

FEBRUARY 2018



**WIM #49
I-90,
MP 42.6
WORTHINGTON,
MN**

**MONTHLY
REPORT**



Your Destination...Our Priority



WIM Site Location

WIM #49 is located on I-90 near Worthington in Nobles county.

System Operation

WIM #49 was operational for the entire month of February 2018. Volume was computed using all monthly data.

System Calibration

WIM #49 was most recently calibrated on 2017-12-15. Table 1 summarizes the front axle weights of class 9s by lane ¹. Table 1 indicates that the class 9 front axle weights were all within +/- 9% of baseline calibration values for lanes 1 and 2 but not lanes 3 and 4. 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: 220990 | Passenger Vehicles: 176648 | Heavy Commercial Vehicles: 44342

Monthly Average Daily Traffic (MADT): 7892 | Monthly Heavy Commercial Average Daily Traffic (MHCADT): 1584

See Table 2 for vehicle class breakdown

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

Volume trends. EB vehicles typically reached highest volume levels on Fridays, with lowest volumes reported on Saturdays. WB vehicles typically reached highest volume levels on Fridays, with lowest volumes reported on Saturdays (see Figure 3 and 4).

Passenger Vehicles (PVs)

Volume trends. On an average 24-hour day (see Figure 5), EB PVs generally reached peak volume levels between 02 PM and 04 PM. Similarly, WB PVs peaked in volume between 03 PM and 05 PM

Heavy Commercial Vehicles (HCVs)

Volume trends. On an average 24-hour day, HCVs traveling EB typically reached peak volume levels between 02 PM and 04 PM, while volume going WB peaked between 03 PM and 05 PM. See Figure 6. Out of all HCVs, the two highest traffic volumes were generated by Class 9's and Class 5's.

Overweight HCVs

Volume trends. Of a total of 44342 HCVs, 10527 of them were overweight ³. These overweight HCVs contributed to 5.4% of total monthly volume, and 26.9% of total monthly HCV volume. EB overweight vehicles typically reached highest numbers on Wednesdays, with lowest volumes reported on Saturdays. WB overweight vehicles tended to reach highest volumes on Wednesdays, 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 66.6% of all overweight vehicles traveling WB 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 January.

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 ,235 EB vehicles exceeded 88,000 pounds (158 vehicles were Class 9's; 42 vehicles were Class 10's). Of vehicles traveling WB,

2550 EB vehicles exceeded 88,000 pounds (2312 vehicles were Class 9's; 167 vehicles were Class 10's). Refer to Table 3 for the Top 10 highest recorded GVWs from Classes 9 and 10 from February 2018.

Loaded vs. Unloaded HCVs. Figure 10 shows the GVW distributions of Class 9s and 10s in February 2018. Data suggests that there were greater numbers of fully_loaded Class 9's than empty Class 9's traveling EB, while there were more fully_loaded Class 9's than empty traveling WB. Data also suggests that there were more fully_loaded Class 10's than empty traveling in the EB direction. In the WB direction, there were more fully_loaded class 10 vehicles.

Freight Totals. A total of 503859 tons of freight was recorded to have crossed the WIM. More freight was shipped WB (58.2%) than EB (41.8%). See Table 4 and Figure 11 for more freight information.

Infrastructure Considerations

Bridge. Bridge No. 53815 and 53816 (Prestressed Beam Span) are approximately .18 miles east of WIM #49. Bridge No. 53813 and 53814 (Prestressed Beam Span) are approximately .43 miles west of WIM #49. WIM #49 recorded a total of 220990 vehicles with a combined GVW of 2954919 kips (1 kip = 1,000 pounds = 0.5 tons) in February 2018. See Table 5 and Figures 12-13 for GVW information by vehicle class and lane.

Pavement Design. A total of 53286 equivalent single axle loads (ESALs) passed over the pavement at this site. Approximately 62.5% of all ESALs were recorded WB while 37.5% was observed EB. In particular, 87% of all ESALs were generated by the Class 9's (Class 9's were also responsible for generating 63% 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).

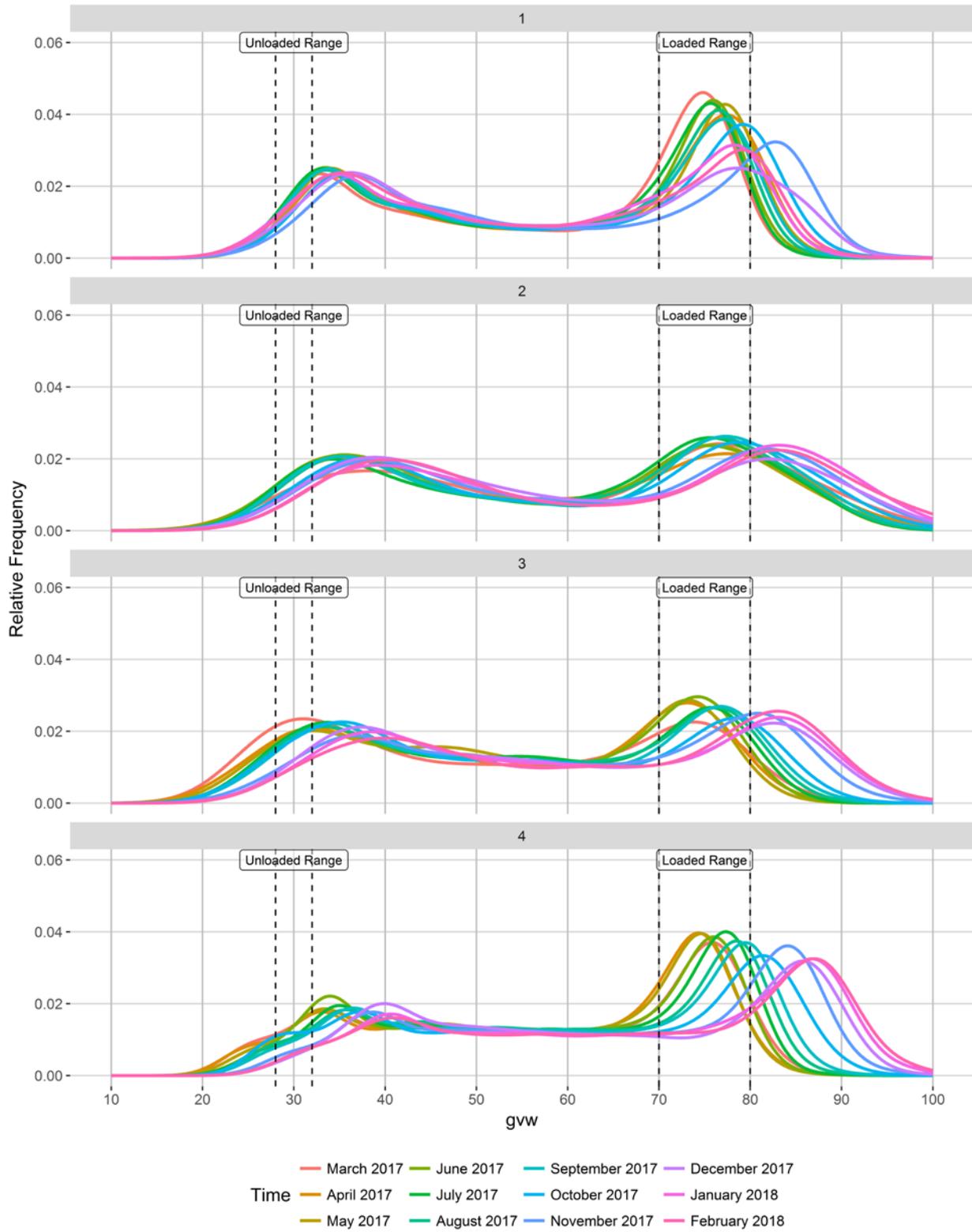
WIM monthly reports can be found at: <http://www.dot.state.mn.us/traffic/data/reports-monthly-wim.html>

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.

