



## **Highway 5A Safety Review – Merritt to Kamloops**

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Submitted to: BC Ministry of Transportation and Infrastructure  
Prepared by McElhanney

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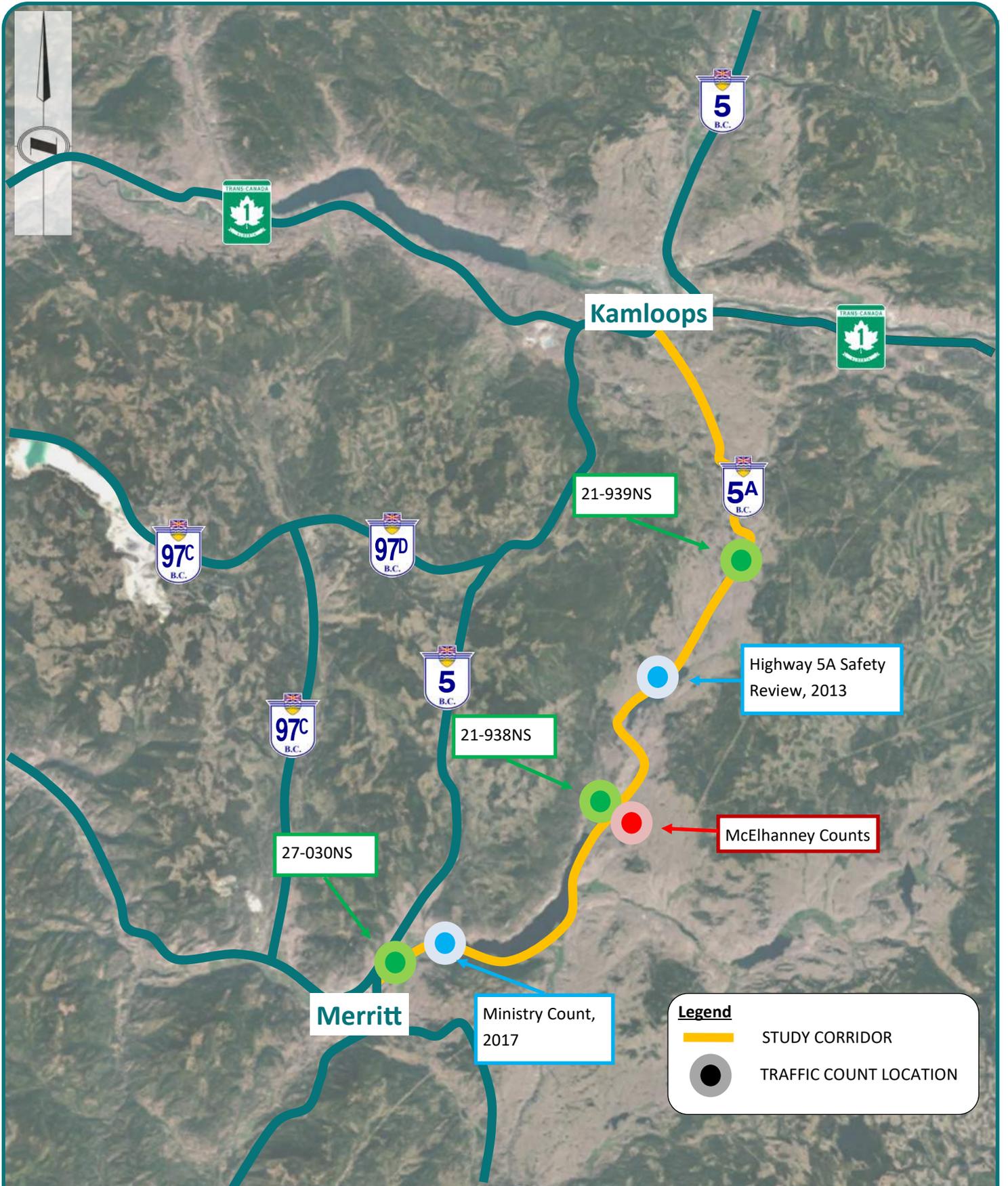
## 1. Introduction

McElhanney Ltd. (McElhanney) was retained by the BC Ministry of Transportation and Infrastructure (the Ministry) to conduct a safety review along Highway 5A, from Merritt to Kamloops. The study area consists of approximately 82.4 km of roadway from LKI Segment 1721 km 1.80 to km 84.20 and is shown in *Figure 1*. Note that the traffic count locations along the corridor are also shown on the study area figure.

Highway 5A is a 182 km north–south route in southern British Columbia, Canada. Highway 5A connects the Crowsnest Highway (Highway 3) in Princeton, passes through Merritt, and terminates in Kamloops. The study corridor between Merritt and Kamloops is generally 2-lanes with one northbound climbing lane, north of Campbell Creek Road (3 km long from km 73.96 to 77.16). The majority of the corridor has a posted speed of 90 km/h, with some reduced speed zones of 60 and 70 km/h.

The purpose of this study is to conduct a desktop safety review of Highway 5A, including the following:

- Review of current and historical traffic data for the corridor,
- Analysis of collision data for the past 15 years, and
- Review of reliability data for the corridor.



Highway 5A Safety Review - Merritt to Kamloops  
Study Area

## 2. Traffic Data

### 2.1. DATA SOURCES

Traffic data as obtained from various sources as summarized in [Table 1](#). The locations where the data was collected are shown in [Figure 1](#).

To obtain 2021 data, McElhanney conducted a traffic count and speed survey at Trapp Lake from July 26 to August 1, 2021, approximately 400 m north of the existing 21-939NS short count station. A second count was conducted from August 5 – 10, 2021 to verify the speed data for the previous counts. Traffic data from these two counts are provided in [Appendix A](#).

*Table 1: Data Sources*

Source	Location	Available Data
Ministry Short Counts	27-030NS, 0.2 km north of Airport Road	<ul style="list-style-type: none"> <li>• 24 Hour Roadway Summary – June 28, 2010</li> <li>• Class Site History – June 28, 2010</li> <li>• Daily Volume – Multiple Short Counts – 2005, 2007, 2010</li> </ul>
Ministry Short Counts	21-938NS, 10.9 km North of Douglas Lake Road, Nicola Lake	<ul style="list-style-type: none"> <li>• 24 Hour Roadway Summary – July 16, 2006</li> <li>• Class Site History – July 16, 2006</li> <li>• Daily – FHWA Class Summary – July 16, 2006</li> <li>• Daily Volume – Multiple Short Counts – 2004, 2006</li> </ul>
Ministry Short Counts	21-939NS, 2.0 km north of Napler Lake, Trapp Lake	<ul style="list-style-type: none"> <li>• Speed, Classification and Volume Study – August 23 to August 30, 2013</li> </ul>
Ministry ( <i>Highway 5A Safety Review, 2013</i> )	Stump Lake Road	<ul style="list-style-type: none"> <li>• Highway 5A AADT, 1980 – 2010</li> </ul>
Ministry Count	Monck Park Rd	<ul style="list-style-type: none"> <li>• 8 Hour Intersection Count – August 4, 2017</li> </ul>
McElhanney	Trapp Lake	<ul style="list-style-type: none"> <li>• 24-hour traffic counts and speed survey from July 26 – August 1 and August 5 – 10, 2021</li> </ul>

## 2.2. HEAVY VEHICLE CLASSIFICATION

The traffic counts that were conducted by McElhanney in July and August 2021 were done using the Houston Radar Armadillo Tracker data collection device that classifies data based on the approximate vehicle types and sizes shown in *Table 2*.

*Table 2: Vehicle Classification Definitions – Houston Radar Armadillo Tracker*

Vehicle Classification	Approximate Vehicle Length	Example Vehicle Types	FHWA Class
Small	<4 m	Motorcycles, “Smart” car	1
Medium	4 m to 6 m	Passenger vehicle – sedans, minivans, pickup trucks, etc.	2 & 3
Large	>6 m	Delivery vans, buses, dump trucks, and 18-wheelers	4 through 12

The annual average daily length distribution summary is shown in *Table 3*. Throughout the two count periods, daily truck volumes ranged from 90 to 300 trucks per day. On average, there were approximately 190 trucks per day, accounting for 15% of the traffic on the corridor.

*Table 3: Average Daily Vehicle Distribution Summary for 2021*

Vehicle Classification	Count #1 (July 26 – August 1, 2021)		Count #2 (August 5 – August 10, 2021)		Overall (Count #1 and Count #2)	
	Road <sup>1</sup>	% of Roadway	Road <sup>1</sup>	% of Roadway	Road <sup>1</sup>	% of Roadway
Small Vehicle (e.g., Motorcycle)	29	2%	24	2%	26	2%
Medium Vehicle (e.g. Sedan)	1026	85%	1085	82%	1053	83%
Large Vehicle (e.g. Truck)	161	13%	219	16%	188	15%

1. Average daily traffic over week where counts were collected

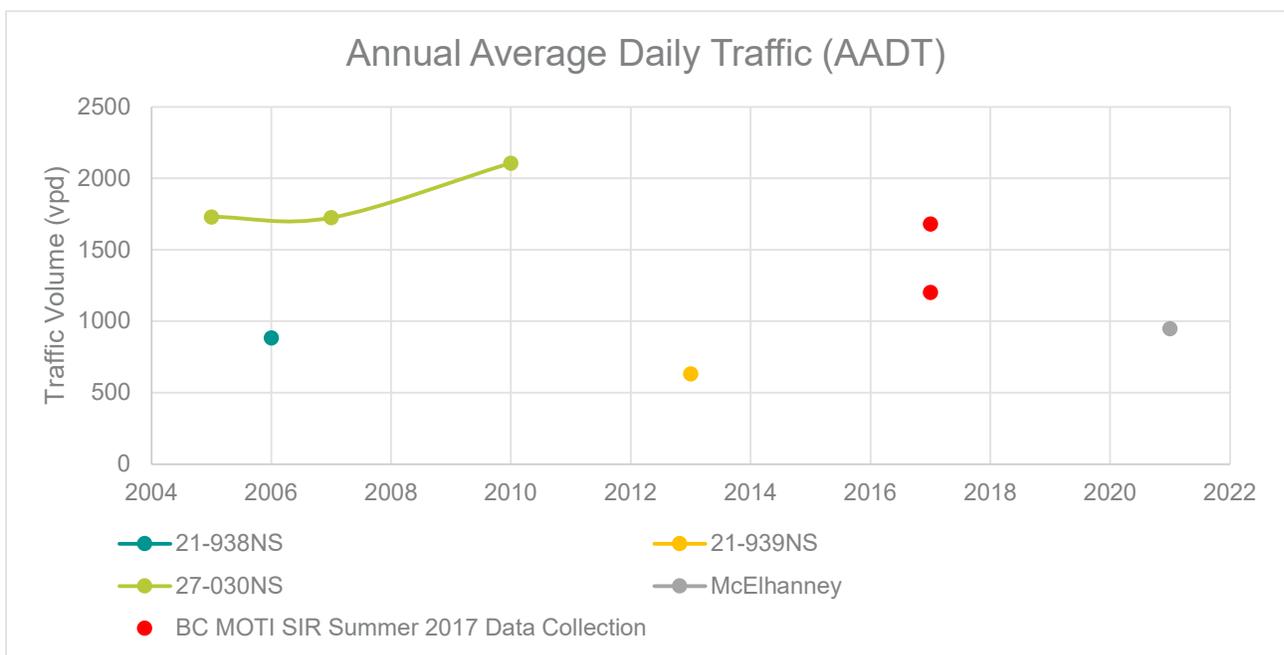


### 2.3. ANNUAL AVERAGE DAILY TRAFFIC VOLUMES

Figure 2 summarizes the annual average daily traffic (AADT) volumes between 2005 and 2021. AADT data along Highway 5A were obtained from short counts at the 27-030NS and 27-030 NS Ministry count stations. AADT data was estimated from the traffic counts conducted along Highway 5A at Trapp Lake by McElhanney from July 26 to August 1 and August 5 to 10, 2021. The 2021 AADT is estimated to be 950 vehicles per day (vpd).

Note that no permanent count station providing continuous 24 hour counts over the course of the entire year was available along the corridor. The 2021 AADT data was estimated by adjusting short count data based on 2020 time of year adjustment factors provided by the Ministry (refer to Appendix B).

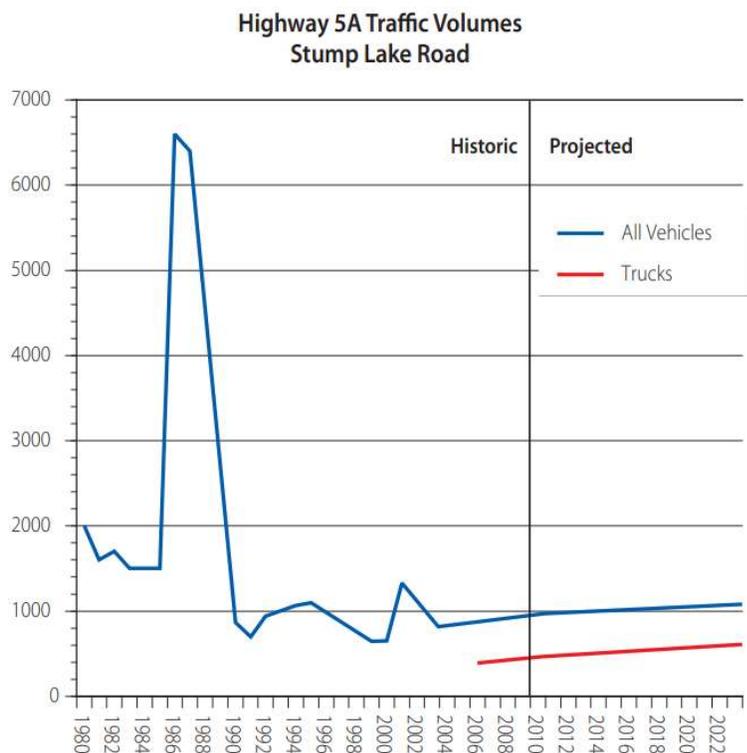
Figure 2: Annual Average Daily Traffic (AADT) Volumes – 2005 to 2021



Historical traffic count data was also provided in the *Highway 5A Safety Review* conducted by the Ministry in 2013, which is shown in Figure 3. As noted by the previous report, the “dramatic increase in traffic in 1986 coincides with the completion of the Coquihalla Highway and the use of Highway 5A for Kamloops bound traffic until the second phase of the Coquihalla was completed in 1988.”

Prior to the start of the Coquihalla project, Highway 5A traffic volumes ranged from 1,500 to 2,000 vpd. After the project was complete, traffic volumes along Highway 5A decreased, ranging from 700 to 1,300 vpd.

