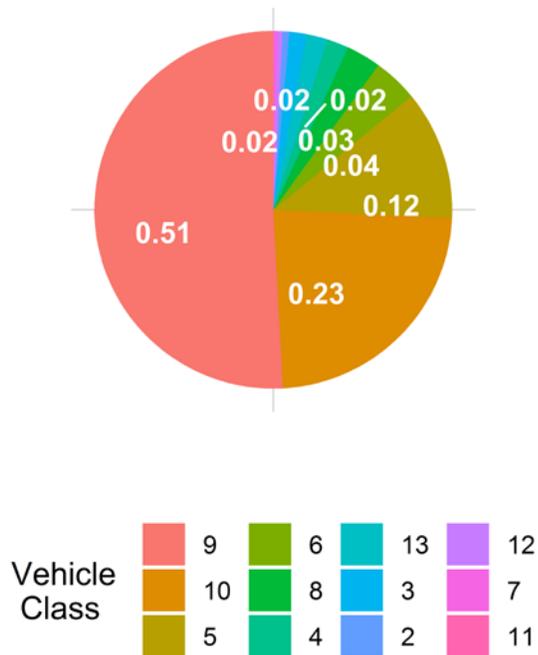


Table 1 Class 9 Front Axle Weight by Lane

<i>Month</i>	<i>Lane 1 (Kips)</i>	<i>Front Axle +/- 9%</i>	<i>Lane 2 (Kips)</i>	<i>Front Axle +/- 9%</i>	<i>Lane 3 (Kips)</i>	<i>Front Axle +/- 9%</i>	<i>Lane 4 (kips)</i>	<i>Front Axle +/- 9%</i>
February 2017	11.62	0.00	12.12	0.00	10.33	0.00	11.31	0.00
March 2017	11.10	-4.45	12.82	5.74	10.14	-1.83	11.11	-1.71
June 2017	11.19	-3.68	14.31	18.03	10.08	-2.40	10.88	-3.75
July 2017	11.23	-3.35	13.99	15.41	9.95	-3.68	10.93	-3.36
August 2017	11.23	-3.36	13.99	15.43	10.09	-2.35	10.89	-3.73
October 2017	12.32	6.06	11.40	-5.91	10.91	5.55	11.21	-0.85
November 2017	12.49	7.54	11.46	-5.46	10.99	6.32	11.28	-0.25
December 2017	12.60	8.45	11.72	-3.32	10.92	5.69	11.14	-1.52
January 2018	12.53	7.84	11.50	-5.10	10.83	4.84	11.45	1.24
February 2018	12.47	7.38	11.59	-4.37	10.92	5.64	11.87	4.95
March 2018	12.41	6.87	11.61	-4.25	11.28	9.19	12.01	6.26
April 2018	12.34	6.25	11.49	-5.19	11.21	8.47	11.90	5.24
May 2018	12.25	5.47	11.30	-6.81	10.64	3.00	11.12	-1.61
June 2018	12.25	5.47	11.42	-5.75	10.67	3.24	11.08	-1.97
July 2018	12.31	5.98	11.54	-4.83	10.78	4.29	11.09	-1.94
August 2018	12.39	6.70	11.65	-3.85	10.72	3.72	11.09	-1.88
September 2018	12.43	6.97	11.60	-4.27	10.83	4.82	11.03	-2.48
October 2018	12.61	8.58	11.67	-3.76	10.81	4.59	11.25	-0.51
November 2018	12.73	9.56	11.59	-4.38	11.04	6.84	11.17	-1.18
December 2018	12.77	9.97	11.49	-5.17	11.06	7.06	11.19	-1.00
January 2019	12.83	10.40	11.94	-1.52	11.04	6.85	11.16	-1.34