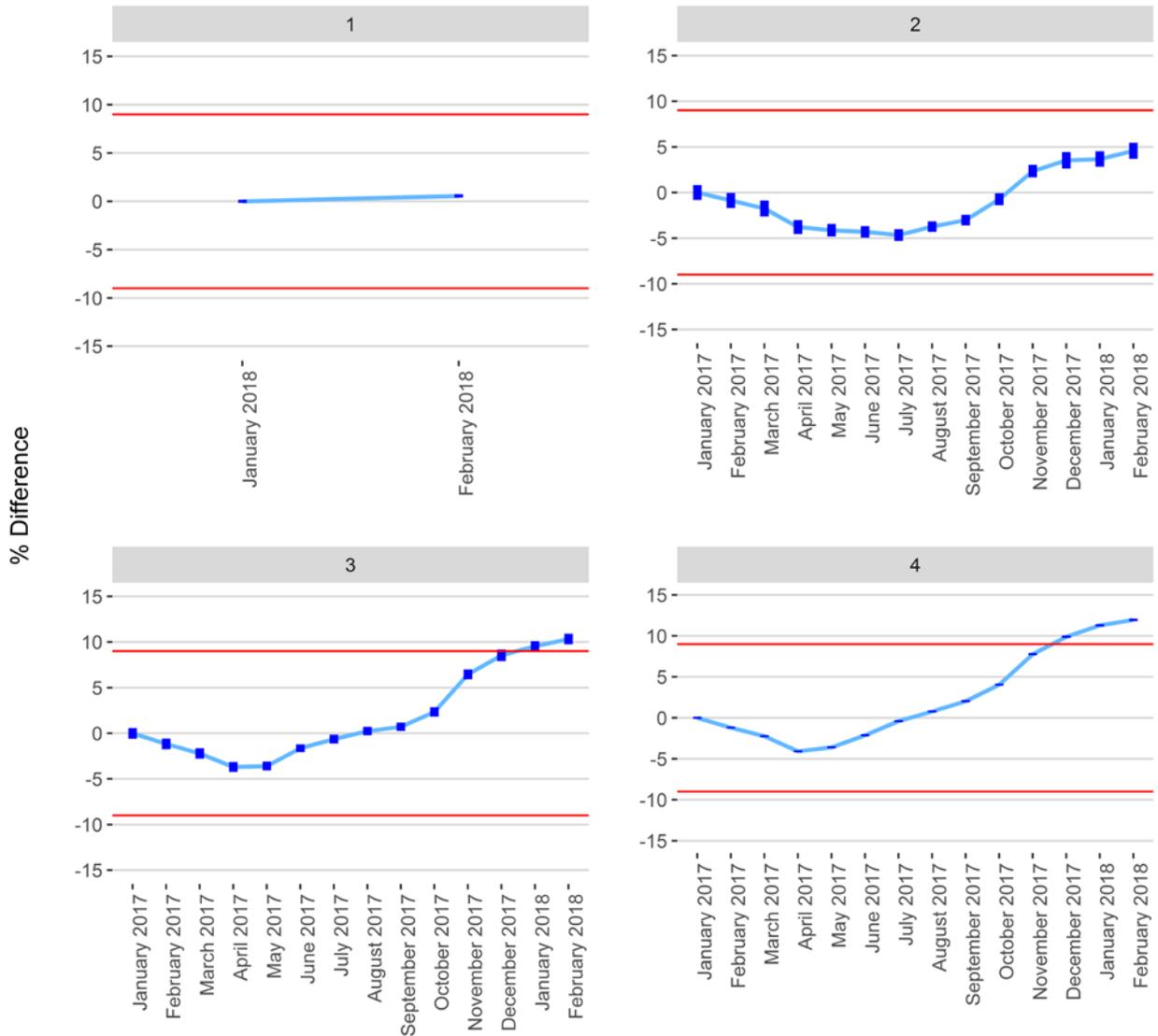
To request this document in an alternative format, please call 651-366-4718 or 1-800-657-3774, or email your request to ADArequest.dot@state.mn.us. Please request at least one week in advance.