Figure 3 - Highway 5A Traffic Volumes - Stump Lake Road



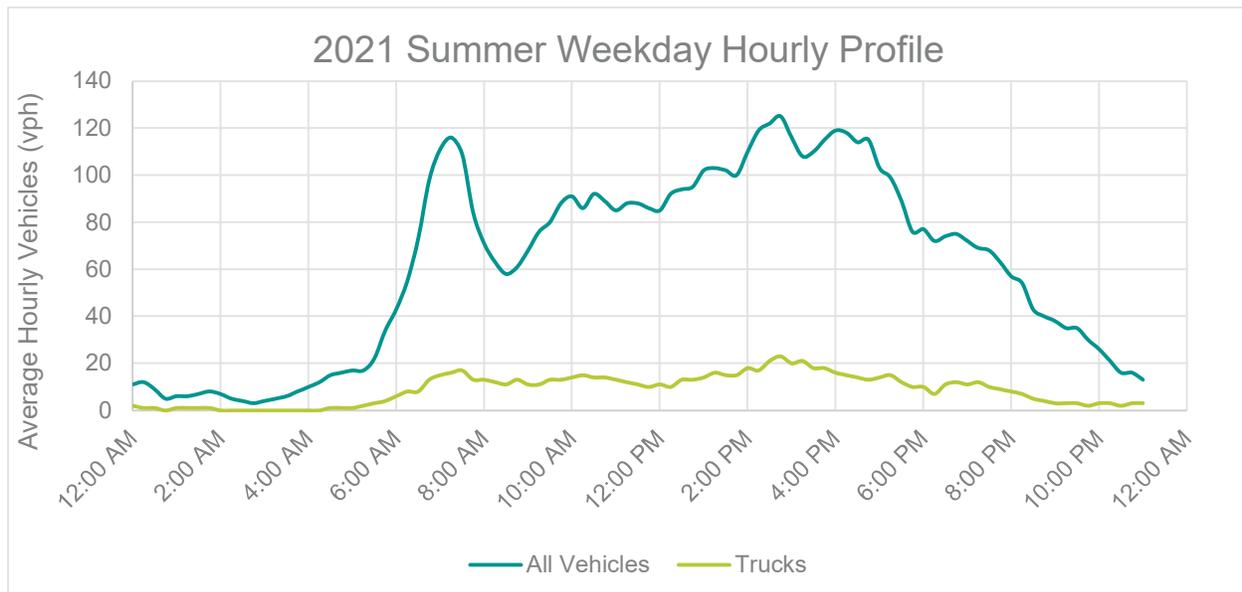
Source: Highway 5A Safety Review (BC Ministry of Transportation and Infrastructure, 2013)

## 2.4. HOURLY TRAFFIC VOLUMES

Figure 4 summarizes the summer average weekday hourly traffic volumes for 2021 based on McElhanney’s counts. As the counts included the BC Day long weekend (July 29 to August 1), only the data from Monday July 26 to Thursday July 29, 2021 was used in the average.



Figure 4: Summer Hourly Profile – 2021



As shown in [Figure 4](#), the roadway peak hour occurs between 2:00 PM and 3:00 PM. There is also an AM peak hour between 7:00 AM and 8:00 AM. The peak hour two-way average weekday summer traffic is about 125 veh/hr. The truck volumes follow a similar trend to the overall peak, with an AM peak between 7:00 AM and 8:00 AM and a PM Peak between 2:00 PM and 3:00 PM. The peak hour two way average summer truck traffic is about 25 trucks/hr.

## 2.5. COMPARISON TO HIGHWAY 5 (COQUIHALLA HIGHWAY) TRAFFIC VOLUMES

A comparison of historical traffic volumes between Highway 5A and Highway 5 (Coquihalla Highway) is provided in [Tables 4](#) through [6](#). The Highway 5 data represents traffic volumes just south of the Afton Interchange (i.e. the junction of Highway 5 and Highway 1/97), which was obtained from Ministry permanent count sites P-21-3NS (Highway 5, just south of the interchange) and P-21-2EW (Highway 1/97, just west of the interchange).

Over the past nine years, the two-way AADT volumes on Highway 5 has ranged from 9,100 to 10,500 vpd compared to 650 to 1,450 vpd on Highway 5A. Daily truck volumes are 10 to 25 times greater on Highway 5 when compared to Highway 5A. Looking at the 2021 combined demand for the two corridors, approximately 3% of the 1,950 daily southbound trucks are using Highway 5A while 97% are using Highway 5. Of the 1,850 daily trucks in the northbound direction, approximately 6% and 94% are using Highway 5A and Highway 5, respectively.

Table 4: Comparison of Highway 5 and Highway 5A Historical Volumes – Two-Way Volumes

Year	Highway 5A			Highway 5 (Coquihalla Highway)		
	AADT	Daily Trucks	% Trucks	AADT	Daily Trucks	% Trucks
2013	650	250	38%	-	-	-
2014	-	-	-	9200	3000	33%
2015	-	-	-	9750	3100	32%
2016	-	-	-	9900	3100	31%
2017	1450	280	19%	9850	3200	32%
2018	-	-	-	9850	3200	32%
2019	-	-	-	10500	3350	32%
2020	-	-	-	9100	3300	36%
2021	950	150	16%	9750	3650	37%

1. "-" indicates that traffic data is not available for that year.

Table 5: Comparison of Highway 5 and Highway 5A Historical Volumes – Northbound Volumes

Year	Highway 5A			Highway 5 (Coquihalla Highway)		
	AADT	Daily Trucks	% Trucks	AADT	Daily Trucks	% Trucks
2013	325	125	38%	-	-	-
2014	-	-	-	4550	1450	32%
2015	-	-	-	4800	1500	31%
2016	-	-	-	4900	1500	31%
2017	750	110	15%	4850	1550	32%
2018	-	-	-	4850	1550	32%
2019	-	-	-	5150	1600	31%
2020	-	-	-	4500	1600	36%
2021	475	100	21%	4800	1750	36%

1. "-" indicates that traffic data is not available for that year.



Table 6: Comparison of Highway 5 and Highway 5A Historical Volumes – Southbound Volumes

Year	Highway 5A			Highway 5 (Coquihalla Highway)		
	AADT	Daily Trucks	% Trucks	AADT	Daily Trucks	% Trucks
2013	325	125	38%	-	-	-
2014	-	-	-	4650	1550	33%
2015	-	-	-	4950	1600	32%
2016	-	-	-	5000	1600	32%
2017	700	170	24%	5000	1650	33%
2018	-	-	-	5000	1650	33%
2019	-	-	-	5350	1750	33%
2020	-	-	-	4600	1700	37%
2021	475	50	11%	4950	1900	38%

1. "-" indicates that traffic data is not available for that year.



### 3. Safety Analysis

Complete collision data for the study corridor was obtained from the Ministry for a 15-year period (2005 - 2019) and has been used in the safety analysis. Partial data was also obtained for 2020 and 2021 but has only been used to review the recent severe collisions along the corridor. The collision data, which can be found in [Appendix C](#), was extracted from the Ministry's Collision Information System (CIS) database which summarizes the severity and type of collisions that occurred within the area. The database is based on RCMP collision reports, who typically only attend more serious collisions (i.e. collisions which involved injuries or fatalities).

All collision data have been divided into four categories:

- Last 15 Years – All Vehicles (2005-2019)
- Last 15 Years – Trucks (2005-2019)
- Last 5 Years – All Vehicles (2015-2019)
- Last 5 Year – Trucks (2015-2019)

#### 3.1. COLLISION HISTORY

Between 2005 and 2019, a total of 258 collisions were recorded along the study corridor, as shown in [Figure 5](#). Of these collisions, 102 (approximately 40%) involved trucks.

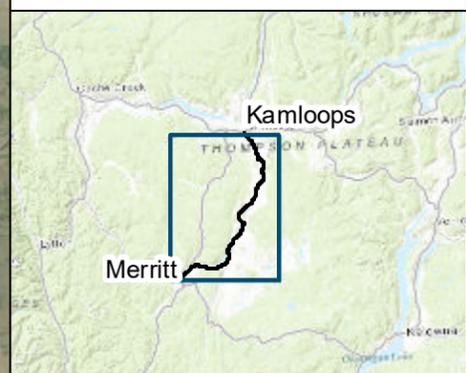
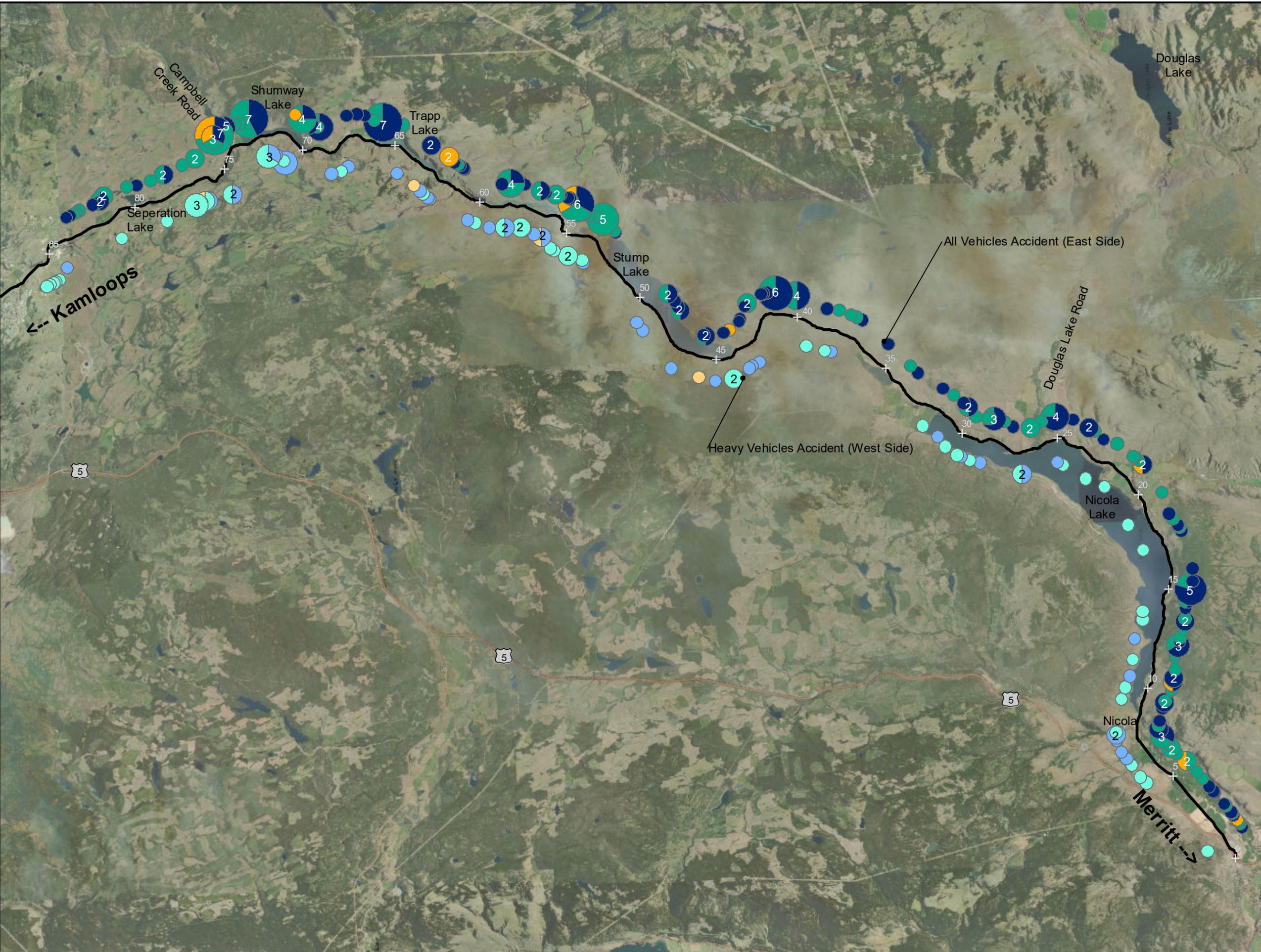
Over the last 5-year period between 2015 and 2019, a total of 74 collisions were recorded including 29 (approximately 39%) truck related collisions. The locations of the collisions for the 5-year period are shown on [Figure 6](#).

# Highway 5A Safety Review

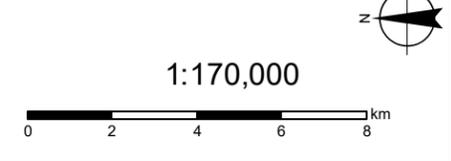
## Merritt to Kamloops

Figure 5 - Spatial Distribution of Collision Severity

Crash Severity: 2005-2019



UTM NAD 83 Zone 10  
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Map Author: J. Leimanis  
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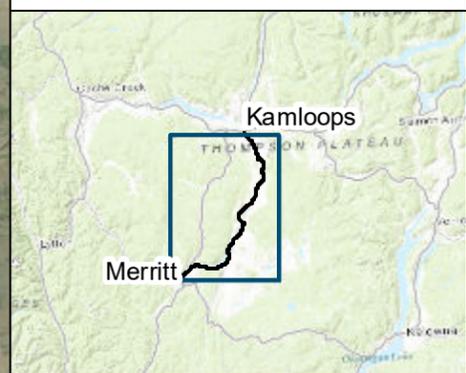


# Highway 5A Safety Review

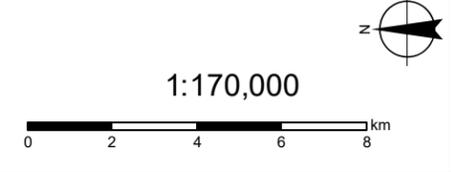
## Merritt to Kamloops

Figure 6 - Spatial Distribution of Collision Severity

Crash Severity: 2015-2019



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Map Author: J. Leimanis  
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### 3.1.1. Collision Severity

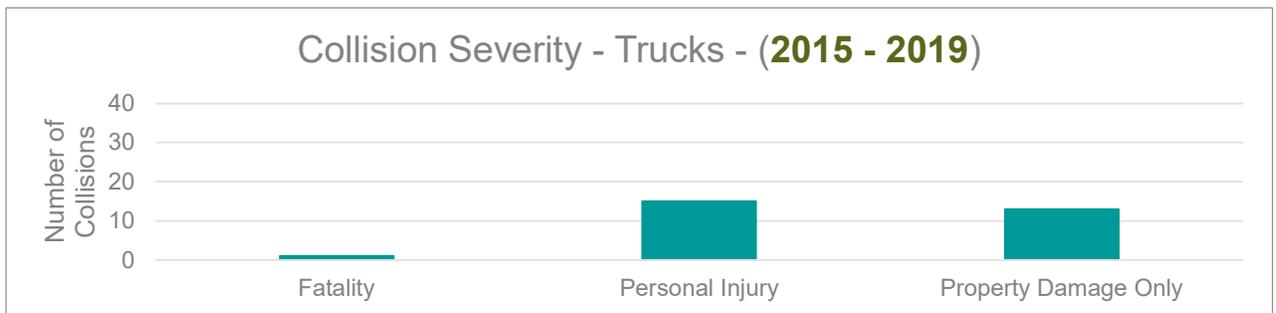
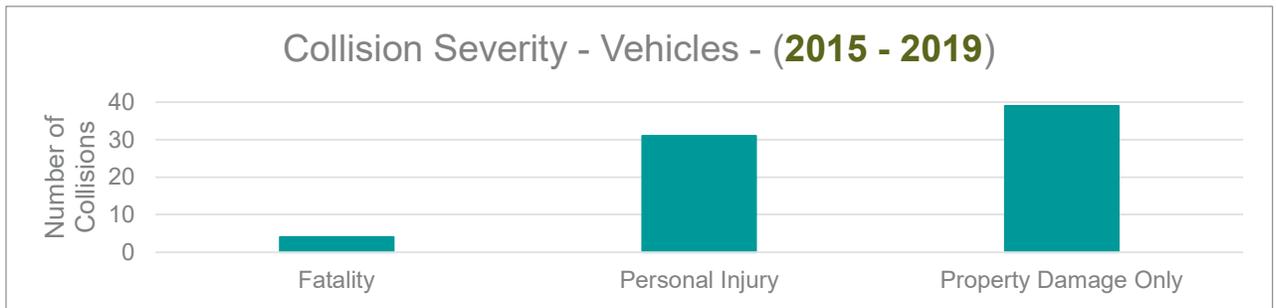
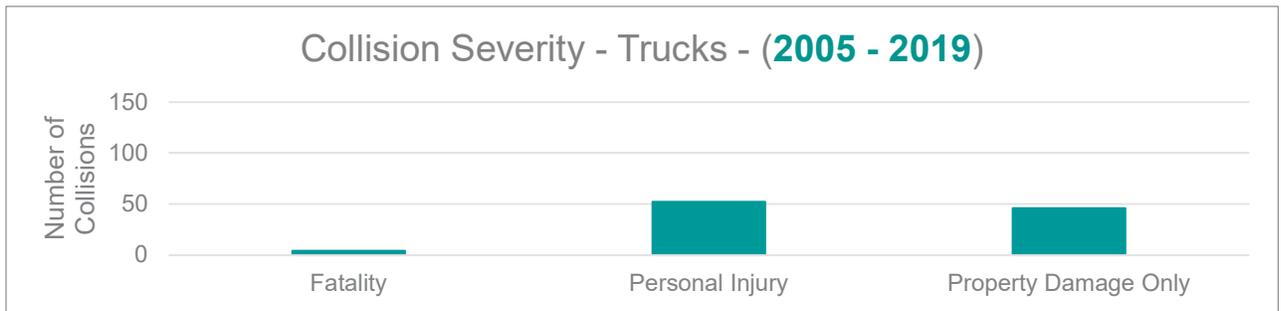
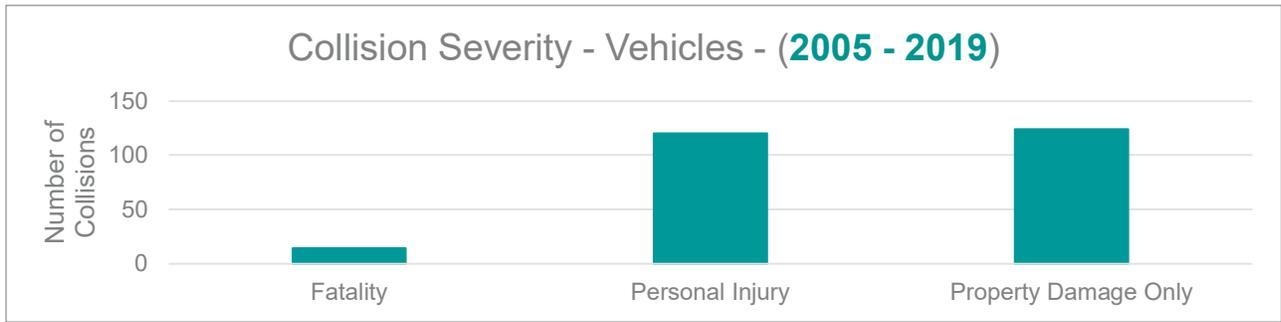
An analysis of collision severity was performed on the past 15 years and past 5 years of collision data to obtain a better representation of current conditions. The previous 5-year collision periods allow for a direct comparison to provincial average data, which is also based on a 5-year collision period. *Figure 7* presents the collision severity.