Table 2 Vehicle Classification Data

<i>Vehicle Class</i>	<i>Monthly Average Daily Volume</i>	<i>Monthly Total Volume</i>	<i>Monthly Total Volume Percentage</i>	<i>Monthly Total Overweight Vehicles</i>	<i>Monthly Total Overweight Percentage</i>
1	0	0	0	0	0
2	3756	116428	57.3	0	0
3	2383	73872	36.4	0	0
4	14	428	0.2	37	1.7
5	172	5332	2.6	174	8.2
6	19	575	0.3	83	3.9
7	1	36	0	12	0.6
8	23	708	0.3	34	1.6
9	141	4366	2.1	1010	47.7
10	41	1284	0.6	720	34
11	0	1	0	0	0
12	0	13	0	11	0.5
13	1	39	0	35	1.7
TOTAL	6551	203082	100	2116	100

Table 3 Top 10 Gross Vehicle Weight, Class 9 and 10

<i>Date</i>	<i>Day of Week</i>	<i>Time</i>	<i>Vehicle Class</i>	<i>Direction</i>	<i>Lane</i>	<i>GVW (lbs)</i>
2019-01-10	Thursday	08:20:26	10	NB	1	135.79
2019-01-19	Saturday	10:20:44	10	NB	1	125.5
2019-01-06	Sunday	05:39:14	10	NB	1	124.75
2019-01-24	Thursday	10:29:17	10	NB	1	124.58
2019-01-02	Wednesday	17:26:55	10	NB	1	123.74
2019-01-24	Thursday	14:30:44	10	NB	1	122.7
2019-01-01	Tuesday	18:25:01	10	NB	1	122.63
2019-01-02	Wednesday	00:43:15	10	NB	1	122.57
2019-01-28	Monday	14:13:02	10	NB	1	122.27
2019-01-23	Wednesday	14:29:31	10	NB	1	122.05

Table 4 Freight Summary

<i>Vehicle Class</i>	<i>Direction</i>	<i>Weight of Empty Vehicle (Kips)</i>	<i>Total Number of Vehicles</i>	<i>Number of Empty Vehicles</i>	<i>Percentage of Empty Vehicles</i>	<i>Total Weight of Vehicles with Freight (Kips)</i>	<i>Total Weight of Empty Vehicles (Kips)</i>	<i>Total Weight of Freight (Tons)</i>
4	NB	15	244	23	9.4	6681	319	1683
5	NB	8	3177	80	2.5	49965	583	12594
6	NB	19	276	11	4	10350	174	2658
7	NB	11.5	19	0	0	926	0	354
8	NB	31	372	155	41.7	9189	2685	1231
9	NB	33	2013	128	6.4	119257	3882	28526
10	NB	33.5	646	38	5.9	38601	1143	9117
12	NB	36.5	5	0	0	465	0	141
13	NB	31.5	32	0	0	3806	0	1399
TOTAL	****	****	6784	435	****	239241	****	57703
<i>Vehicle Class</i>	<i>Direction</i>	<i>Weight of Empty Vehicle (Kips)</i>	<i>Total Number of Vehicles</i>	<i>Number of Empty Vehicles</i>	<i>Percentage of Empty Vehicles</i>	<i>Total Weight of Vehicles with Freight (Kips)</i>	<i>Total Weight of Empty Vehicles (Kips)</i>	<i>Total Weight of Freight (Tons)</i>
4	SB	15	179	63	35.2	3927	811	1094
5	SB	8	2096	303	14.5	27307	2189	6481
6	SB	19	293	20	6.8	9489	350	2151
7	SB	11.5	17	0	0	883	0	344
8	SB	31	328	221	67.4	3922	4487	302
9	SB	33	2305	591	25.6	106514	16875	24976
10	SB	33.5	624	25	4	53309	722	16621
11	SB	36.5	1	1	100	0	22	0
12	SB	36.5	8	0	0	713	0	211
13	SB	31.5	7	0	0	778	0	279
TOTAL	****	****	5858	1224	****	206843	****	52459
GRAND TOTAL	****	****	12642	1659	323	446084	34243	110162