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

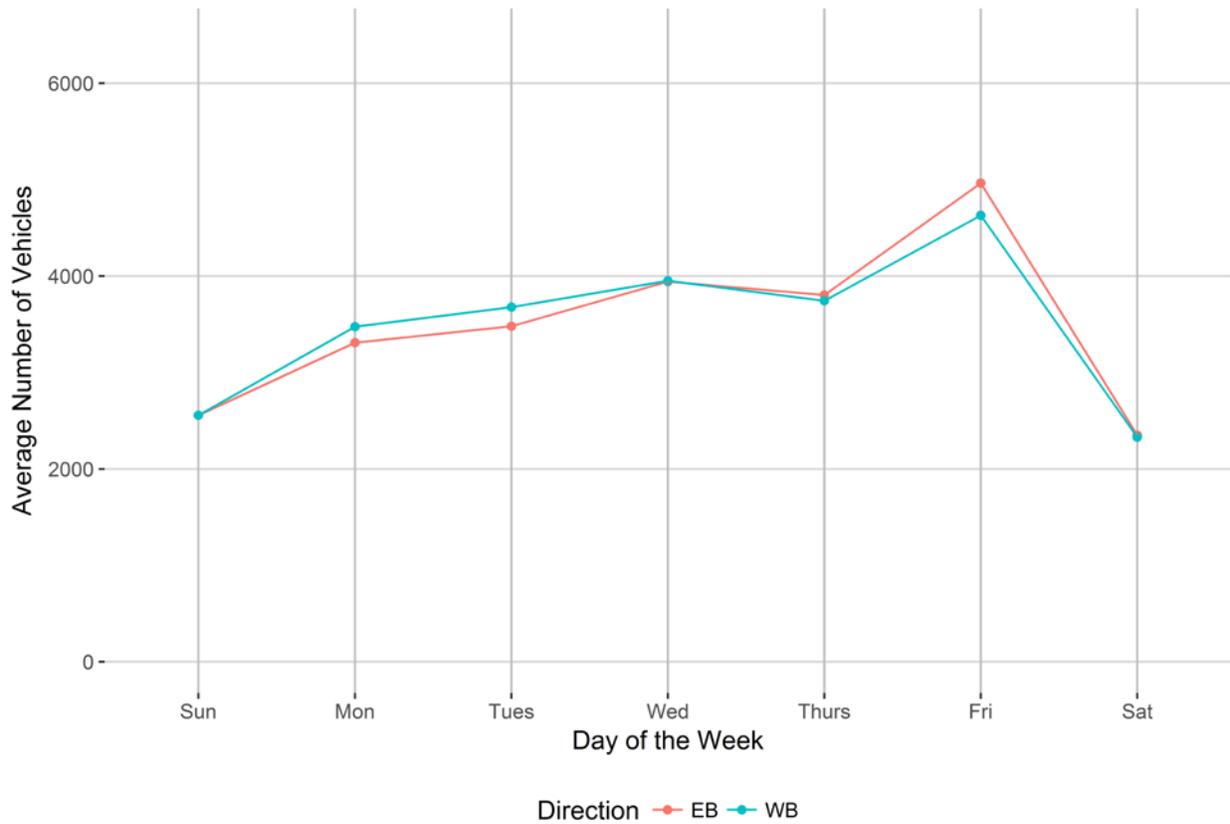


Figure 3 - Average Overweight Vehicle Volume vs. Day of the Week

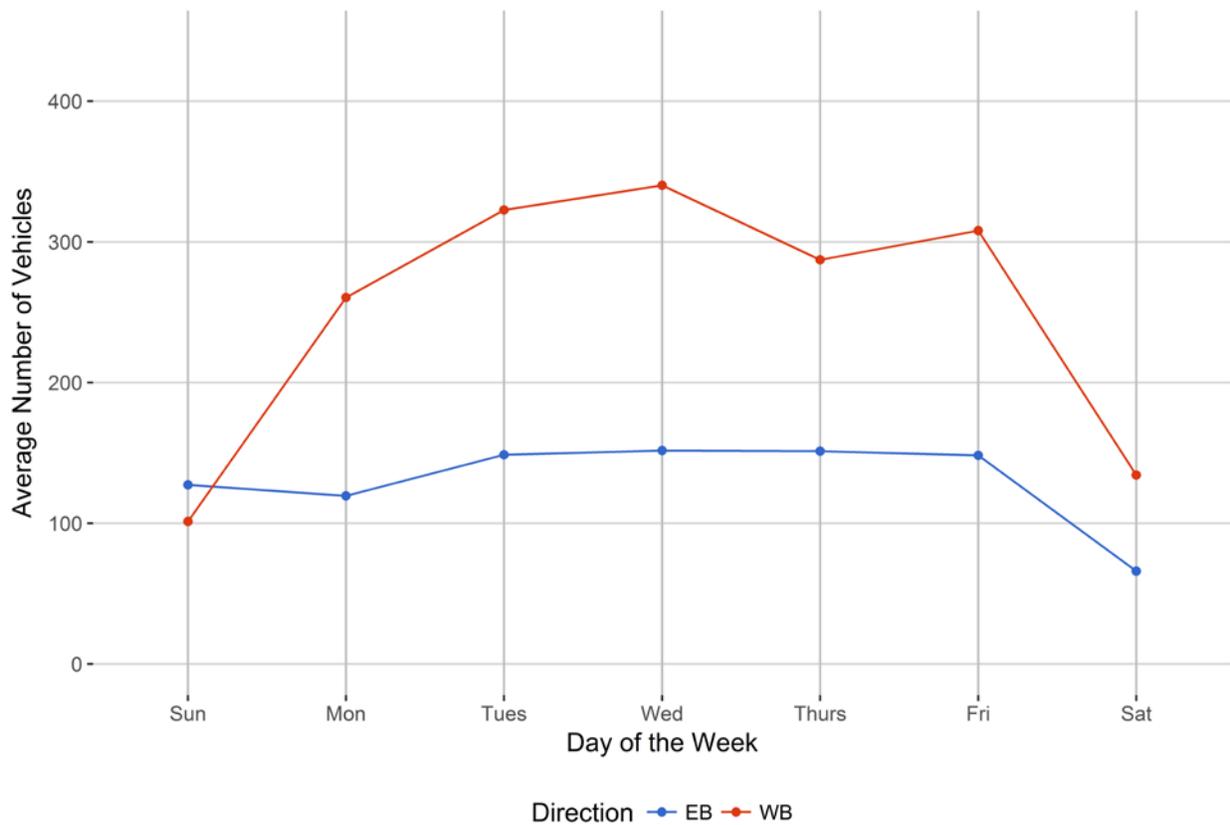


Figure 4 - Passenger Vehicles vs. Hour of the Day

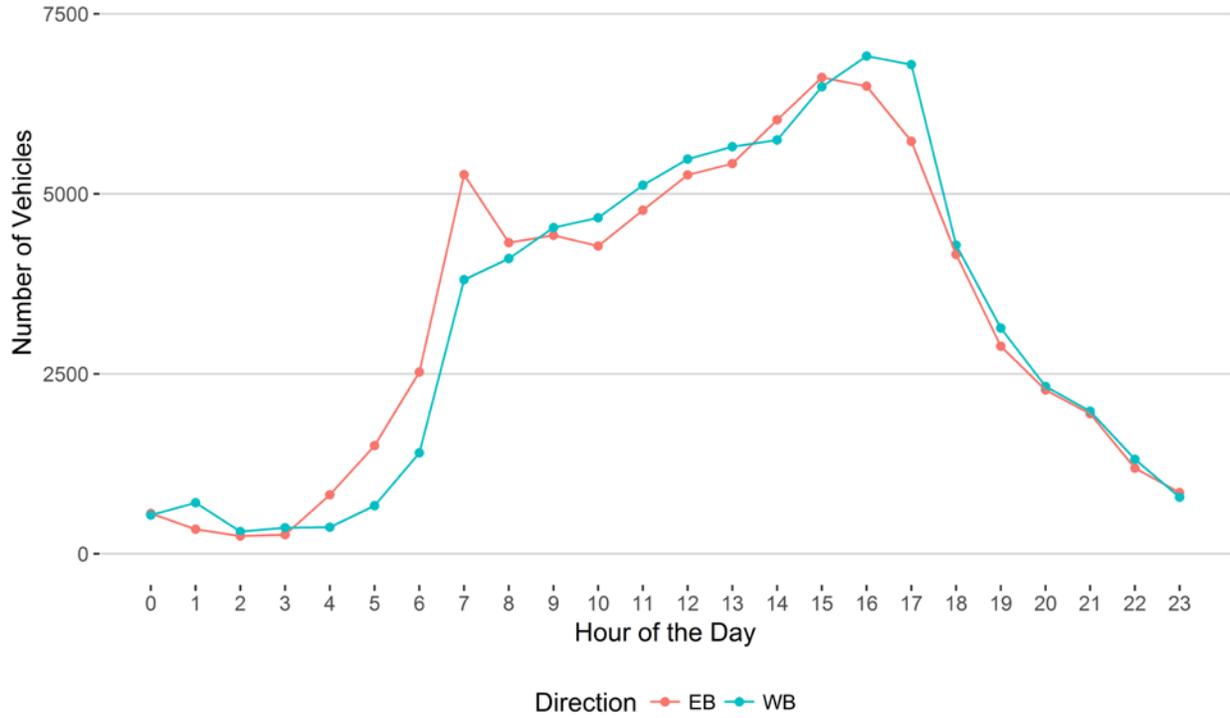