Of the 258 collisions from 2005-2019, 124 (48%) were property damage only, 120 (47%) resulted in injury only, and 14 (5%) resulted in a fatality. Five of the fatal collisions were recorded as head on collisions, five were from off road right collisions, three were off road left collisions, and one was unknown. When looking at the 102 truck involved collisions from 2005-2019, 46 (45%) were property damage only, 52 (51%) involved injuries, and 4 (4%) resulted in a fatality.

For the 5-year period, from 2015-2019, of the 74 collisions, 39 (53%) resulted in property damage only, 31 (42%) resulted in personal injury, and 4 (5%) resulted in fatalities. Of the 29 truck involved collisions, 13 (45%) were property damage only, 15 (52%) involved injuries, and 1 (3%) resulted in a fatality.

Of the partial data from 2020 and 2021, there have been four severe collisions recorded – three injury related and one fatality. The fatality involved a single passenger car and was the result of excessive speed over 40 km/h. Two of the three injury collisions involved trucks.

Figure 7: Collision Severity



### 3.1.2. Collision Occurrence

*Figure 8, Figure 9, Figure 10, and Figure 11* present the year, month, week, and hour of collision occurrence respectively for the most recent five years of data. The trends that can be seen from the figures are:

- From 2005-2019, recorded collisions generally remain consistent. However, there is a noticeable drop in collisions after 2005 and 2006 (38 and 30 collisions respectively) compared to the next highest year in 2010 (21 collisions).
- There does not appear to be any significant collision trends from month to month. The most collisions occurred in May, August, and November from 2005-2015 and the least occurred in March and December.
- Most collisions occurred during the weekday, with Wednesday seeing the most collisions.
- The peak time for collisions aligns with the PM peak traffic volumes around 2PM.
- When comparing all vehicle collisions to truck involved collisions, the trends appear to be similar with no significant differences.



Figure 8: Collision Occurrence – By Year

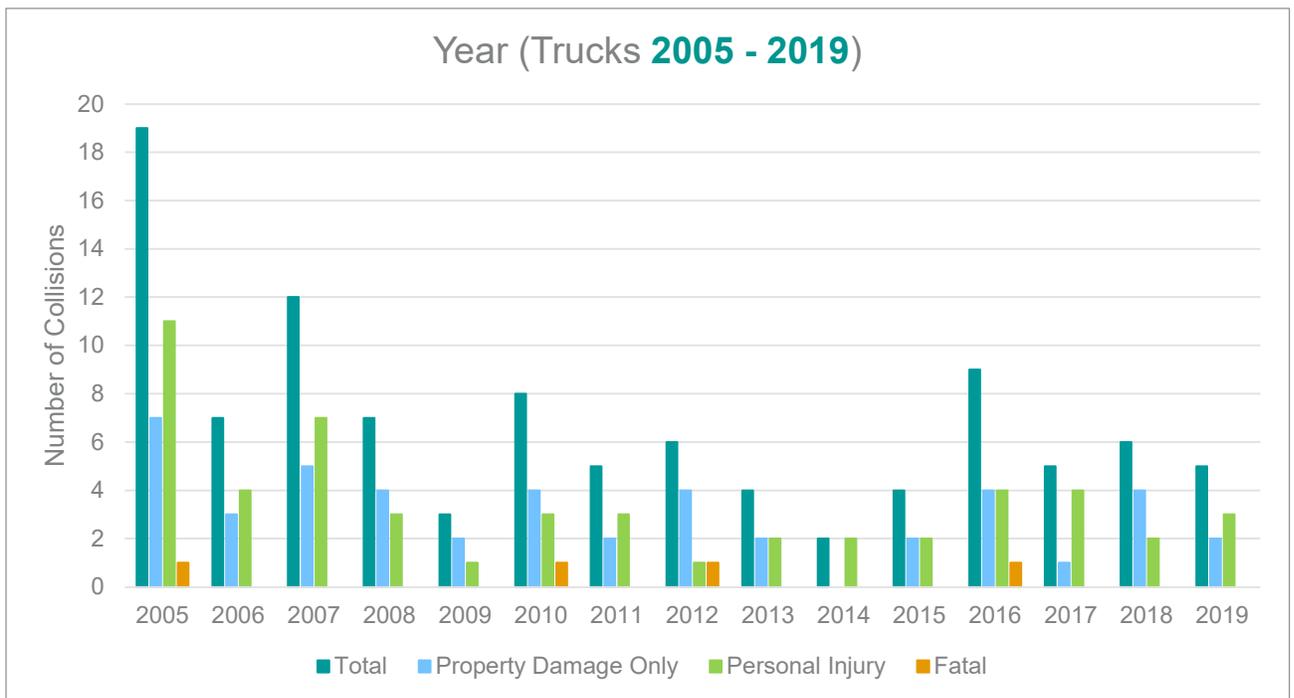
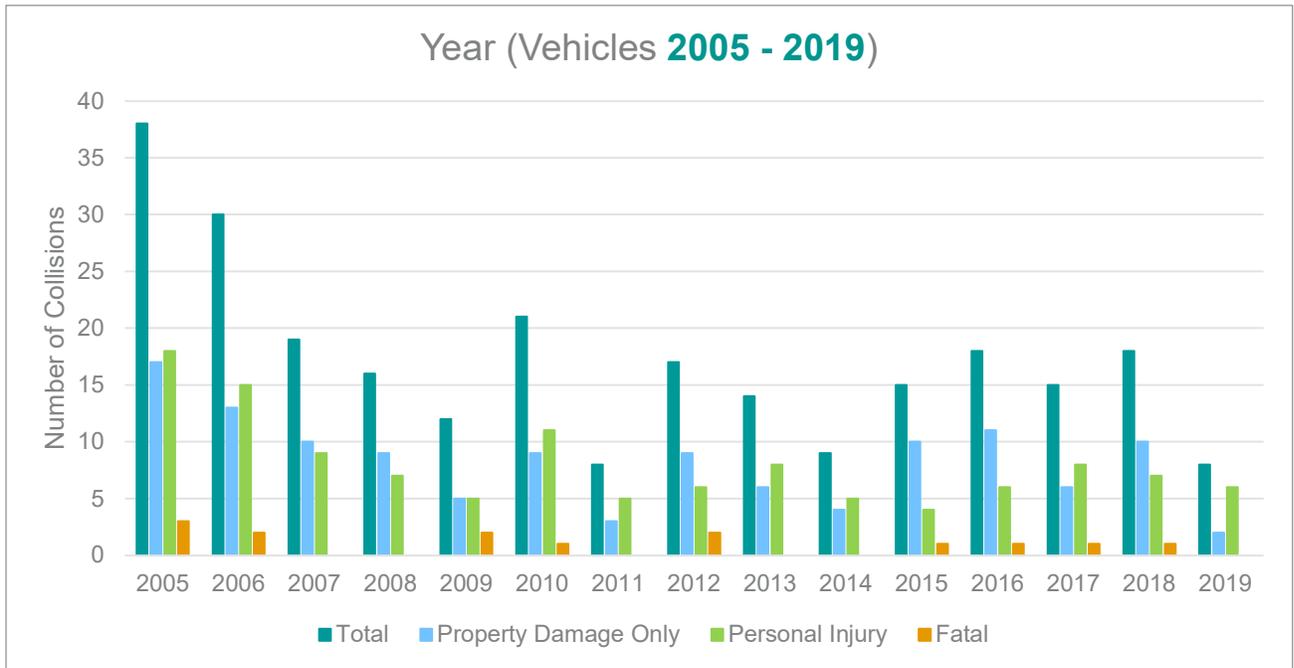


Figure 9: Collision Occurrence – By Month

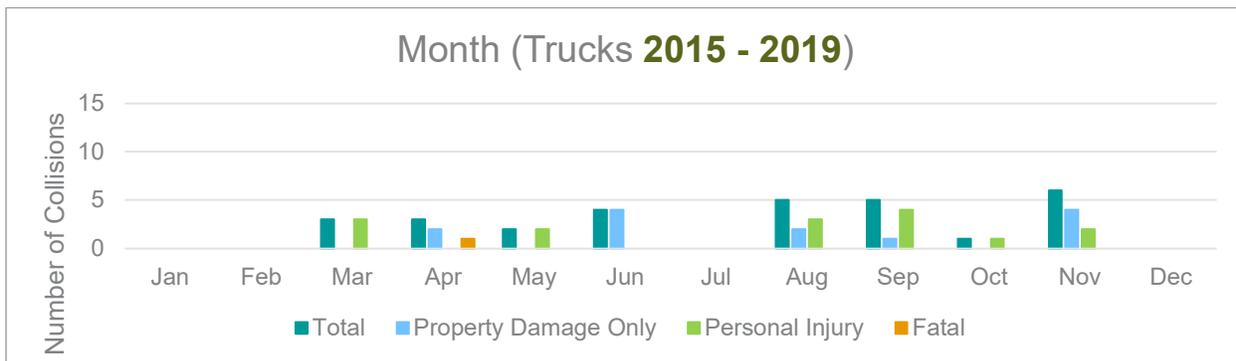
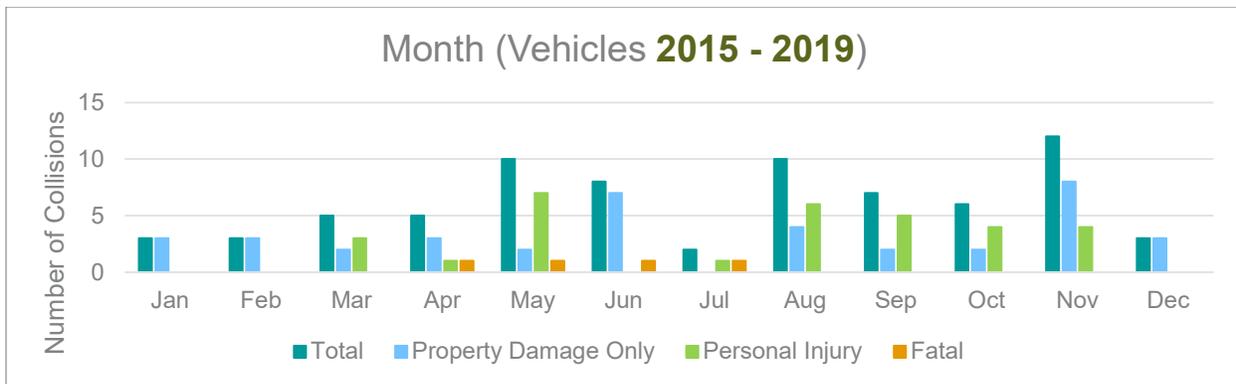
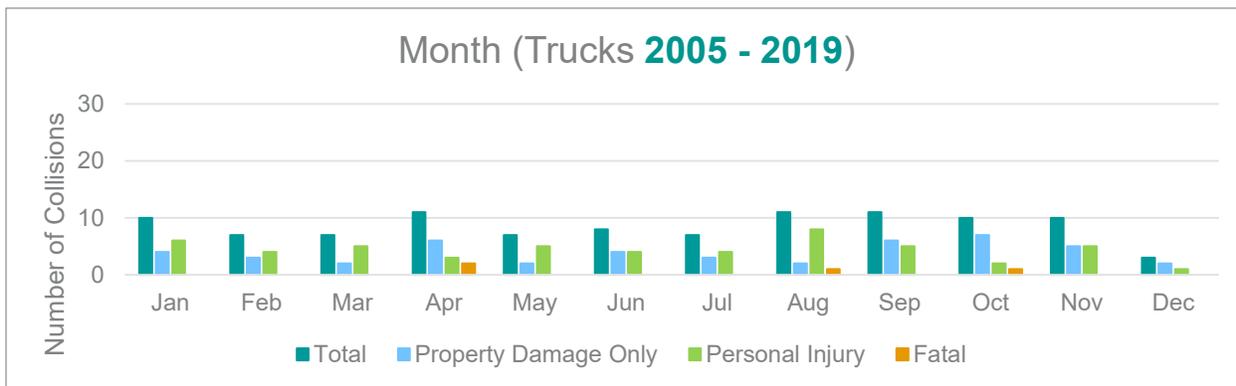
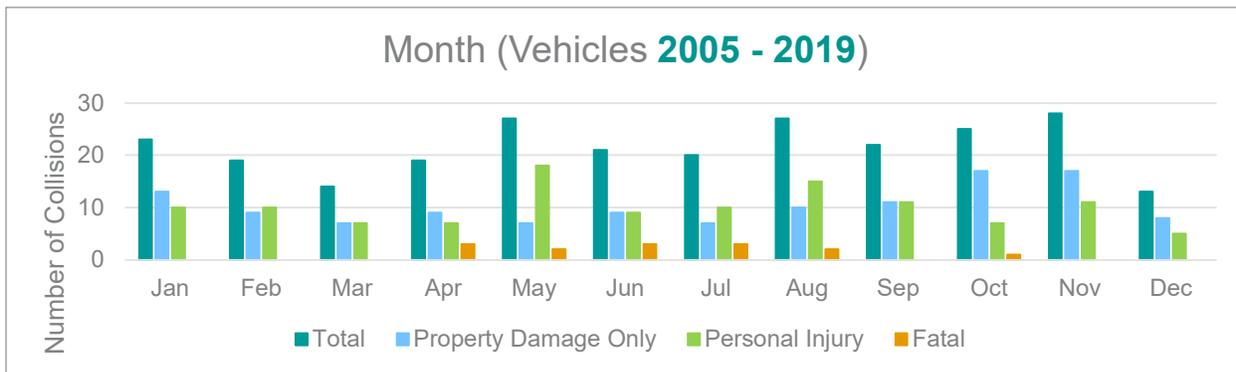