Table 5 Gross Vehicle Weight by Class and Lane

<i>Vehicle Class</i>	<i>NB Driving Lane</i>	<i>NB Passing Lane</i>	<i>SB Passing Lane</i>	<i>SB Driving Lane</i>	<i>Total</i>	<i>Percentage</i>
2	240341	38688	5168	201891	486089	34.4
3	208627	30460	24494	184848	448429	31.7
4	6539	461	0	4739	11739	0.8
5	47323	3224	110	29387	80044	5.7
6	10053	471	0	9839	20363	1.4
7	898	28	0	883	1809	0.1
8	11390	485	27	8383	20284	1.4
9	115605	7535	147	123242	246529	17.4
10	36249	3496	108	53924	93776	6.6
11	0	0	0	22	22	0
12	465	0	0	713	1178	0.1
13	3602	204	0	778	4585	0.3
TOTAL	681092	85052	30053	618649	1414846	100
GVW/LANE	48.14	6.01	2.12	43.73	100	0.01

Table 6 ESALs by Class and Lane and Flexible ESAL Factors

<i>Vehicle Class</i>	<i>NB Driving Lane</i>	<i>NB Passing Lane</i>	<i>SB Passing Lane</i>	<i>SB Driving Lane</i>	<i>Total</i>	<i>Percentage</i>	<i>Flexible ESAL Factor</i>
2	42	6	0	22	70	0.6	0.0013
3	105	13	1	62	181	1.55	0.005
4	146	8	0	78	231	1.98	1.1
5	934	77	4	354	1368	11.7	0.52
6	278	12	0	181	472	4.03	1.66
7	21	0	0	26	47	0.4	2.36
8	279	7	0	80	366	3.13	1.05
9	3295	189	3	2461	5948	50.85	2.76
10	1012	67	5	1654	2737	23.41	4.3
11	0	0	0	0	0	0	0.92
12	22	0	0	29	52	0.44	4.63
13	172	9	0	43	223	1.9	8.85
TOTAL	6304	387	14	4991	11696	100	28
ESALS/LANE	53.9	3.3	0.1	42.7	100	-	-

Table 7 Site Summary: Volume and Vehicle Class

<i>Month</i>	<i>Total Volume</i>	<i>Monthly ADT</i>	<i>Monthly HCAD T</i>	<i>Passenger Vehicles</i>	<i>Passenger Vehicles %</i>	<i>Heavy Commercial Vehicles</i>	<i>Heavy Commercial Vehicles %</i>	<i>Heavy Commercial Vehicles in Driving Lane %</i>	<i>Heavy Commercial Vehicles in Passing Lane %</i>
Feb 2018	187761	6706	445	175314	93.4	12446.9	6.6	93.7	6.3
Mar 2018	227467	7338	458	213260	93.8	14206.9	6.2	93.5	6.5
Apr 2018	208109	6937	390	196423	94.4	11686.2	5.6	93.5	6.5
May 2018	275473	8886	486	260406	94.5	15066.6	5.5	91.8	8.2
Jun 2018	306452	10215	626	287683	93.9	18769.5	6.1	90.8	9.2
Jul 2018	350547	11308	574	332764	94.9	17782.9	5.1	90.2	9.8
Aug 2018	358059	11550	592	339709	94.9	18350	5.1	90.6	9.4
Sep 2018	313915	10464	604	295806	94.2	18109.5	5.8	90.9	9.1
Oct 2018	288734	9314	557	271460	94	17274.5	6	91.5	8.5
Nov 2018	213943	7131	471	199800	93.4	14142.7	6.6	92.7	7.3
Dec 2018	202323	6977	389	190274	94	12049.2	6	93.6	6.4
Jan 2019	203082	6551	412	190300	93.7	12782.5	6.3	96.2	3.8
TOTAL	3135865	-	-	2953199	-	182667	-	-	-
AVERAGE	261322	8615	500	246100	94	15222	6	92	8