Figure 5 - Heavy Commercial Vehicles vs. Hour of the Day

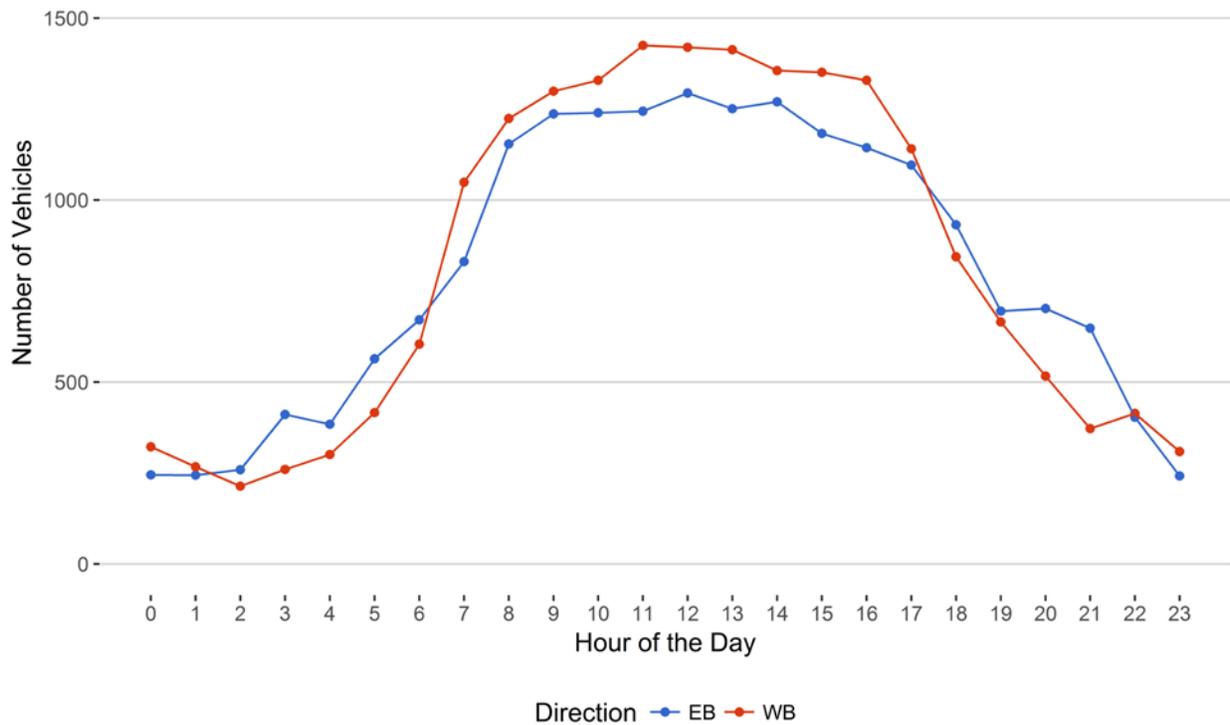


Figure 7 - Overweight Vehicles by Direction
Hour of the Day

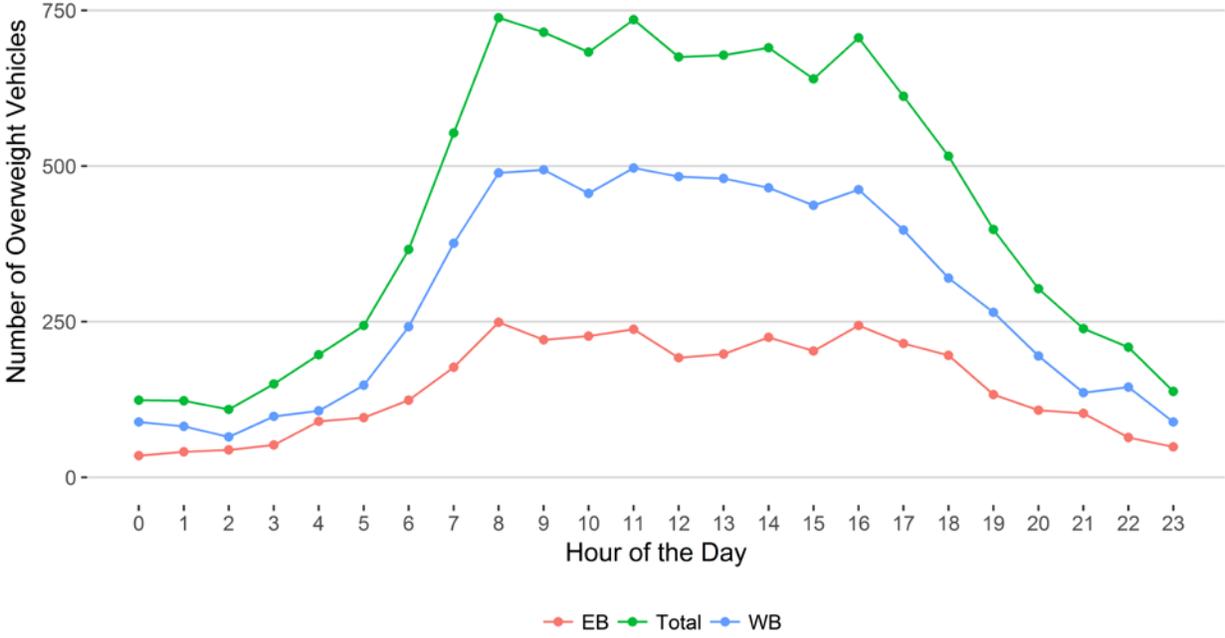
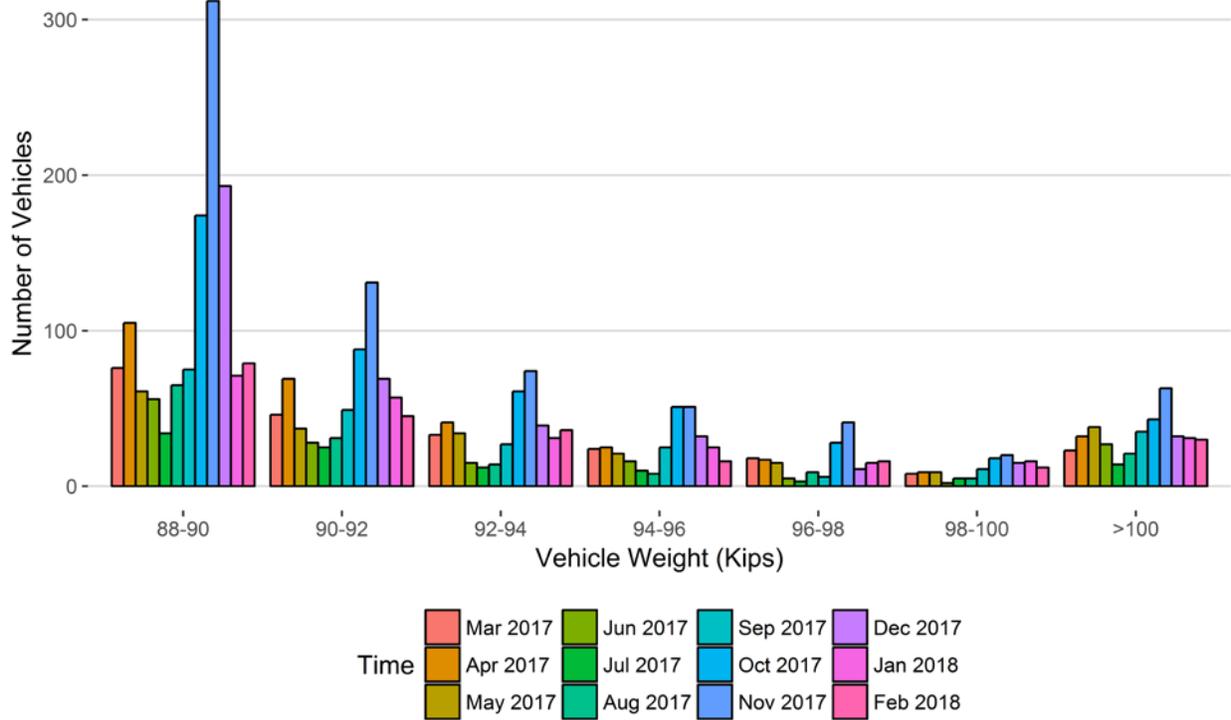
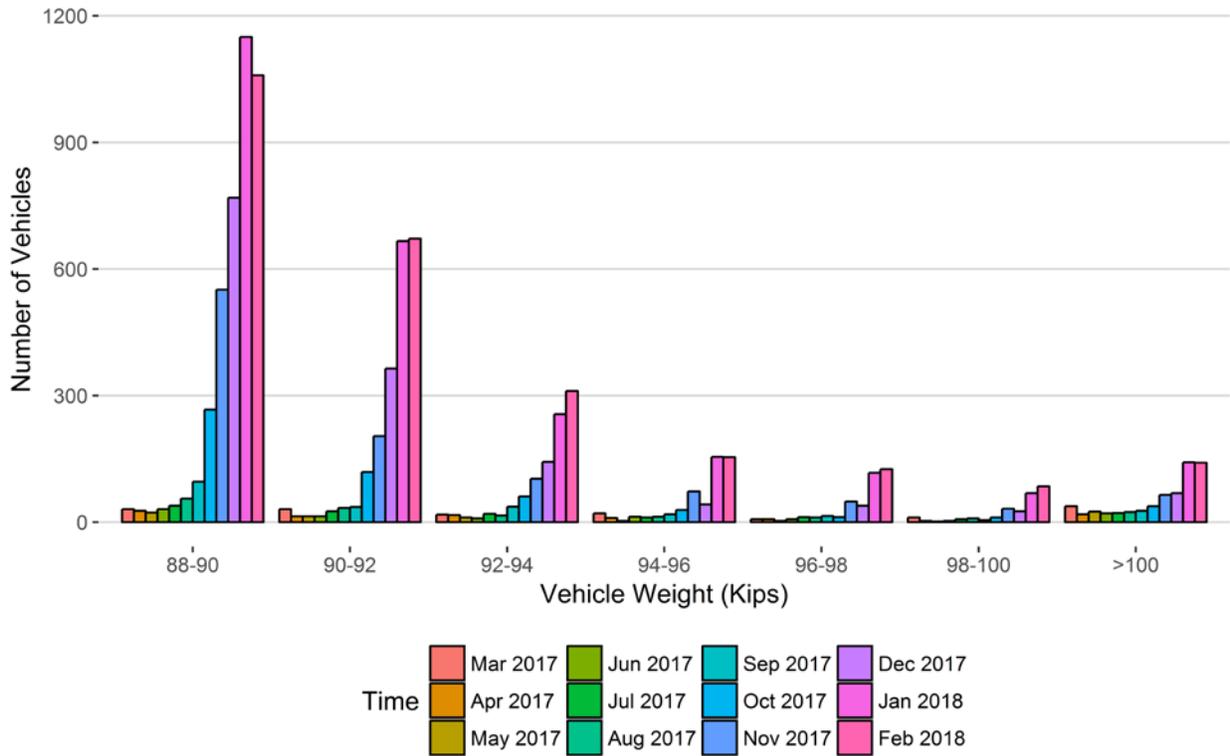