Figure 10: Collision Occurrence – By Day

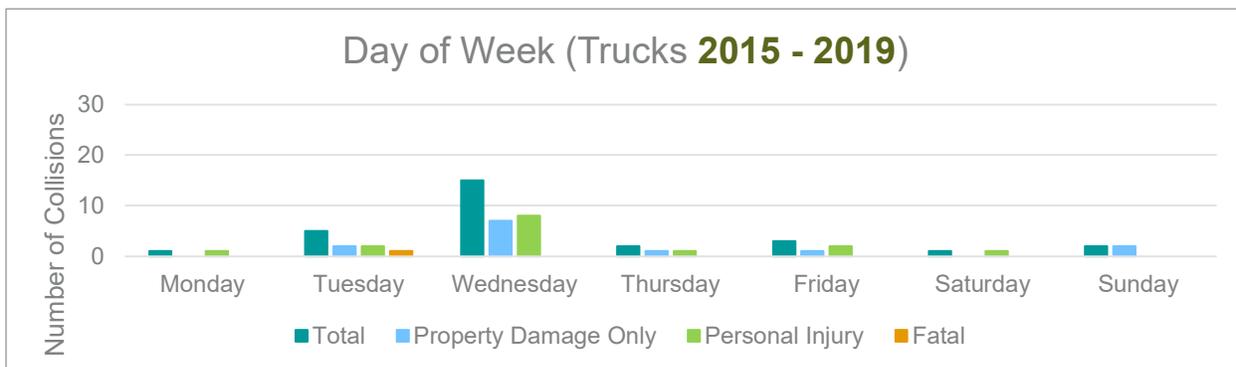
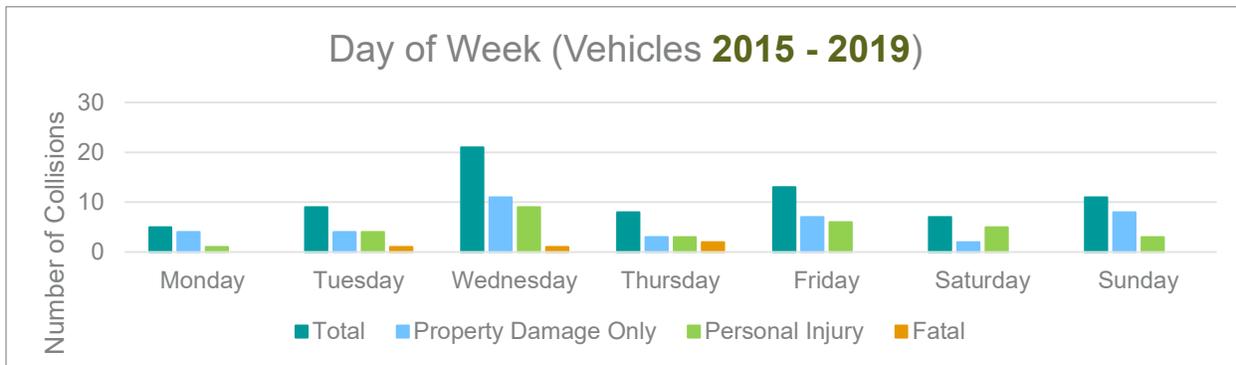
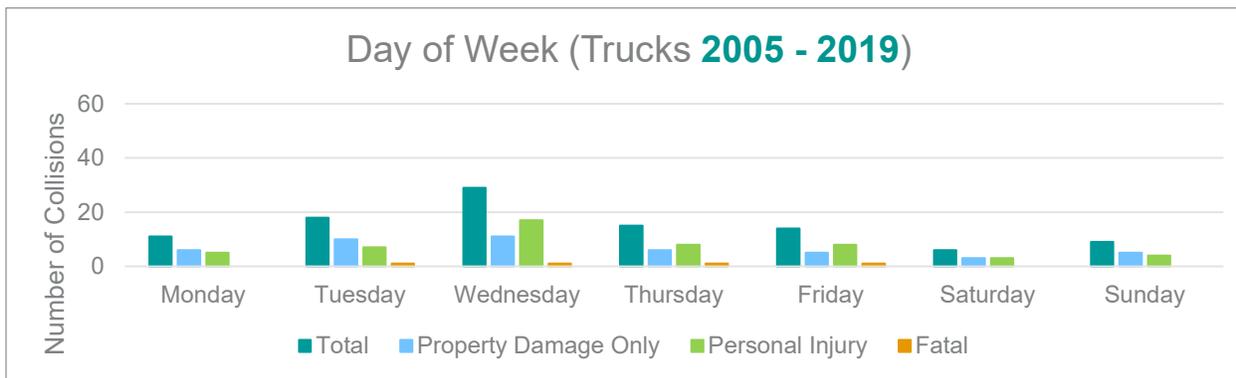
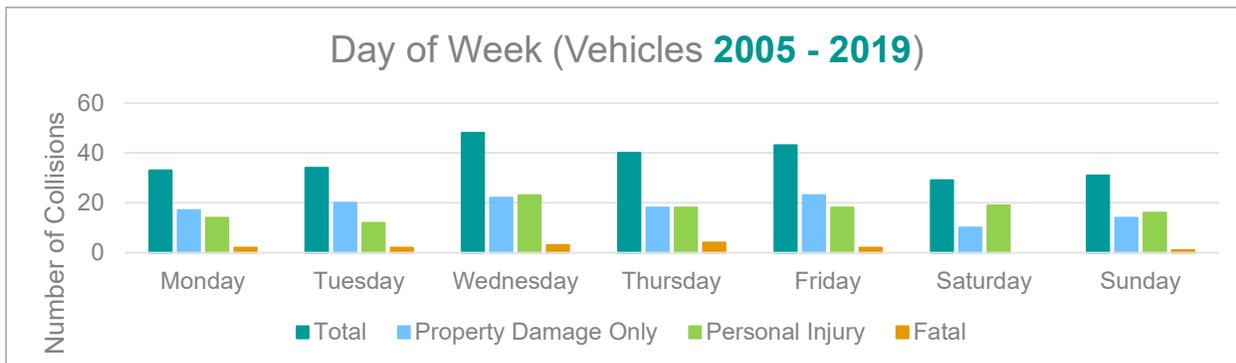
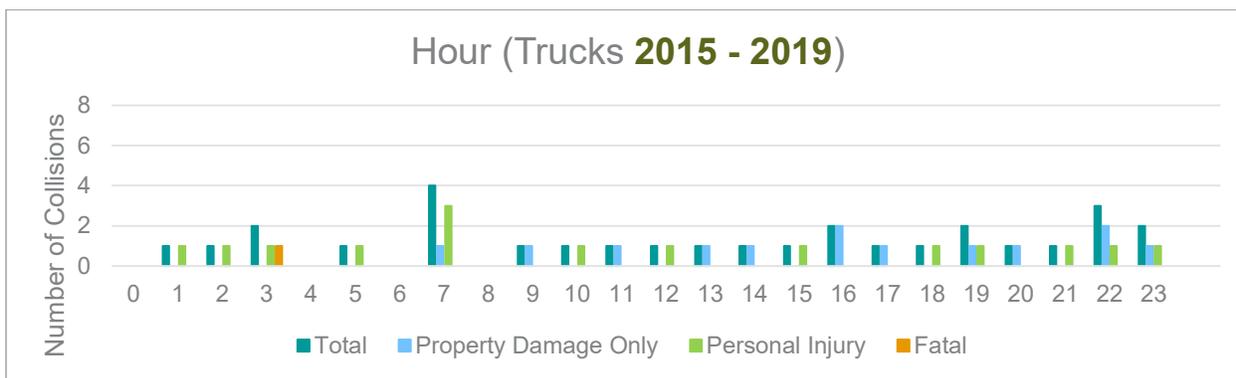
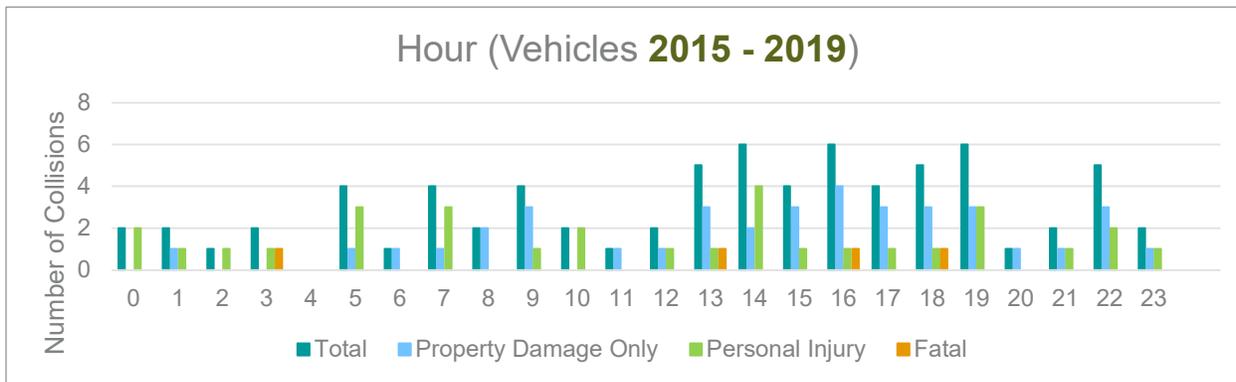
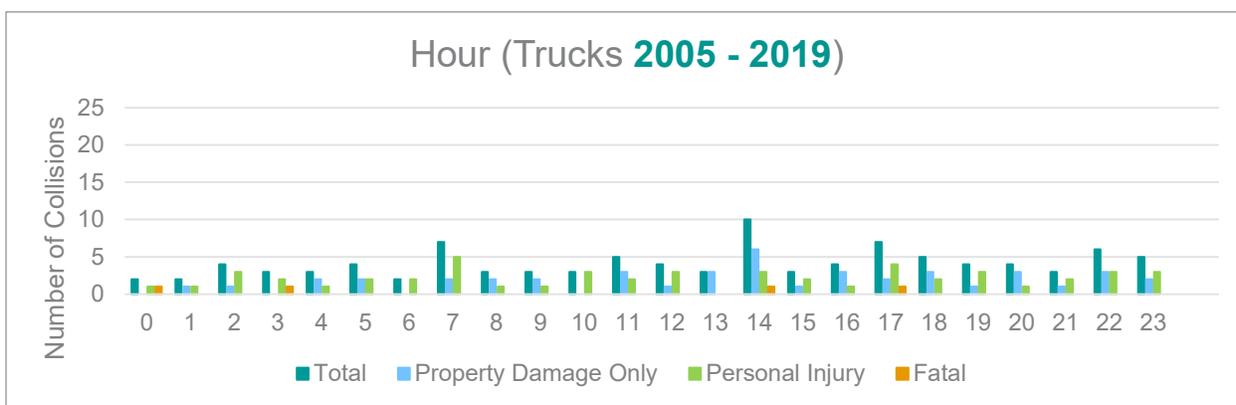
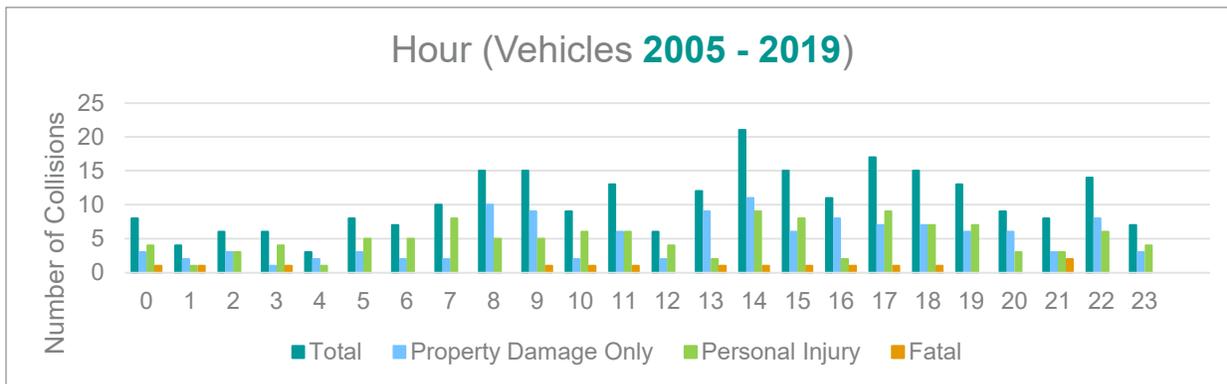


Figure 11: Collision Occurrence – By Hour



### 3.1.3. Collision Type

The types of collisions on the project corridor are presented in *Figure 12* and *Figure 13*. The trends found are summarized below:

- Off road right are the most common collision types, accounting for 38% and 34% of incidents from 2005-2019 and 2015-2019, respectively.
- Off road left were the second most common collision type, accounting for 27% and 30% of incidents from 2005-2019 and 2015-2019, respectively.
- Fatal collisions were the result of head on collisions, off road right collisions, and off road left collisions, with one collision being cited as “other.”
- Similar trends in the collision type are seen when comparing all vehicle collisions to truck only collisions.



Figure 12: Collision Type (2005-2019)