ESALS

<i>Month</i>	<i>ESALS NB Passing Lane</i>	<i>ESALS NB Driving Lane</i>	<i>ESALS SB Driving Lane</i>	<i>ESALS SB Passing Lane</i>	<i>Total ESALS</i>	<i>Driving Lane ESALS %</i>	<i>Passing Lane ESALS %</i>	<i>Pavement Life Decrease Months</i>
Feb 2018	5255	266	317	7250	13089	96	4	91.1
Mar 2018	6638	321	340	7817	15116	96	4	71.8
Apr 2018	4677	226	180	4274	9357	96	4	29.7
May 2018	5870	397	196	4186	10649	94	6	19.6
Jun 2018	8117	587	372	5176	14252	93	7	29.4
Jul 2018	6965	535	336	5229	13065	93	7	23.1
Aug 2018	7274	628	412	5605	13919	93	7	29.6
Sep 2018	7125	574	424	5493	13615	93	7	31.5
Oct 2018	7067	554	340	6223	14184	94	6	31.9
Nov 2018	6376	331	315	5768	12790	95	5	48.1
Dec 2018	5978	281	7355	5121	18736	59	41	85.7
Jan 2019	6348	398	15	5011	11772	96	4	64.8
TOTAL	77690	5098	10602	67154	160544	-	-	-
AVERAGE	6474	425	884	5596	13379	92	8	46

Gross Vehicle Weight

<i>Month</i>	<i>GVW NB Passing Lane</i>	<i>GVW NB Driving Lane</i>	<i>GVW SB Passing Lane</i>	<i>GVW SB Driving Lane</i>	<i>Total GVW Kips</i>
Feb 18	612031	73787	60261	626261	1372339
Mar 18	725128	97474	95556	725911	1644069
Apr 18	624365	79369	76549	597736	1378018
May 18	805267	135068	123381	716964	1780680
Jun 18	956809	179159	163542	840328	2139837
Jul 18	989942	190861	199906	891495	2272204
Aug 18	1029912	206482	199903	915971	2352268
Sep 18	928245	167946	179934	843547	2119672
Oct 18	874341	151885	156271	815285	1997782
Nov 18	703774	103950	86051	644760	1538536
Dec 18	685139	100086	67487	606959	1459670
Jan 19	682176	85152	31467	619015	1417811
TOTAL	9617130	1571219	1440307	8844233	21472888
AVERAGE	801427	130935	120026	737019	1789407

Overweight Vehicles

<i>Month</i>	<i>Total Number of Overweight Vehicles</i>	<i>Overweight / Total Volume</i>	<i>Overweight / Heavy Commercial Volume</i>	<i>Number Over 88,000 lbs</i>	<i>Number Over 98,000 lbs</i>
Feb 2018	2416	1.3	19.6	1294	626
Mar 2018	2872	1.3	20.3	1363	661
Apr 2018	1663	0.8	14.3	499	108
May 2018	1827	0.7	12.2	470	98
Jun 2018	2892	1	15.4	866	157
Jul 2018	2415	0.7	13.6	700	189
Aug 2018	2476	0.7	13.5	830	275
Sep 2018	2546	0.8	14.1	934	286
Oct 2018	2727	0.9	15.8	1007	305
Nov 2018	2379	1.1	16.9	1102	355
Dec 2018	2093	1	16.5	1147	489
Jan 2019	2132	1.1	16	1062	401
TOTAL	28438	-	-	11274	3950
AVERAGE	2369.8	1	15.7	939.5	329.2

Freight

<i>Month</i>	<i>NB Freight Tons</i>	<i>SB Freight Tons</i>	<i>Total Freight</i>	<i>NB Freight %</i>	<i>SB Freight %</i>
Feb 2018	48947	66785	115732	42.3	57.7
Mar 2018	61186	72833	134019	45.7	54.3
Apr 2018	46511	43976	90486	51.4	48.6
May 2018	61664	47687	109351	56.4	43.6
Jun 2018	88451	64157	152607	58	42
Jul 2018	72207	58420	130627	55.3	44.7
Aug 2018	73261	62083	135345	54.1	45.9
Sep 2018	75479	60417	135896	55.5	44.5
Oct 2018	71194	66929	138122	51.5	48.5
Nov 2018	59228	61355	120584	49.1	50.9
Dec 2018	53907	52938	106845	50.5	49.5
Jan 2019	57703	52459	110162	52.4	47.6
TOTAL	769738	710038	1479776	-	-
AVERAGE	64144.8	59169.9	123314.7	51.8	48.2