Figure 8 - Histogram of EB Vehicles Over 88,000 Pounds for Current Month



Vehicle Weights (Kips)	Mar 2017	Apr 2017	May 2017	Jun 2017	Jul 2017	Aug 2017	Sep 2017	Oct 2017	Nov 2017	Dec 2017	Jan 2018	Feb 2018
88-90	76	105	61	56	34	65	75	174	312	193	71	79
90-92	46	69	37	28	25	31	49	88	131	69	57	45
92-94	33	41	34	15	12	14	27	61	74	39	31	36
94-96	24	25	21	16	10	8	25	51	51	32	25	16
96-98	18	17	15	5	3	9	6	28	41	11	15	16
98-100	8	9	9	2	5	5	11	18	20	15	16	12
>100	23	32	38	27	14	21	35	43	63	32	31	30
Total	228	298	215	149	103	153	228	463	692	391	246	234

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



Vehicle Weights (Kips)	Mar 2017	Apr 2017	May 2017	Jun 2017	Jul 2017	Aug 2017	Sep 2017	Oct 2017	Nov 2017	Dec 2017	Jan 2018	Feb 2018
88-90	31	27	23	31	39	56	96	267	551	769	1150	1059
90-92	31	14	14	14	26	34	36	119	204	364	666	672
92-94	18	17	11	9	20	16	37	61	103	143	256	311
94-96	21	10	3	13	11	13	19	29	73	42	155	154
96-98	7	7	3	7	12	11	15	12	49	39	117	126
98-100	11	3	2	3	7	9	5	11	32	26	69	85
>100	38	19	25	21	22	24	27	38	65	69	142	141
Total	157	97	81	98	137	163	235	537	1077	1452	2555	2548