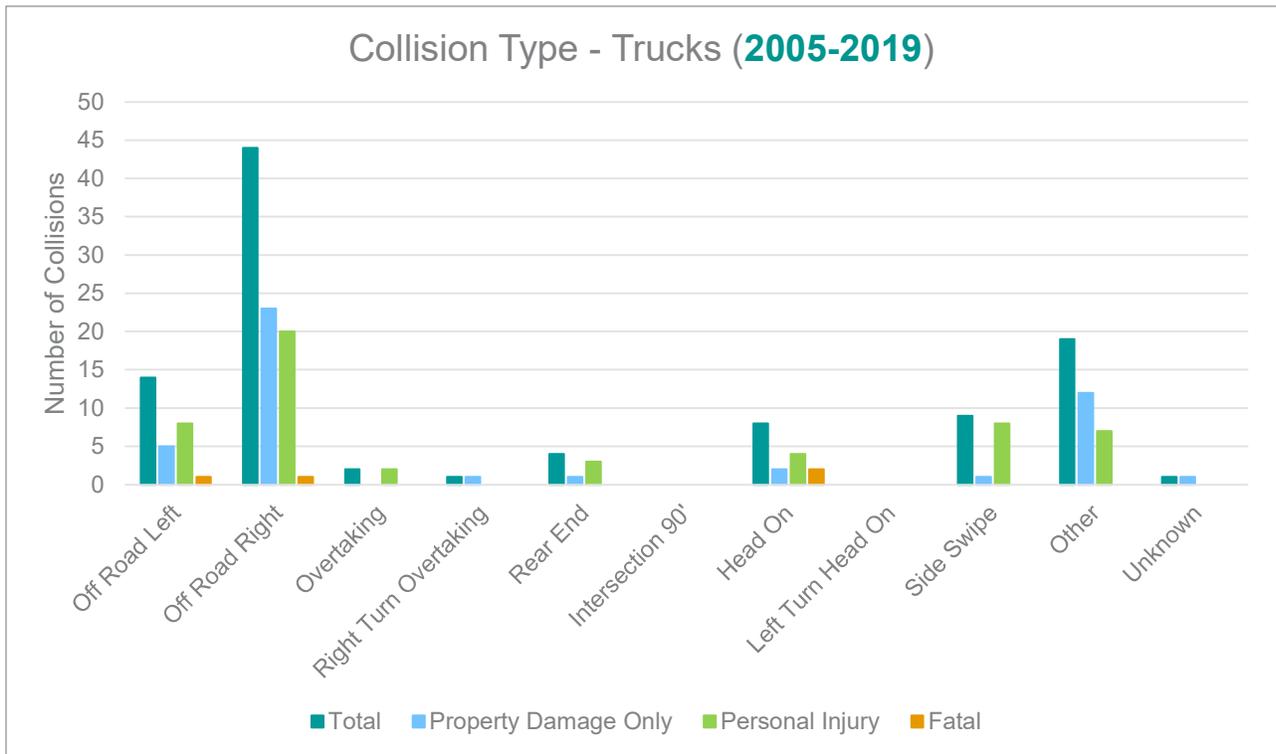
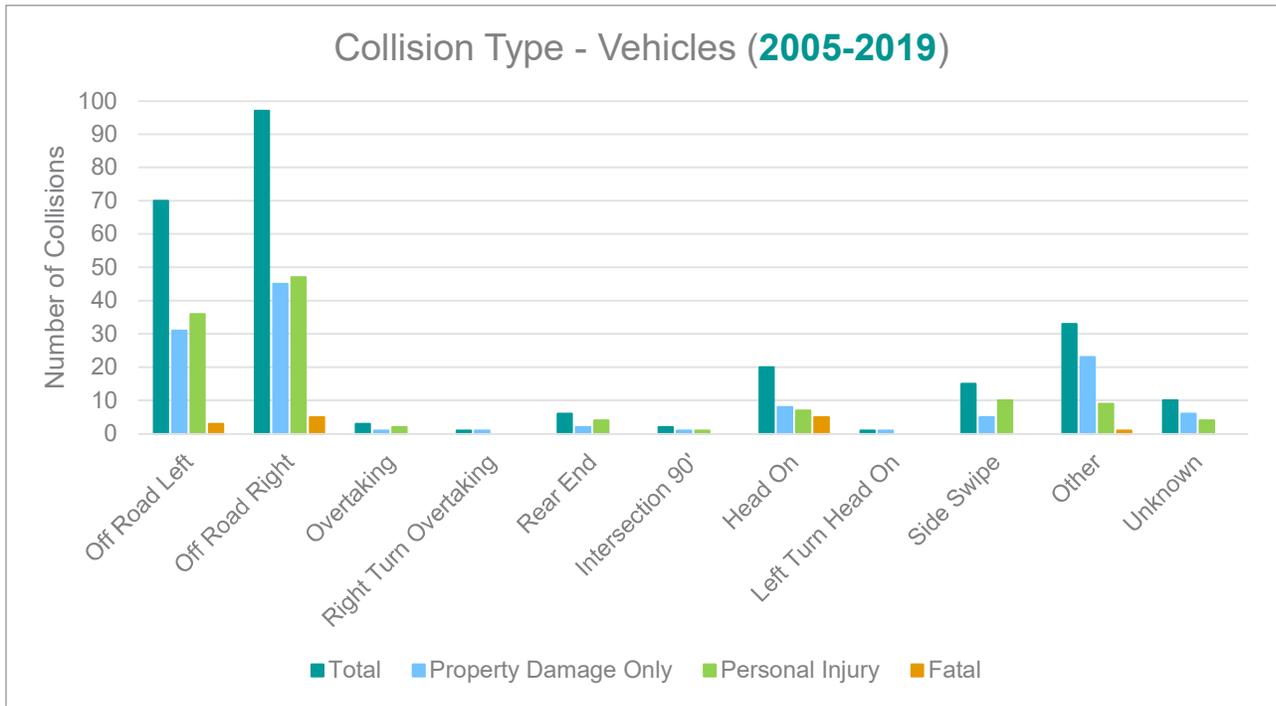
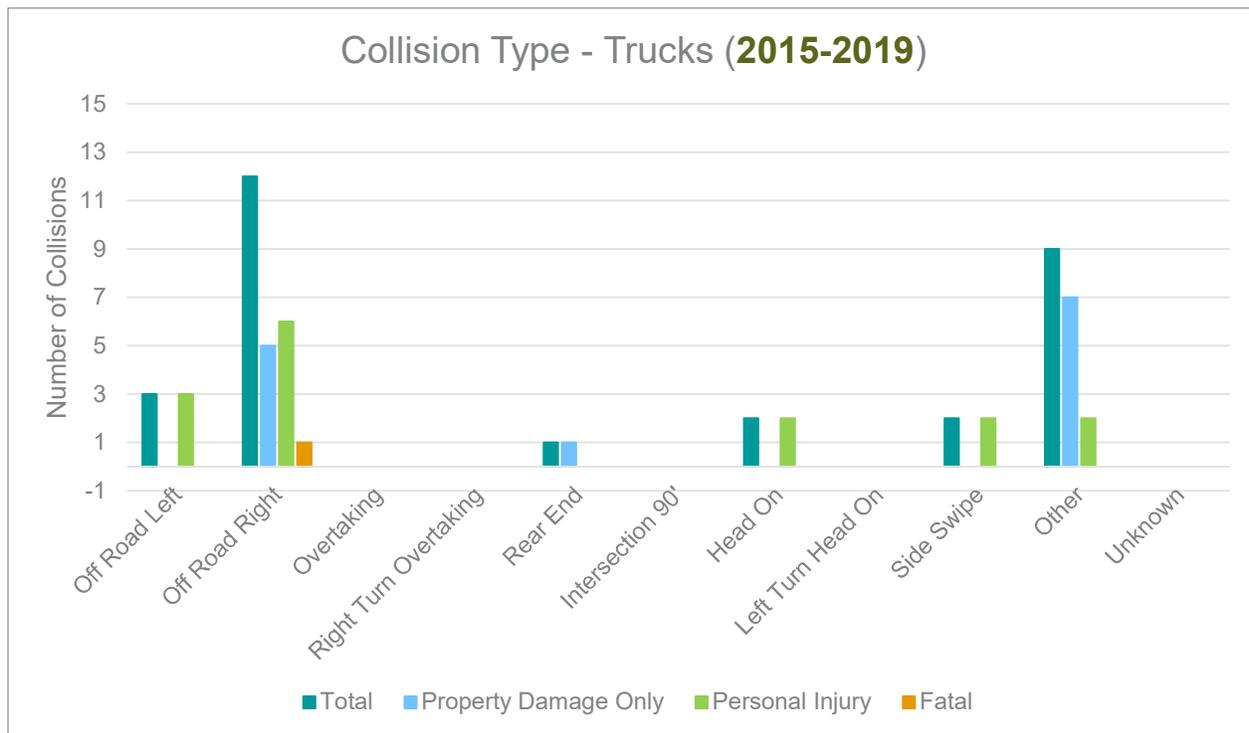
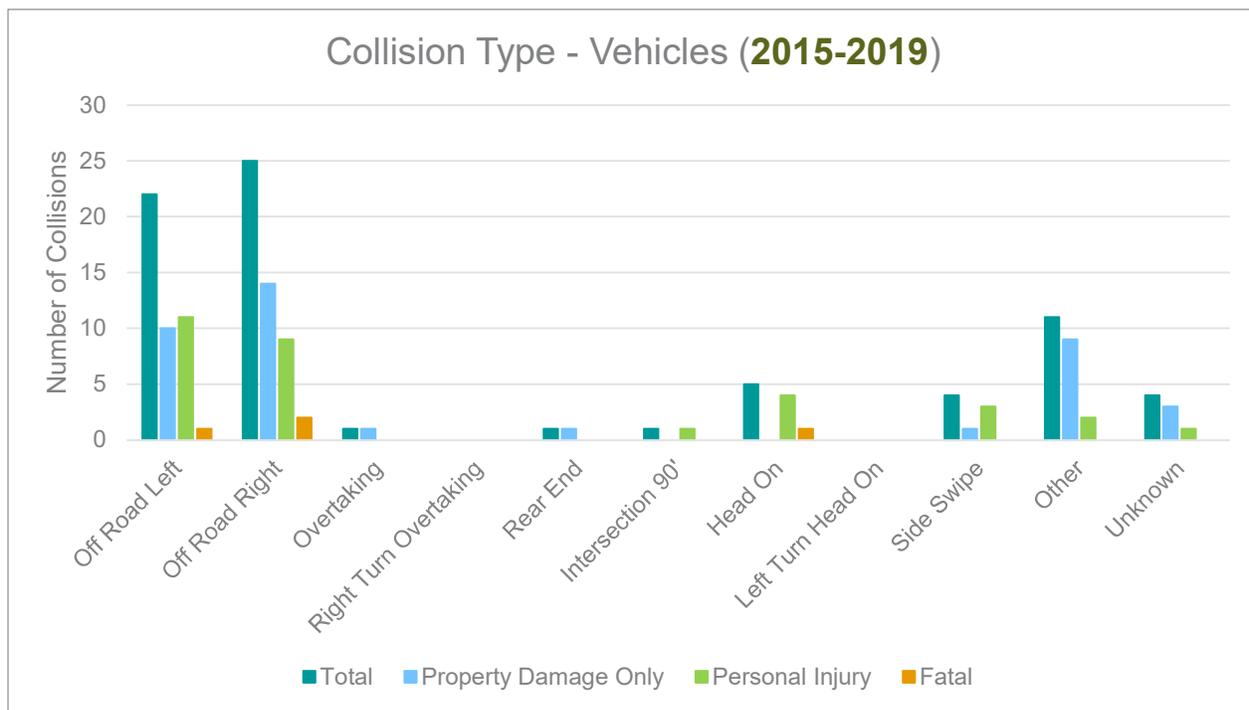


Figure 13: Collision Type (2015-2019)



### 3.1.4. Contributing Factor

Figure 14 and Figure 15 show the collisions on the study corridor based on the main contributing factors. Driver error / inattentiveness is the leading cause of incidents and accounts for 35% of collisions and 23% of collisions from 2005 - 2019 and 2015 - 2019, followed by speeding, animal / wildlife, and weather. Note that only the primary collision factors were considered. Secondary contributing factors were provided for many of the collisions but were not included in the graphs below. Speeding, driver inattentiveness, and driver confusion / error were common secondary contributing factors.

Figure 14: Contributing Factor (2005-2019)

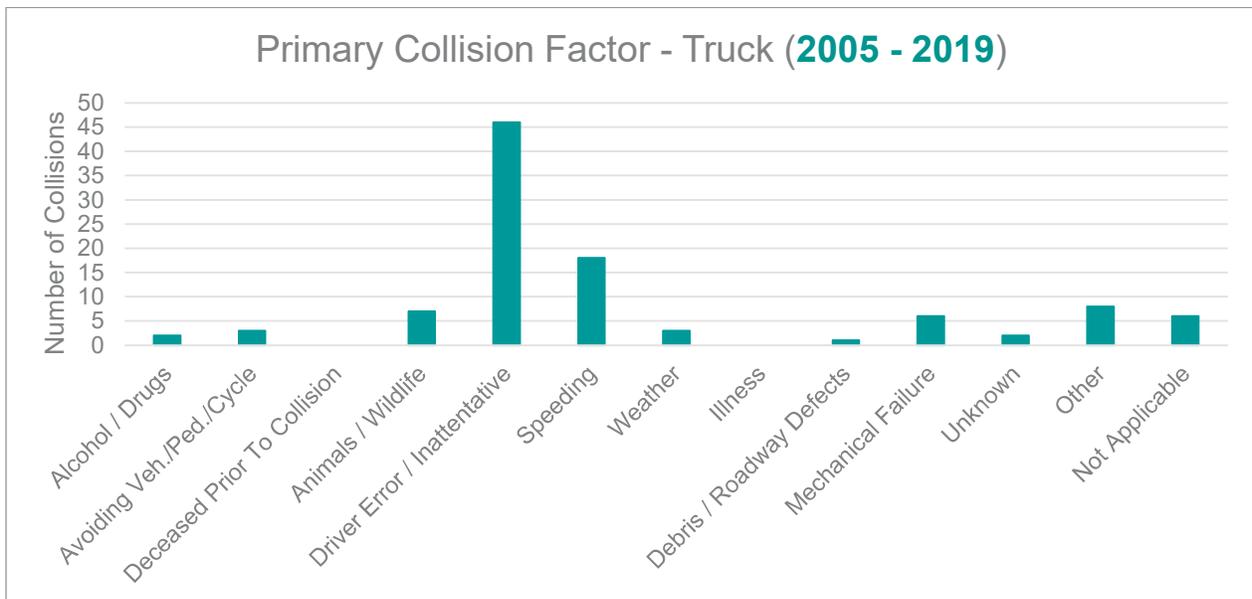
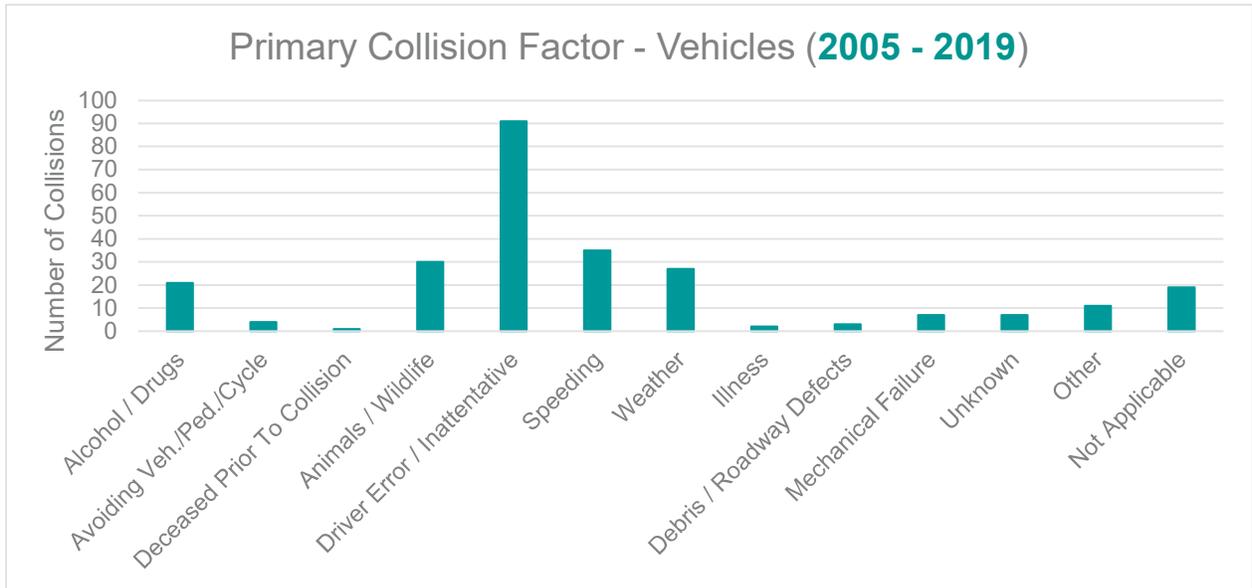
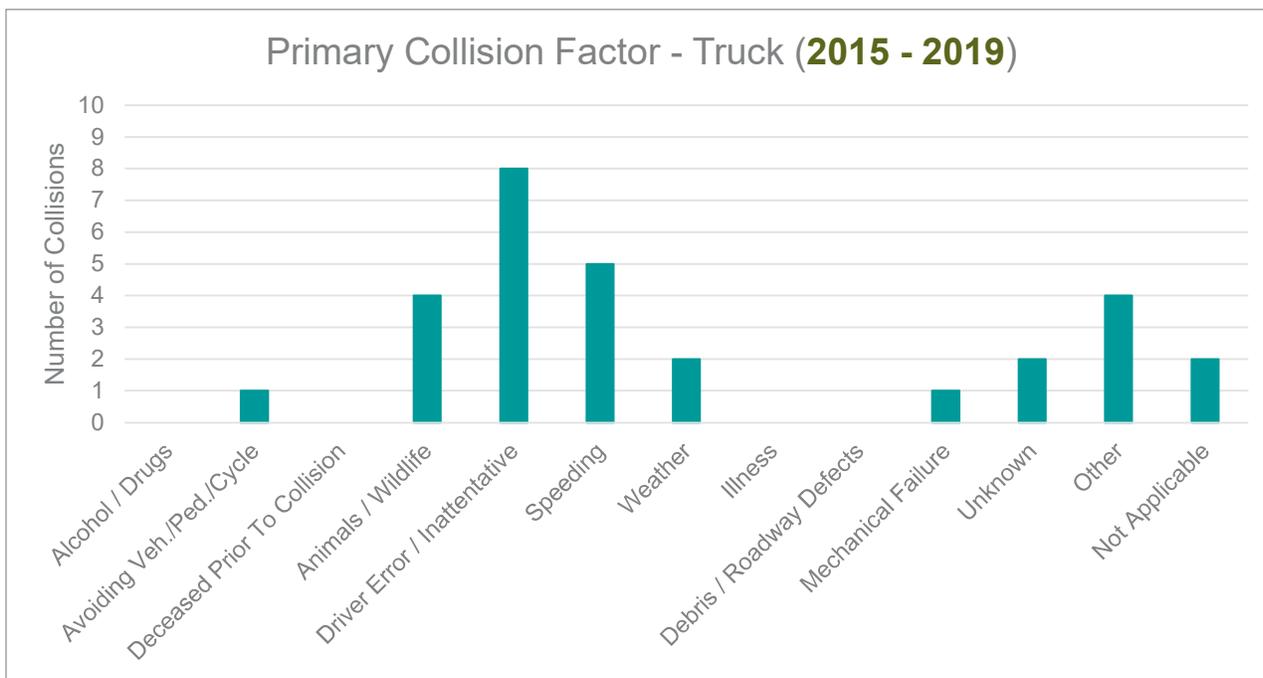
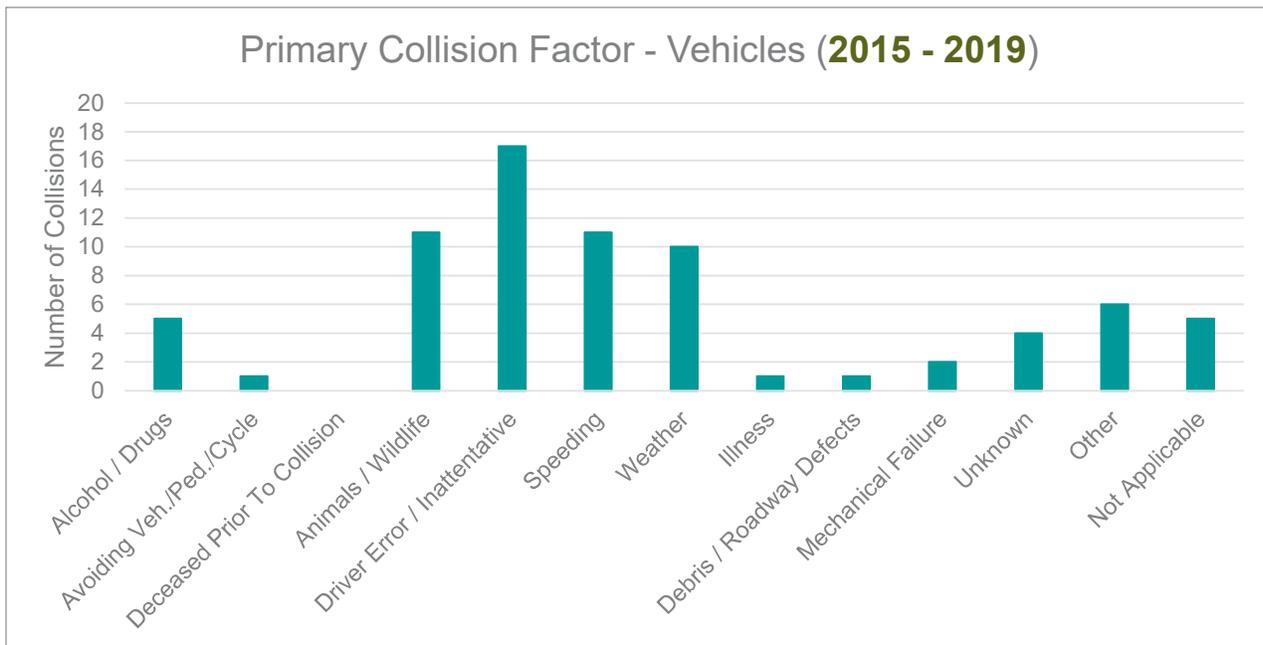


Figure 15: Contributing Factor (2015-2019)



### 3.1.5. Conditions

*Figure 16*, *Figure 17*, and *Figure 18* show the roadway, weather, and lighting conditions for incidents along the study corridor. Trends in the data are summarized below:

- The majority of collisions occurred in dry conditions, followed by wet and ice conditions.
- Almost all collisions occurred during clear or cloudy conditions. A smaller percentage occurred during raining and snowing conditions (4% and 10% from 2005 - 2019 and 2015 – 2019, respectively).
- Over the last 5-year period, 60% of collisions occurred during daylight collisions followed by 35% during dark / no illumination conditions. A larger portion of collisions involving trucks over the last 5-years occurred during dark / no illumination conditions, with 48% of collision occurring during daylight and 44% during dark / no illumination conditions.



Figure 16: Roadway Conditions

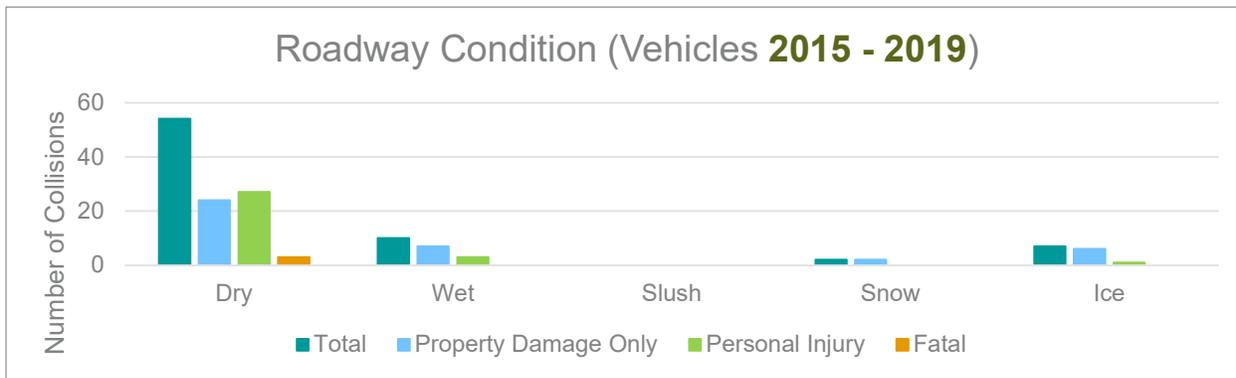
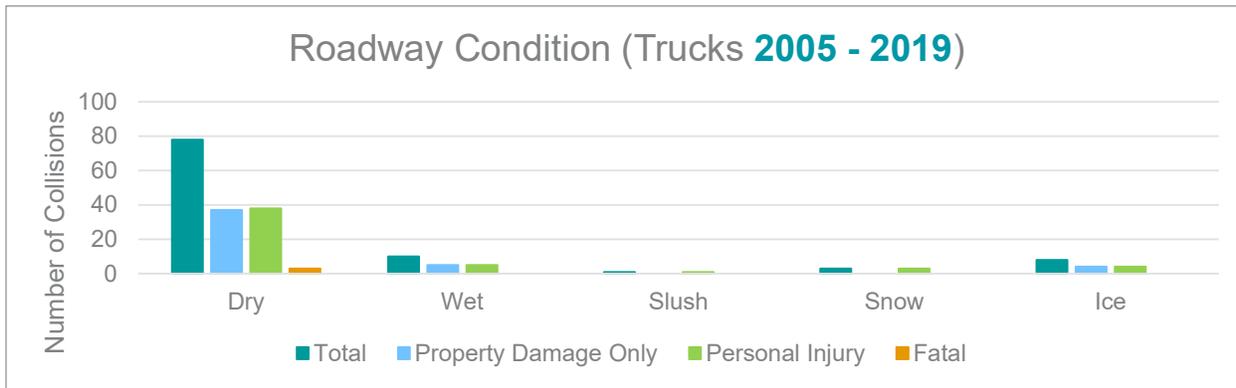
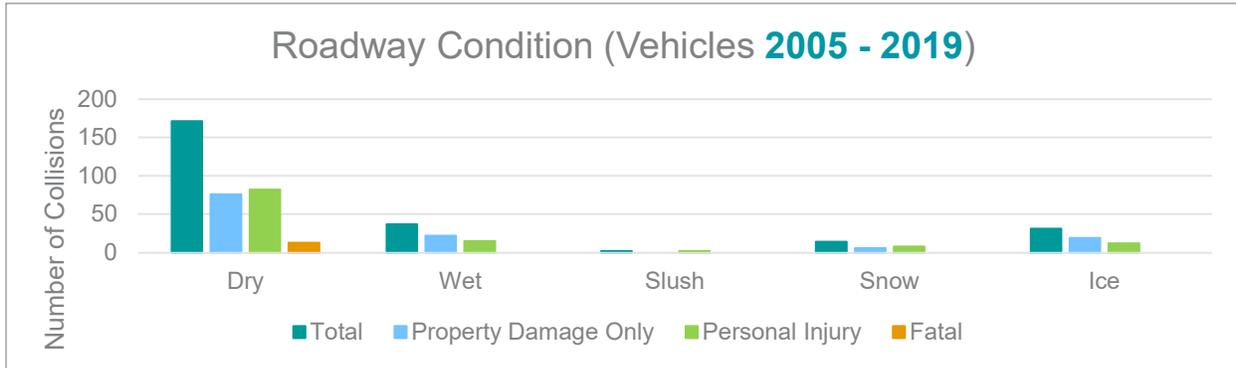


Figure 17: Weather Conditions

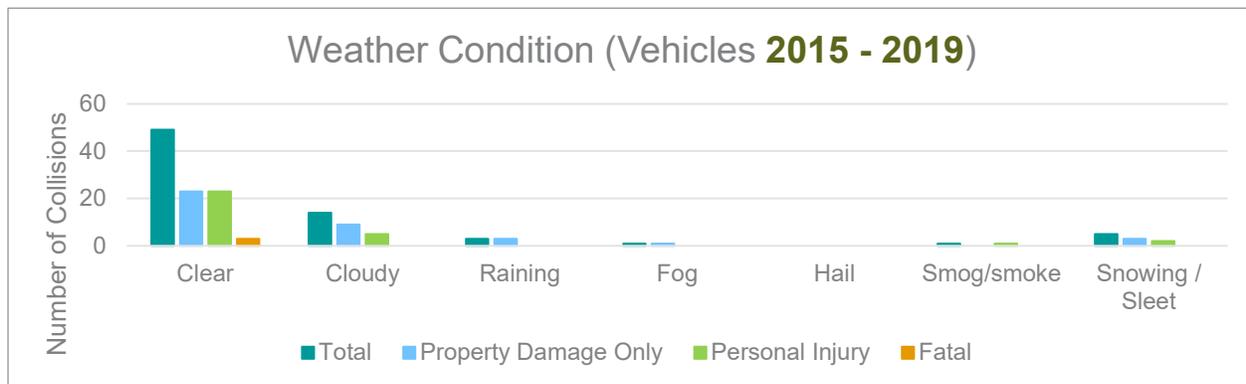
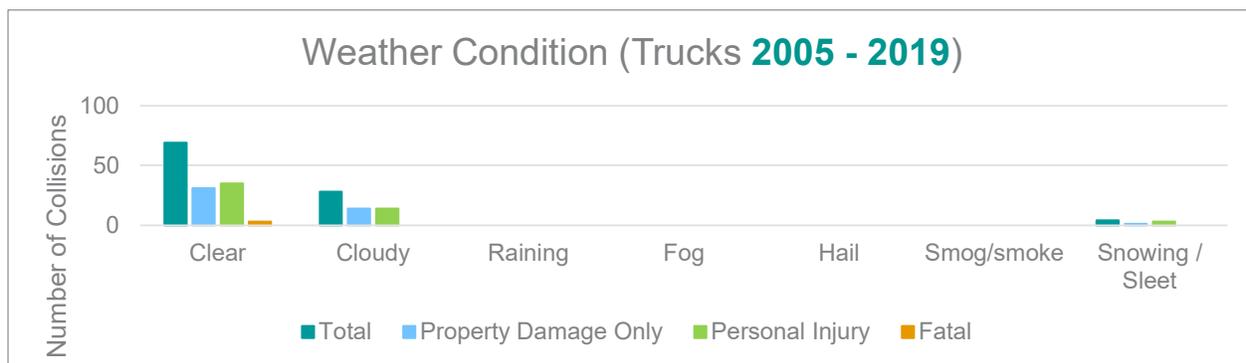
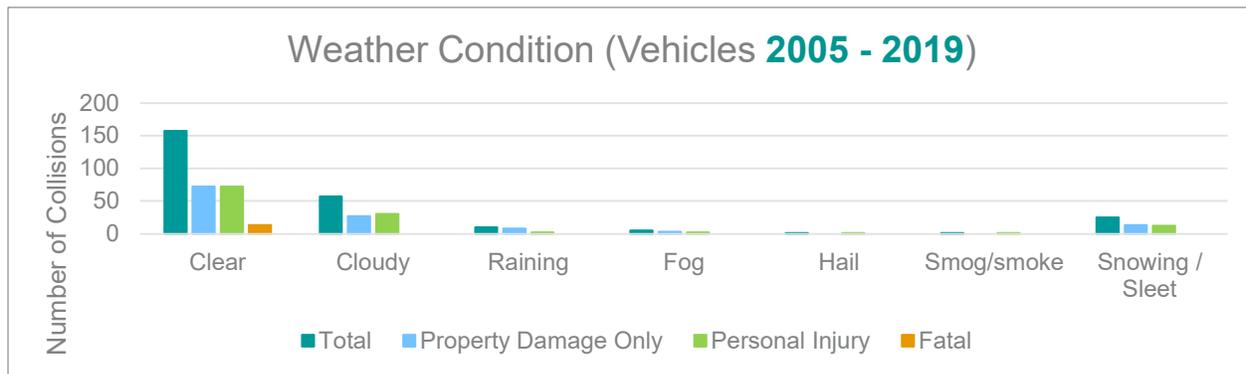
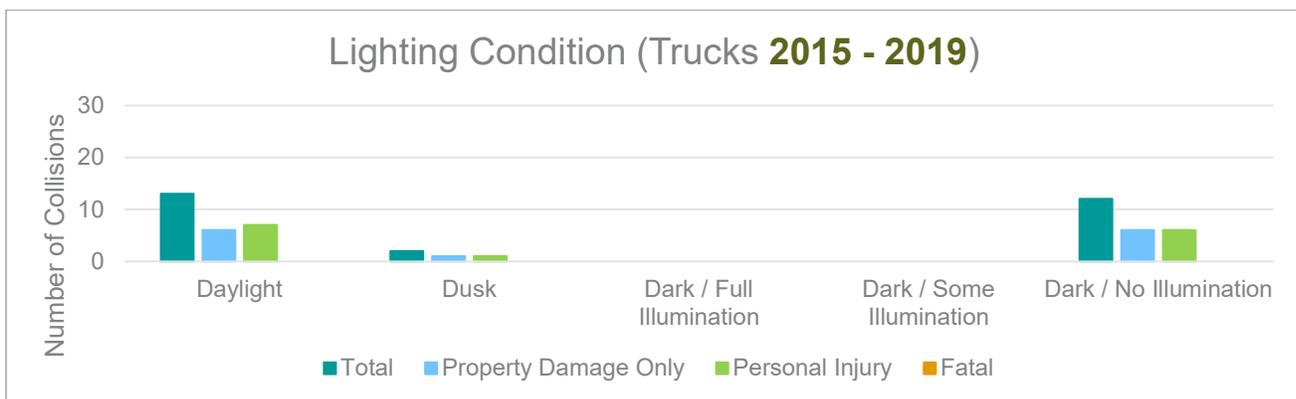
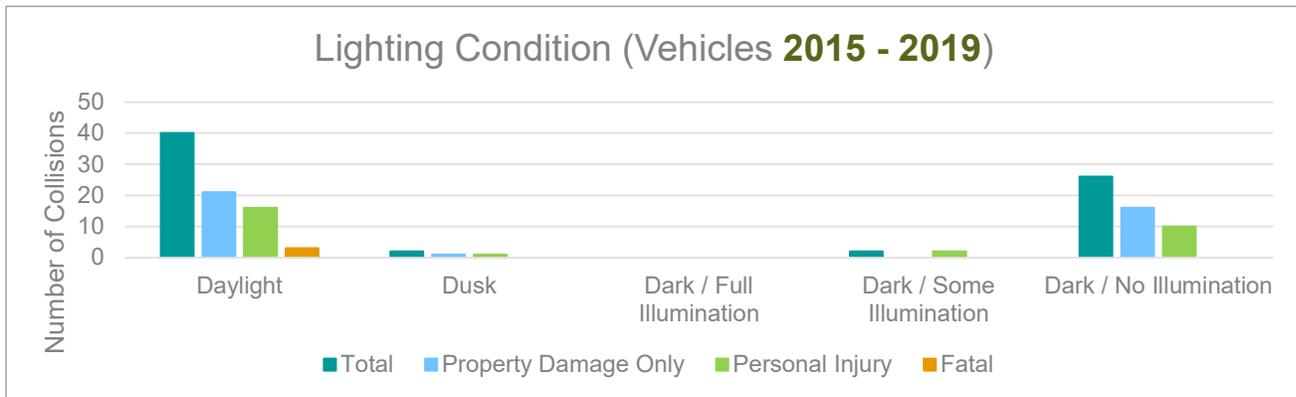
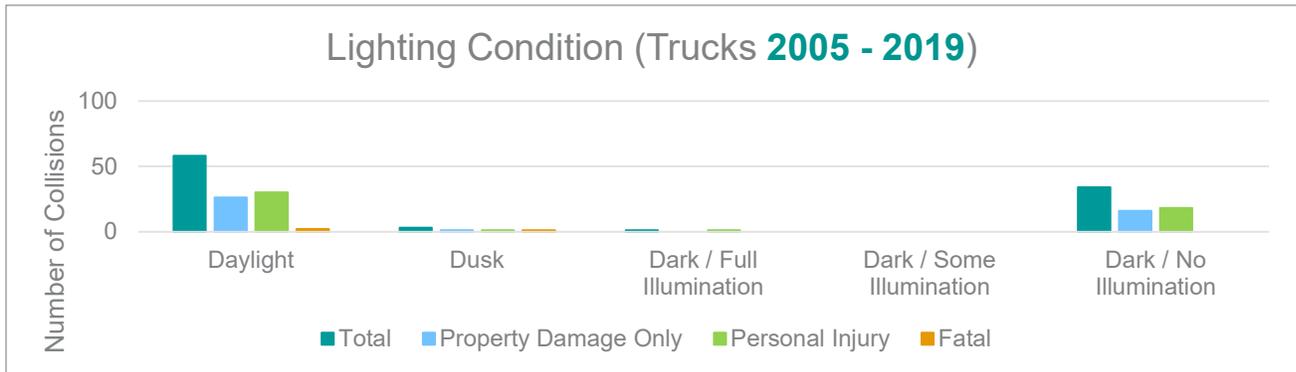
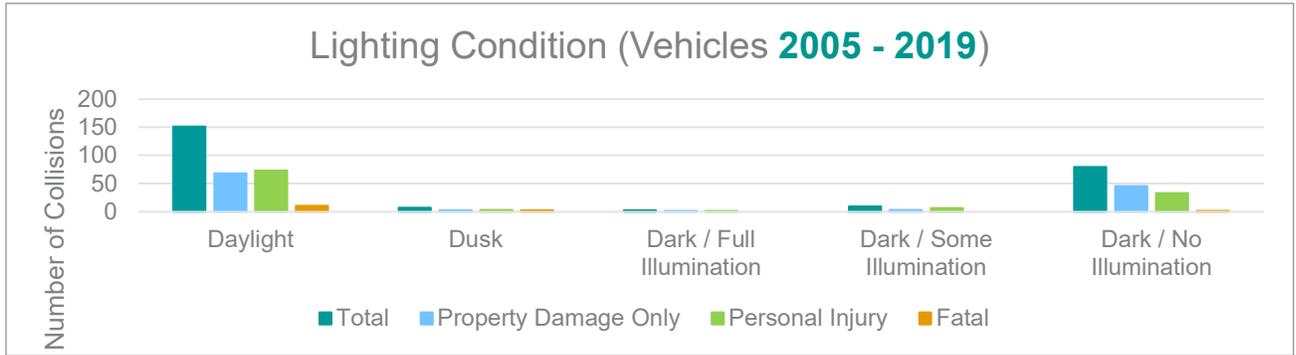