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

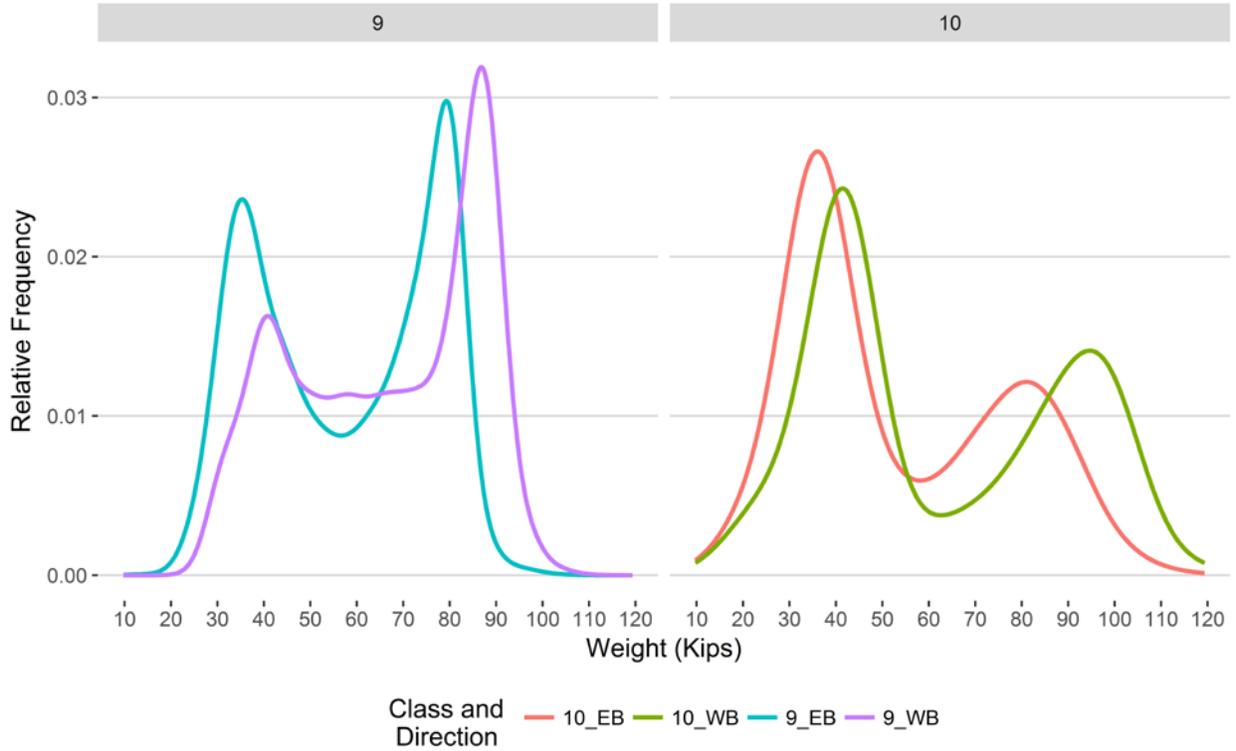


Figure 9 - Freight Percentage by Direction and Class

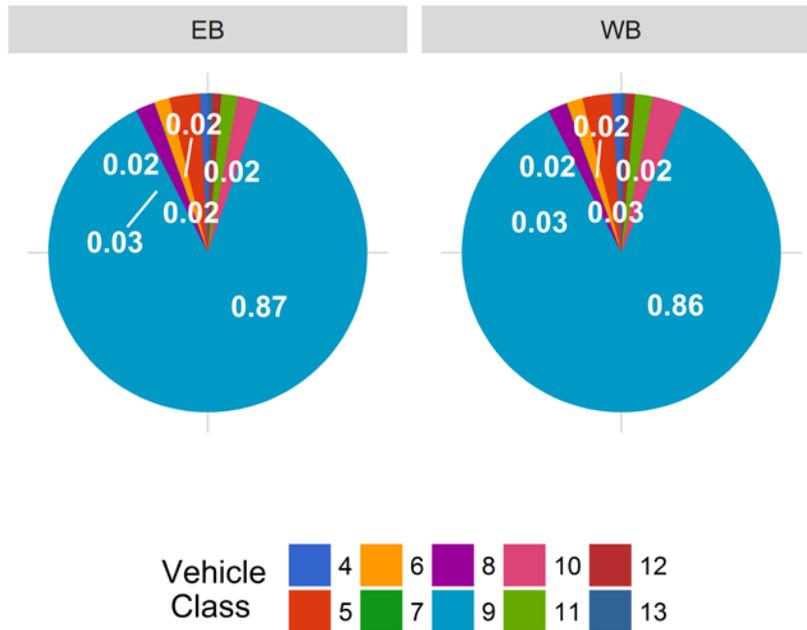


Figure 10 - Total Gross Vehicle Weight Percentage by Class and Lane

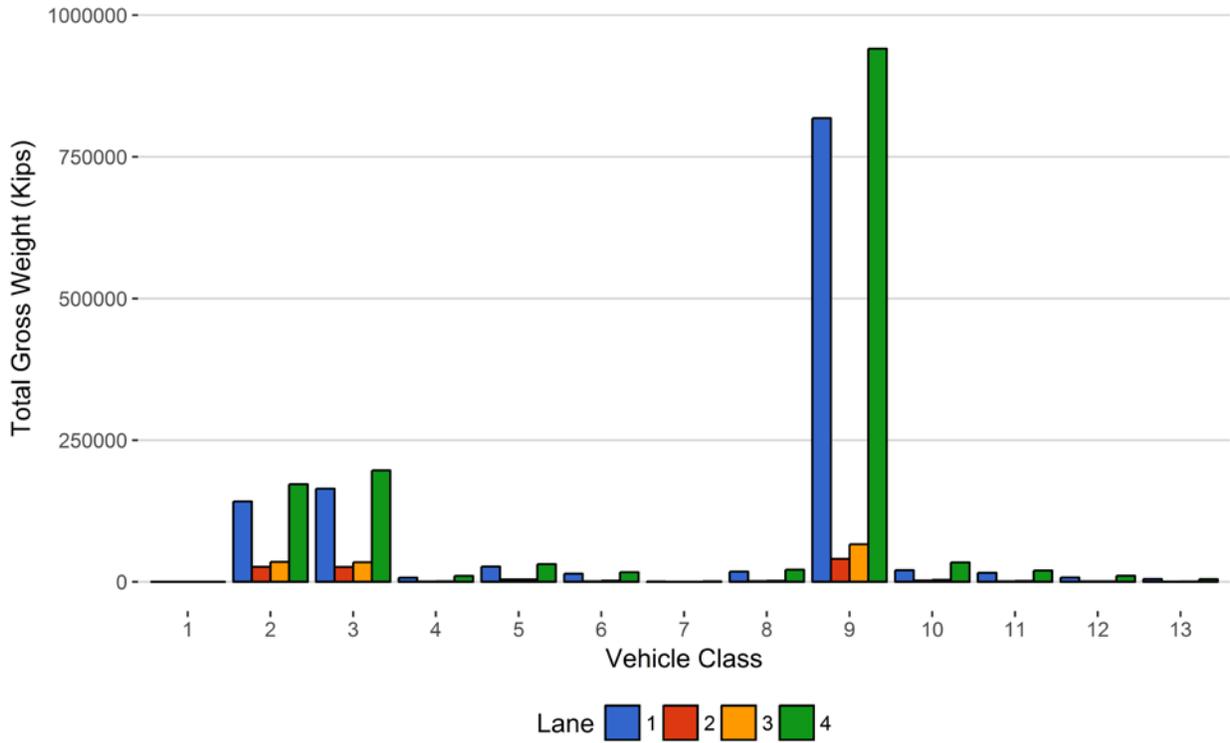


Figure 11 - Total Gross Vehicle Weight I

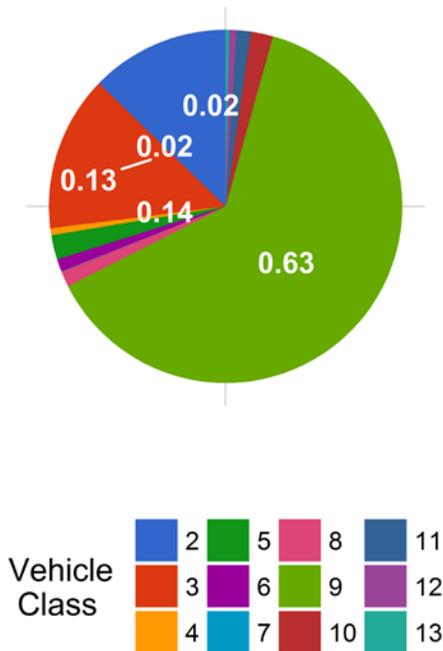


Figure 12 - Total ESALs by Class and Lane

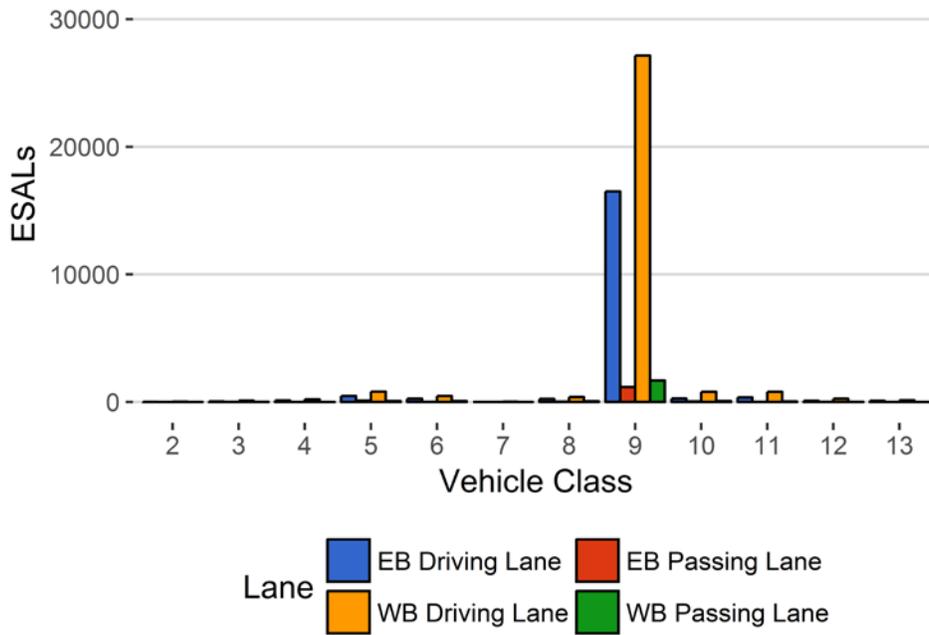


Figure 13 - ESALs by Class

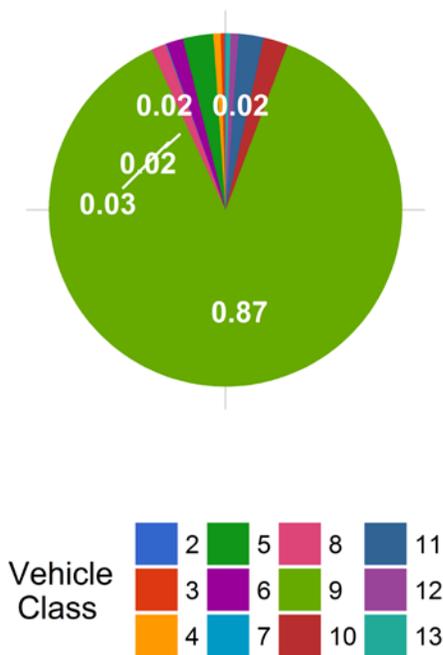


Table 1 Class 9 Front Axle Weight by Lane

<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>
January 2017	NA	NA	11.56	0.00	11.42	0.00	11.52	0.00
February 2017	NA	NA	11.46	-0.87	11.29	-1.15	11.38	-1.19
March 2017	NA	NA	11.36	-1.75	11.17	-2.20	11.26	-2.24
April 2017	NA	NA	11.13	-3.78	11.00	-3.69	11.05	-4.08
May 2017	NA	NA	11.09	-4.13	11.02	-3.59	11.11	-3.60
June 2017	NA	NA	11.07	-4.31	11.24	-1.64	11.28	-2.13
July 2017	NA	NA	11.02	-4.66	11.35	-0.64	11.48	-0.40
August 2017	NA	NA	11.13	-3.73	11.45	0.24	11.61	0.78
September 2017	NA	NA	11.21	-3.01	11.51	0.71	11.76	2.04
October 2017	NA	NA	11.48	-0.73	11.69	2.33	11.99	4.06
November 2017	NA	NA	11.83	2.35	12.16	6.46	12.42	7.77
December 2017	NA	NA	11.97	3.54	12.40	8.54	12.66	9.89
January 2018	10.89	0.00	11.99	3.67	12.51	9.54	12.82	11.29
February 2018	10.95	0.56	12.09	4.57	12.60	10.32	12.90	11.95

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	3688	103271	46.7	0	0
3	2621	73377	33.2	0	0
4	26	716	0.3	55	0.5
5	173	4847	2.2	175	1.7
6	43	1217	0.6	134	1.3
7	1	26	0	4	0
8	48	1344	0.6	67	0.6
9	1211	33914	15.3	9506	90.3
10	42	1163	0.5	313	3
11	24	668	0.3	125	1.2
12	12	330	0.1	67	0.6
13	4	117	0.1	81	0.8
TOTAL	7892	220990	100	10527	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>
2018-02-21	Wednesday	13:29:21	9	WB	4	121.68
2018-02-19	Monday	17:28:17	9	EB	2	121.14
2018-02-06	Tuesday	08:30:20	10	WB	4	119.39