Figure 18: Lighting Conditions



## 3.2. SAFETY PERFORMANCE MEASURES

The safety performance measures used in this study include the Collision Frequency, Collision Rate, and Collision Severity Index (CSI). These safety measures were determined using historical collision records and are commonly used when assessing the safety performance of a highway corridor or segment. These measures are defined below:

- Collision Frequency: The collision frequency is defined as the number of collisions per location over a specific period.
- Collision Rate: The collision rate is defined as collisions per million-vehicle-kilometres (MVK) for highway sections.
- Collision Severity Index (CSI): The CSI is used as a measure of collision severity levels, which is defined as the weighted sum of fatal, injury, and property-damage-only (PDO) collisions. A fatal collision is given a weighting of 100, an injury collision is given a weighting of 10, and a PDO collision is given a weighting of 1, thus,  $CSI = (100 \times F + 10 \times I + PDO) / (F + I + PDO)$ . A higher severity index indicates a higher proportion of high severity collisions.

### 3.2.1. Provincial Safety Benchmarks

The safety performance measures for the study corridor, based on the most recent 5-year collision period from 2015-2019, was compared to provincial benchmarks to determine if the corridor is within the provincial average of similar roadway segments. A five-year traffic volume range of provincial data (January 1, 2012 to December 31, 2016) and average provincial collision rates by highway service class was used to compare the observed rate along the study segment. The following safety performance benchmarks, based on provincial rates, are commonly used to determine the performance of a corridor and have been used as part of this study.

- Provincial Average Collision Rate: An average collision rate is an average of the calculated collision rates for a large group of similar locations that can be used as the basis for comparison. The average collision rates are often generated by road classification and traffic volume levels, and are provided in [Appendix D](#).
- Critical Collision Rate: The critical collision rate, which is based on statistical quality control procedures, has been the most widely used statistical technique among highway agencies to identify potential problem areas. If the observed collision rate exceeds a critical collision rate, which is based on the average collision rate, the intersection or roadway section is considered to have a potential safety problem/issue. The critical collision rate is calculated as follows:

$$CR_{critical} = CR_{avg} + k \sqrt{\frac{CR_{avg}}{m} + \frac{1}{2m}}$$

where,

$CR_{avg}$  = Average Provincial collision rate  
*k* is a constant (1.64 for 95% confidence)  
*m* = Million Vehicle Kilometres (MVK)



- Provincial Average Collision Severity Index (CSI): An average CSI is simply an average of the calculated collision severity indices for a large group of similar locations that can be used as the basis for comparison. Similar to average collision rates, the average CSIs are often generated by road classification.

The Highway 5A study segment was considered for corridor safety analysis. *Table 7* presents a comparison of observed collision rates for the study area over the five-year period (2015 – 2019) as compared to Provincial benchmarks (2012 – 2016) for similar locations.

*Table 7: Corridor Collision Analysis*

Highway 5A Collision Analysis – Merritt to Kamloops		
Site Details	LKI Segment	Segment 1721 LKI 1.80 to 84.20
	Segment Length	82.40 km
	Total Collisions	74 (4 fatal, 31 injury, 39 PDO)
	Frequency	14.8 collisions/year
	AADT <sup>1</sup>	1,450 vehicles
Collision Rate (CR)	Observed CR (OCR)	0.34 collisions/MVK
	Provincial Average CR (CR <sub>avg</sub> )	0.40 collisions/MVK
	Critical CR (CR <sub>critical</sub> )	0.47 collisions/MVK
	Exceeds Critical Rate? (OCR > CR <sub>critical</sub> )	No
Collision Severity Index (CSI)	Collision Severity Index (CSI)	10.12
	Provincial Average CSI (CSI <sub>avg</sub> )	7.78
	Exceeds Provincial Average? (CSI > CSI <sub>avg</sub> )	YES

1. Based on the 2017 AADT for the corridor, which occurred in the middle of the collision data range

As shown in *Table 7*, the observed collision rate for the study corridor (0.34 collisions/MVK) is lower than both the provincial average collision rate (0.40 collisions/MVK) and the critical collision rate (0.47 collisions/MVK). However, this segment does have an above average severity index (10.12) when compared to similar facilities within British Columbia (7.78).

## 4. Reliability

Road closure information was obtained from DriveBC events in the project area between 2006 and 2020. During this period, 49 closures were recorded on Highway 5A. Closure information is summarized in *Table 8* and can be found in *Appendix E*.

*Table 8: Reliability Data (2006-2020)*

Cause	Number of Incidents	Average Closure Time (Per Incident)	Maximum Closure Time
Bridge Construction	1	0d 8h 0m	0d 8h 0m
Bridge Maintenance	4	0d 10h 0m	0d 10h 0m
Hydro Lines Down	1	0d 23h 53m	0d 23h 53m
Material Spill	1	0d 7h 51m	0d 7h 51m
Travel Advisory	3	0d 3h 33m	0d 4h 22m
Vehicle Fire	1	0d 3h 24m	0d 3h 24m
Vehicle Incident	34	0d 7h 47m	1d 10h 30m
Vehicle Recovery	4	0d 3h 43m	0d 4h 44m

Approximately 70% of closures within the study area can be attributed to vehicle incidents with an average duration of just under eight hours. The maximum closure time lasted 34 hours as a result of a vehicle incident.

## 5. Enforcement Time and Ticketing Logs

The Commercial Vehicle Safety and Enforcement (CVSE) provided vehicle violation information from 2011 – 2020 along Highway 5A. A summary of enforcement data is provided in [Table 9](#). A total of 3,459 violation cases as well as 1,254 notice and orders were recorded between 2011 – 2020. Approximately half of the violation tickets issues were a result of speeding.

*Table 9: CVSE Ticketing Data (2011 – 2020)*

Violation Tickets	Violation Tickets	Notice and Orders
Speeding	1,812	109
Other Moving Violation	23	5
Log Book	285	137
Oversize	86	15
Overweight	137	22
Insecure Load	113	90
Improper Lighting	48	124
Brakes	88	19
Motive Fuel	0	2
Defective Vehicle (other than above)	253	71
No Insurance	20	2
Expired CVIP	11	7
Not Licensed in BC	2	0
Fail to Produce Registration	13	13
Drivers License	60	12
Other	508	626
<b>Total</b>	<b>3,459</b>	<b>1,254</b>

## 6. Closing

If you have any questions or concerns regarding the analysis provided in this report, please contact the undersigned.

Sincerely,  
McElhanney Ltd.

Prepared by:



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# **APPENDIX A**

McElhanney Traffic Count Data (July & August 2021)

For Project: Highway 5a  
 Project Notes: Trapp Lake  
 Location/Name: Merged <https://goo.gl/maps/UG61DGACThpgE1Q88>  
 Report Generated: 8/2/2021 15:13  
 Speed Intervals: 1 km/h  
 Time Intervals: Instant  
 Traffic Report From: 7/26/2021 00:00:00 through 8/1/2021 23:59:59  
 85th Percentile Speed: 98 km/h  
 85th Percentile Vehicles: 7234  
 Max Speed: 156 km/h on 7/27/2021 13:37:57  
 Total Vehicles: 8510  
 AADT: 1215

### Volumes - weekly counts

Time	5 Day	7 Day
Average Daily	1387	1215
AM Peak	101	85
PM Peak	116	101

### Speed

Speed Limit: 90  
 85th Percentile Speed: 98  
 Average Speed: 89.27

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	603	537	562	493	566	417	311
% over limit	40.3	33.5	39.3	41.5	46.5	47.2	44.9
Avg Speeder	97.4	97.6	97.5	97.4	98.0	98.7	97.5

### Class Counts

	Number	%
VEH_SM	200	2.4
VEH_MED	7182	84.4
VEH_LG	1128	13.3
[VEH_SM=motorcycle,	VEH_MED = sedan,	VEH_LG = truck]

Merged Monthly Counts  
 Highway 5a  
 Trapp Lake

from Mon-Jul-26-2021-12-00-AM to Sun-Aug-01-2021-11-59-PM

Hour	Jul 2021							Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday			
0 - 1	10	15	17	0	10	7	*	10.4	7	88.62
1 - 2	4	4	10	6	7	5	*	6.2	5	89.7
2 - 3	1	12	3	9	2	4	*	5.4	4	91.8
3 - 4	0	4	6	5	5	1	*	4	1	93.88
4 - 5	9	11	8	6	7	2	*	8.2	2	100
5 - 6	11	19	13	24	13	7	*	16	7	102.2
6 - 7	56	36	44	36	37	15	*	41.8	15	101.44
7 - 8	119	155	113	56	50	25	*	98.6	25	95.22
8 - 9	67	97	62	57	48	38	*	66.2	38	97.16
9 - 10	56	71	104	42	55	55	*	65.6	55	95.04
10 - 11	91	93	107	65	81	74	*	87.4	74	95.76
11 - 12	75	98	79	83	105	81	*	88	81	97.5
12 - 13	79	103	75	83	73	89	*	82.6	89	97.6
13 - 14	105	103	112	84	94	76	*	99.6	76	95.96
14 - 15	98	129	107	102	90	76	*	105.2	76	94.94
15 - 16	138	144	89	89	94	65	*	110.8	65	96.06
16 - 17	140	146	108	83	75	54	*	110.4	54	97.44
17 - 18	126	114	81	89	92	61	*	100.4	61	97.44
18 - 19	83	76	69	81	82	35	*	78.2	35	98.14
19 - 20	80	70	78	58	74	38	*	72	38	97.66
20 - 21	56	35	58	75	45	22	*	53.8	22	96.36
21 - 22	43	33	44	31	38	26	*	37.8	26	96.44
22 - 23	34	18	34	16	30	22	*	26.4	22	94.9
23 - 24	15	18	8	9	10	5	*	12	5	90
Totals	1496	1604	1429	1189	1217	883	0			
% of Total	19.14%	20.52%	18.28%	15.21%	15.57%	11.29%	0%			

Merged Weekly Counts  
 Highway 5a  
 Trapp Lake

from Mon-Jul-26-2021-12-00-AM to Sun-Aug-01-2021-11-59-PM

Hour	7/26/2021	to	8/1/2021	Thursday 7/29/2021	Friday 7/30/2021	Saturday 7/31/2021	Sunday 8/1/2021	Week	Weekend	Week Day 85%
	Monday 7/26/2021	Tuesday 7/27/2021	Wednesday 7/28/2021					Day Avg	Avg	Avg Speed
0 - 1	10	15	17	0	10	7	7	10.4	7	88.62
1 - 2	4	4	10	6	7	5	3	6.2	4	89.7
2 - 3	1	12	3	9	2	4	2	5.4	3	91.8
3 - 4	0	4	6	5	5	1	3	4	2	93.88
4 - 5	9	11	8	6	7	2	1	8.2	1.5	100
5 - 6	11	19	13	24	13	7	11	16	9	102.2
6 - 7	56	36	44	36	37	15	14	41.8	14.5	101.44
7 - 8	119	155	113	56	50	25	11	98.6	18	95.22
8 - 9	67	97	62	57	48	38	22	66.2	30	97.16
9 - 10	56	71	104	42	55	55	36	65.6	45.5	95.04
10 - 11	91	93	107	65	81	74	65	87.4	69.5	95.76
11 - 12	75	98	79	83	105	81	57	88	69	97.5
12 - 13	79	103	75	83	73	89	63	82.6	76	97.6
13 - 14	105	103	112	84	94	76	71	99.6	73.5	95.96
14 - 15	98	129	107	102	90	76	60	105.2	68	94.94
15 - 16	138	144	89	89	94	65	63	110.8	64	96.06
16 - 17	140	146	108	83	75	54	38	110.4	46	97.44
17 - 18	126	114	81	89	92	61	59	100.4	60	97.44
18 - 19	83	76	69	81	82	35	37	78.2	36	98.14
19 - 20	80	70	78	58	74	38	32	72	35	97.66
20 - 21	56	35	58	75	45	22	14	53.8	18	96.36
21 - 22	43	33	44	31	38	26	12	37.8	19	96.44
22 - 23	34	18	34	16	30	22	4	26.4	13	94.9
23 - 24	15	18	8	9	10	5	7	12	6	90
Totals	1496	1604	1429	1189	1217	883	692			
% of Total	17.58%	18.85%	16.79%	13.97%	14.3%	10.38%	8.13%			