2018-02-21	Wednesday	13:27:54	10	WB	4	118.14
2018-02-02	Friday	11:21:27	10	WB	4	117.95
2018-02-23	Friday	11:26:13	9	WB	4	117.6
2018-02-15	Thursday	19:43:39	9	WB	3	116.16
2018-02-23	Friday	21:34:39	10	WB	3	114.74
2018-02-15	Thursday	13:40:56	10	WB	4	114.28
2018-02-16	Friday	14:40:46	10	EB	1	113.83

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	EB	15	268	47	17.5	7099	598	1892
5	EB	8	2157	408	18.9	28074	2882	7041
6	EB	19	512	110	21.5	12994	1858	2678
7	EB	11.5	10	0	0	467	0	176
8	EB	31	579	212	36.6	14288	4939	1456
9	EB	33	14893	1719	11.5	808088	50720	186673
10	EB	33.5	426	81	19	20396	2265	4419
11	EB	36.5	299	25	8.4	15668	841	2834
12	EB	36.5	145	0	0	8558	0	1633
13	EB	31.5	55	3	5.5	4850	79	1606
TOTAL	****	****	19344	2605	****	920483	****	210407
<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	WB	15	365	24	6.6	10622	331	2754
5	WB	8	2126	53	2.5	34809	401	9112
6	WB	19	563	9	1.6	18739	166	4106
7	WB	11.5	13	0	0	757	0	304
8	WB	31	609	148	24.3	19455	3343	2582
9	WB	33	15076	618	4.1	988485	18718	255686
10	WB	33.5	602	55	9.1	36106	1390	8891
11	WB	36.5	291	0	0	21216	0	5297
12	WB	36.5	147	1	0.7	11267	28	2969
13	WB	31.5	48	0	0	5015	0	1751
TOTAL	****	****	19840	908	****	1146470	****	293452
GRAND TOTAL	****	****	39184	3513	188	2066953	88559	503859

Table 5 Gross Vehicle Weight by Class and Lane

<i>Vehicle Class</i>	<i>EB Driving Lane</i>	<i>EB Passing Lane</i>	<i>WB Passing Lane</i>	<i>WB Driving Lane</i>	<i>Total</i>	<i>Percentage</i>
2	141847	26344	34900	172166	375257	12.7
3	164157	26003	34493	196573	421227	14.3
4	7307	390	713	10241	18650	0.6
5	26784	4173	4018	31192	66167	2.2
6	14121	730	1870	17035	33757	1.1
7	467	0	62	695	1224	0
8	18091	1136	1508	21290	42025	1.4
9	818336	40471	66185	941018	1866011	63.2
10	20527	2134	3346	34149	60156	2
11	15706	803	1234	19981	37725	1.3
12	7684	875	773	10522	19854	0.7
13	4845	84	361	4654	9944	0.3
TOTAL	1239873	103143	149464	1459516	2951996	100
GVW/LANE	42	3.49	5.06	49.44	100	0

Table 6 ESALs by Class and Lane and Flexible ESAL Factors

<i>Vehicle Class</i>	<i>EB Driving Lane</i>	<i>EB Passing Lane</i>	<i>WB Passing Lane</i>	<i>WB Driving Lane</i>	<i>Total</i>	<i>Percentage</i>	<i>Flexible ESAL Factor</i>
2	13	4	6	28	50	0.09	0.0011
3	55	13	17	103	188	0.35	0.0059
4	123	10	9	218	359	0.68	1.14
5	471	110	78	812	1472	2.77	0.69
6	264	24	73	467	829	1.56	1.54
7	9	0	2	29	40	0.08	2.9
8	244	32	62	386	724	1.36	1.22
9	16502	1172	1680	27139	46493	87.39	3.11
10	280	45	74	798	1197	2.25	2.32
11	365	24	45	792	1225	2.3	4.1
12	94	14	14	259	381	0.72	2.55
13	100	2	8	134	244	0.46	4.32
TOTAL	18520	1450	2067	31166	53202	100	24
ESALS/LANE	34.8	2.7	3.9	58.6	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>
Mar 2017	283134	9133	1768	228319	80.6	54814.5	19.4	94.2	5.8
Apr 2017	301496	10050	1803	247392	82.1	54103.8	17.9	93.8	6.2
May 2017	347497	11210	1922	287902	82.9	59594.9	17.1	93.2	6.8
Jun 2017	407006	13567	2133	343015	84.3	63990.6	15.7	92.1	7.9
Jul 2017	441067	14228	1980	379680	86.1	61387.2	13.9	92	8
Aug 2017	448501	14468	2187	380719	84.9	67782	15.1	91.4	8.6
Sep 2017	377524	12584	2057	315802	83.7	61721.5	16.3	92	8
Oct 2017	347110	11197	2003	285006	82.1	62103.7	17.9	92.6	7.4
Nov 2017	308779	10293	1764	255866	82.9	52913.4	17.1	93.2	6.8
Dec 2017	274327	8849	1455	229224	83.6	45103	16.4	93.6	6.4
Jan 2018	242457	7821	1502	195903	80.8	46554.3	19.2	93.8	6.2
Feb 2018	220990	7892	1584	176648	79.9	44341.7	20.1	93.4	6.6
TOTAL	399988	--	--	3325476	--	674411	--	--	--
AVERAGE	333324	10941	1846	277123	83	56201	17	93	7

ESALS

<i>Month</i>	<i>ESALS EB Passing Lane</i>	<i>ESALS EB Driving Lane</i>	<i>ESALS WB Driving Lane</i>	<i>ESALS WB Passing Lane</i>	<i>Total ESALS</i>	<i>Driving Lane ESALS %</i>	<i>Passing Lane ESALS %</i>	<i>Pavement Life Decrease Months</i>
Mar 2017	25403	2668	1175	22943	52188	93	7	1.9
Apr 2017	27377	1568	1157	21688	51790	95	5	4.2
May 2017	27803	1856	1325	23251	54235	94	6	2.3
Jun 2017	26754	3436	1736	24916	56843	91	9	1.4
Jul 2017	24850	2101	1660	25421	54032	93	7	1.8
Aug 2017	28422	3815	2188	28759	63184	90	10	2
Sep 2017	27300	2308	1952	28402	59963	93	7	2.8
Oct 2017	30927	2292	1781	33278	68278	94	6	6.2
Nov 2017	30014	1995	1818	33423	67251	94	6	12.4
Dec 2017	18313	1169	1522	26742	47746	94	6	20.9
Jan 2018	20474	1415	2110	34986	58984	94	6	30.4
Feb 2018	18539	1460	2079	31208	53286	93	7	35.5
TOTAL	306175	26084	20503	335019	687780	--	--	--
AVERAGE	25515	2174	1709	27918	57315	93	7	10

Gross Vehicle Weight

<i>Month</i>	<i>GVW EB Passing Lane</i>	<i>GVW EB Driving Lane</i>	<i>GVW WB Passing Lane</i>	<i>GVW WB Driving Lane</i>	<i>Total GVW Kips</i>
Mar 2017	1414968	113169	175879	1708692	3412708
Apr 2017	1241034	103408	149769	1460708	2954919
May 2017	1758853	143030	171089	1695764	3768736
Jun 2017	1791381	158744	183103	1698280	3831507
Jul 2017	1930859	199473	230908	1872309	4233548
Aug 2017	2027536	257078	312474	2033339	4630426
Sep 2017	2010100	281883	325984	2066789	4684756
Oct 2017	2159200	302701	348466	2194196	5004563
Nov 2017	1980511	242897	280810	2018643	4522861
Dec 2017	1978058	217867	250525	2078389	4524840
Jan 2018	1785461	186160	211393	1888009	4071023
Feb 2018	1236687	118699	157811	1457196	2970393
TOTAL	21314647	2325109	2798211	22172313	48610281
AVERAGE	1776221	193759	233184	1847693	4050857

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>
Mar 2017	4653	1.7	8.8	388	81
Apr 2017	6156	2.1	11.7	397	63
May 2017	5740	1.7	9.9	303	80
Jun 2017	5245	1.3	8.4	250	56
Jul 2017	5495	1.3	9.1	241	49
Aug 2017	8117	1.9	12.3	319	60
Sep 2017	9421	2.6	15.7	463	78
Oct 2017	13619	4.1	22.7	1001	110
Nov 2017	14594	4.9	28.4	1774	183
Dec 2017	9587	4.2	25.7	1846	144
Jan 2018	11324	4.9	25.2	2802	259
Feb 2018	10541	5.4	26.8	2785	271
TOTAL	104492	--	--	12569	1434
AVERAGE	8707.7	3	17.1	1047.4	119.5

Freight

<i>Month</i>	<i>EB Freight Tons</i>	<i>WB Freight Tons</i>	<i>Total Freight</i>	<i>EB Freight %</i>	<i>WB Freight %</i>
Mar 2017	301742	278571	580313	52	48
Apr 2017	305459	273360	578819	52.8	47.2
May 2017	317884	294604	612488	51.9	48.1
Jun 2017	322551	307287	629838	51.2	48.8
Jul 2017	303599	305570	609169	49.8	50.2
Aug 2017	338549	341446	679995	49.8	50.2
Sep 2017	325609	329272	654880	49.7	50.3
Oct 2017	348879	359241	708120	49.3	50.7
Nov 2017	311790	342391	654181	47.7	52.3
Dec 2017	198068	263968	462036	42.9	57.1
Jan 2018	236169	334184	570353	41.4	58.6
Feb 2018	210407	293452	503859	41.8	58.2
TOTAL	3520705	3723345	7244050	--	--
AVERAGE	293392.1	310278.8	603670.9	48.3	51.7