Merged Weekly Speeds  
 Highway 5a  
 Trapp Lake

from Mon-Jul-26-2021-12-00-AM to Sun-Aug-01-2021-11-59-PM

	7/26/2021	to	8/1/2021							
Hour	Monday 7/26/2021	Tuesday 7/27/2021	Wednesday 7/28/2021	Thursday 7/29/2021	Friday 7/30/2021	Saturday 7/31/2021	Sunday 8/1/2021	Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
0 - 1	77.1	89.2	84.24	0	83.1	86.86	86.43	84.08	86.64	88.62
1 - 2	85.25	76.5	83.4	88.67	87.71	79	93.67	84.74	84.5	89.7
2 - 3	82	89.42	94.33	87.44	84.5	77.25	78	88.67	77.5	91.8
3 - 4	0	88	79.33	95.2	90	75	100	87.7	93.75	93.88
4 - 5	91.33	88	87.38	97.83	87.29	85.5	103	89.93	91.33	100
5 - 6	93.45	94.79	90.38	94	88.31	92.43	93.27	92.6	92.94	102.2
6 - 7	91.62	92.94	90.61	91	93.11	87.47	94.07	91.79	90.66	101.44
7 - 8	87.55	84	85.72	92.36	89.9	89.6	87.91	86.8	89.08	95.22
8 - 9	90.09	89.42	87.44	91.23	91.31	91.87	93.95	89.77	92.63	97.16
9 - 10	86.54	89.83	91.34	86.93	87.8	90.53	91.25	89.03	90.81	95.04
10 - 11	87.64	86.75	91	87.95	89.38	92.54	90.25	88.64	91.47	95.76
11 - 12	92.76	87.39	88.91	88.6	91.35	90.48	91.68	89.75	90.98	97.5
12 - 13	88.53	88.76	90.32	88.54	91.53	91.19	88.22	89.45	89.96	97.6
13 - 14	87.36	88.73	87.03	90.05	90.83	90.25	89.32	88.68	89.8	95.96
14 - 15	88.23	88.58	86.66	90.32	90.2	91.78	88.47	88.74	90.32	94.94
15 - 16	88.33	87.33	89.26	89.87	92.45	90.91	88.48	89.16	89.71	96.06
16 - 17	89.32	88.52	90.6	90.82	92.43	93.48	88.29	90.01	91.34	97.44
17 - 18	91.71	89.01	90.09	87.61	90.58	93.2	89.61	89.9	91.43	97.44
18 - 19	91.05	89.01	91.54	91.63	89.04	93.03	88.89	90.44	90.9	98.14
19 - 20	91.66	89.23	87.28	89.69	88.8	89.74	92.34	89.33	90.93	97.66
20 - 21	88.18	89.57	85.07	88	88.38	89.55	89.36	87.67	89.47	96.36
21 - 22	87.53	86.52	87.5	86.45	89.79	85.81	92.17	87.62	87.82	96.44
22 - 23	81.59	85.89	85.68	84.75	85.03	87.82	87.25	84.39	87.73	94.9
23 - 24	81.13	86.39	80.38	83	89.7	88.6	89.29	84.32	89	90
Totals	2019.8	2113.7	2105.4	2061.9	2142.4	2123.7	2175.2			
% of Total	13.7%	14.34%	14.28%	13.99%	14.53%	14.41%	14.76%			

Merged Monthly Speeds  
 Highway 5a  
 Trapp Lake

from Mon-Jul-26-2021-12-00-AM to Sun-Aug-01-2021-11-59-PM

Hour	Jul 2021							Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday			
0 - 1	77.1	89.2	84.24	0	83.1	86.86	*	84.08	86.86	88.62
1 - 2	85.25	76.5	83.4	88.67	87.71	79	*	84.74	79	89.7
2 - 3	82	89.42	94.33	87.44	84.5	77.25	*	88.67	77.25	91.8
3 - 4	0	88	79.33	95.2	90	75	*	87.7	75	93.88
4 - 5	91.33	88	87.38	97.83	87.29	85.5	*	89.93	85.5	100
5 - 6	93.45	94.79	90.38	94	88.31	92.43	*	92.6	92.43	102.2
6 - 7	91.62	92.94	90.61	91	93.11	87.47	*	91.79	87.47	101.44
7 - 8	87.55	84	85.72	92.36	89.9	89.6	*	86.8	89.6	95.22
8 - 9	90.09	89.42	87.44	91.23	91.31	91.87	*	89.77	91.87	97.16
9 - 10	86.54	89.83	91.34	86.93	87.8	90.53	*	89.03	90.53	95.04
10 - 11	87.64	86.75	91	87.95	89.38	92.54	*	88.64	92.54	95.76
11 - 12	92.76	87.39	88.91	88.6	91.35	90.48	*	89.75	90.48	97.5
12 - 13	88.53	88.76	90.32	88.54	91.53	91.19	*	89.45	91.19	97.6
13 - 14	87.36	88.73	87.03	90.05	90.83	90.25	*	88.68	90.25	95.96
14 - 15	88.23	88.58	86.66	90.32	90.2	91.78	*	88.74	91.78	94.94
15 - 16	88.33	87.33	89.26	89.87	92.45	90.91	*	89.16	90.91	96.06
16 - 17	89.32	88.52	90.6	90.82	92.43	93.48	*	90.01	93.48	97.44
17 - 18	91.71	89.01	90.09	87.61	90.58	93.2	*	89.9	93.2	97.44
18 - 19	91.05	89.01	91.54	91.63	89.04	93.03	*	90.44	93.03	98.14
19 - 20	91.66	89.23	87.28	89.69	88.8	89.74	*	89.33	89.74	97.66
20 - 21	88.18	89.57	85.07	88	88.38	89.55	*	87.67	89.55	96.36
21 - 22	87.53	86.52	87.5	86.45	89.79	85.81	*	87.62	85.81	96.44
22 - 23	81.59	85.89	85.68	84.75	85.03	87.82	*	84.39	87.82	94.9
23 - 24	81.13	86.39	80.38	83	89.7	88.6	*	84.32	88.6	90

Merged Weekly EightyFifthSpeeds  
 Highway 5a  
 Trapp Lake

from Mon-Jul-26-2021-12-00-AM to Sun-Aug-01-2021-11-59-PM

	7/26/2021	to	8/1/2021							
Hour	Monday 7/26/2021	Tuesday 7/27/2021	Wednesday 7/28/2021	Thursday 7/29/2021	Friday 7/30/2021	Saturday 7/31/2021	Sunday 8/1/2021	Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
0 - 1	80	94	87	0	93.5	88	92	88.62	90	88.62
1 - 2	93	78	87.5	96	94	89	113	89.7	101	89.7
2 - 3	82	95	98	96	88	77	84	91.8	80.5	91.8
3 - 4	0	96.5	86	101	92	75	101	93.88	88	93.88
4 - 5	105	89	106	104	96	88	103	100	95.5	100
5 - 6	110	105	96	102	98	96	94	102.2	95	102.2
6 - 7	102	102	99.2	100	104	95	107	101.44	101	101.44
7 - 8	94.2	89.9	94	100	98	97	92	95.22	94.5	95.22
8 - 9	97.6	96.2	96.5	96	99.5	96.5	103	97.16	99.75	97.16
9 - 10	95.7	96	97.8	92	93.7	99.3	102	95.04	100.65	95.04
10 - 11	96.4	93.3	98.4	93.4	97.3	102	96.5	95.76	99.25	95.76
11 - 12	98	95	97	97.8	99.7	98	97.5	97.5	97.75	97.5
12 - 13	96	96.8	99.5	95.5	100.2	99	97.7	97.6	98.35	97.6
13 - 14	94.8	96	95	97	97	98	95	95.96	96.5	95.96
14 - 15	94.7	94	95	94	97	102	96	94.94	99	94.94
15 - 16	94.8	93.7	93.8	98	100	102	96	96.06	99	96.06
16 - 17	96.8	96.2	96.5	96.7	101	105	95	97.44	100	97.44
17 - 18	99	96.2	97	95.5	99.5	103	96	97.44	99.5	97.44
18 - 19	98	95.8	99.7	100.5	96.7	104.5	93	98.14	98.75	98.14
19 - 20	101.5	100.5	95	95	96.3	97.5	101	97.66	99.25	97.66
20 - 21	93.5	100.5	96	96.8	95	100	96	96.36	98	96.36
21 - 22	98	96.5	97	94.2	96.5	92.7	97	96.44	94.85	96.44
22 - 23	90	91	95	101.5	97	100	92	94.9	96	94.9
23 - 24	84	98	85	90	93	94	100	90	97	90
Totals	2195	2285.1	2287.9	2232.9	2322.9	2298.5	2339.7			
% of Total	13.75%	14.32%	14.33%	13.99%	14.55%	14.4%	14.66%			

Merged Monthly EightyFifthSpeeds  
 Highway 5a  
 Trapp Lake

from Mon-Jul-26-2021-12-00-AM to Sun-Aug-01-2021-11-59-PM

Hour	Jul 2021							Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday			
0 - 1	80	94	87	0	93.5	88	*	88.62	88	88.62
1 - 2	93	78	87.5	96	94	89	*	89.7	89	89.7
2 - 3	82	95	98	96	88	77	*	91.8	77	91.8
3 - 4	0	96.5	86	101	92	75	*	93.88	75	93.88
4 - 5	105	89	106	104	96	88	*	100	88	100
5 - 6	110	105	96	102	98	96	*	102.2	96	102.2
6 - 7	102	102	99.2	100	104	95	*	101.44	95	101.44
7 - 8	94.2	89.9	94	100	98	97	*	95.22	97	95.22
8 - 9	97.6	96.2	96.5	96	99.5	96.5	*	97.16	96.5	97.16
9 - 10	95.7	96	97.8	92	93.7	99.3	*	95.04	99.3	95.04
10 - 11	96.4	93.3	98.4	93.4	97.3	102	*	95.76	102	95.76
11 - 12	98	95	97	97.8	99.7	98	*	97.5	98	97.5
12 - 13	96	96.8	99.5	95.5	100.2	99	*	97.6	99	97.6
13 - 14	94.8	96	95	97	97	98	*	95.96	98	95.96
14 - 15	94.7	94	95	94	97	102	*	94.94	102	94.94
15 - 16	94.8	93.7	93.8	98	100	102	*	96.06	102	96.06
16 - 17	96.8	96.2	96.5	96.7	101	105	*	97.44	105	97.44
17 - 18	99	96.2	97	95.5	99.5	103	*	97.44	103	97.44
18 - 19	98	95.8	99.7	100.5	96.7	104.5	*	98.14	104.5	98.14
19 - 20	101.5	100.5	95	95	96.3	97.5	*	97.66	97.5	97.66
20 - 21	93.5	100.5	96	96.8	95	100	*	96.36	100	96.36
21 - 22	98	96.5	97	94.2	96.5	92.7	*	96.44	92.7	96.44
22 - 23	90	91	95	101.5	97	100	*	94.9	100	94.9
23 - 24	84	98	85	90	93	94	*	90	94	90

For Project: Trapp Lake August Count  
 Project Notes:  
 Location/Name: Merged  
 Report Generated: 8/23/2021 14:40  
 Speed Intervals: 1 km/h  
 Time Intervals: Instant  
 Traffic Report From: 8/5/2021 00:00:00 through 8/10/2021 23:59:59  
 85th Percentile Speed: 100 km/h  
 85th Percentile Vehicles: 6773  
 Max Speed: 160 km/h on 8/10/2021 20:00:40  
 Total Vehicles: 7968  
 AADT: 1328

### Volumes - weekly counts

Time	5 Day	7 Day
Average Daily	1497	1328
AM Peak	07:15 132	110
PM Peak	04:45 152	127

### Speed

Speed Limit: 90  
 85th Percentile Speed: 100  
 Average Speed: 90.42

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	670	673	N/A	693	604	567	438
% over limit	45.6	45.2	N/A	41.7	44.2	51.9	49.3
Avg Speeder	98.9	98.9	N/A	98.2	98.6	99.1	99.4

### Class Counts

	Number	%
VEH_SM	144	1.8
VEH_MED	6508	81.7
VEH_LG	1316	16.5
[VEH_SM=motorcycle,	VEH_MED = sedan,	VEH_LG = truck]

Merged Weekly Counts  
Trapp Lake August Count

from Thu-Aug-05-2021-12-00-AM to Tue-Aug-10-2021-11-59-PM

	8/2/2021	to	8/8/2021							
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Week	Weekend	Week Day 85%
Hour	8/2/2021	8/3/2021	8/4/2021	8/5/2021	8/6/2021	8/7/2021	8/8/2021	Day Avg	Avg	Avg Speed
0 - 1	*	*	*	11	14	10	3	12.5	6.5	89.5
1 - 2	*	*	*	7	10	7	5	8.5	6	96
2 - 3	*	*	*	4	5	7	6	4.5	6.5	85
3 - 4	*	*	*	5	5	3	1	5	2	97
4 - 5	*	*	*	6	6	5	3	6	4	108.5
5 - 6	*	*	*	22	20	13	6	21	9.5	104
6 - 7	*	*	*	49	49	22	11	49	16.5	101.85
7 - 8	*	*	*	134	98	120	15	116	67.5	98.7
8 - 9	*	*	*	78	81	47	21	79.5	34	96.25
9 - 10	*	*	*	65	72	57	40	68.5	48.5	97.85
10 - 11	*	*	*	97	79	66	75	88	70.5	97.65
11 - 12	*	*	*	99	76	64	89	87.5	76.5	97.1
12 - 13	*	*	*	129	96	75	95	112.5	85	98.15
13 - 14	*	*	*	123	91	88	92	107	90	94.9
14 - 15	*	*	*	99	94	80	74	96.5	77	96.75
15 - 16	*	*	*	114	111	79	63	112.5	71	96.75
16 - 17	*	*	*	126	110	98	59	118	78.5	98.5
17 - 18	*	*	*	152	119	86	65	135.5	75.5	100.5
18 - 19	*	*	*	98	61	60	49	79.5	54.5	104
19 - 20	*	*	*	74	53	45	46	63.5	45.5	98
20 - 21	*	*	*	65	44	20	26	54.5	23	99
21 - 22	*	*	*	42	35	29	19	38.5	24	93
22 - 23	*	*	*	37	18	7	16	27.5	11.5	91
23 - 24	*	*	*	27	19	4	9	23	6.5	92.5
Totals	0	0	0	1663	1366	1092	888			
% of Total	0%	0%	0%	33.2%	27.27%	21.8%	17.73%			

Merged Monthly Counts  
Trapp Lake August Count

from Thu-Aug-05-2021-12-00-AM to Tue-Aug-10-2021-11-59-PM

Hour	Aug 2021							Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday			
0 - 1	4	9	*	11	14	10	3	9.5	6.5	90.5
1 - 2	2	6	*	7	10	7	5	6.25	6	92.75
2 - 3	2	4	*	4	5	7	6	3.75	6.5	89.5
3 - 4	3	5	*	5	5	3	1	4.5	2	94.75
4 - 5	8	10	*	6	6	5	3	7.5	4	111
5 - 6	15	15	*	22	20	13	6	18	9.5	104
6 - 7	35	48	*	49	49	22	11	45.25	16.5	102.92
7 - 8	106	132	*	134	98	120	15	117.5	67.5	96.55
8 - 9	91	61	*	78	81	47	21	77.75	34	98.75
9 - 10	70	61	*	65	72	57	40	67	48.5	97.1
10 - 11	92	92	*	97	79	66	75	90	70.5	97.78
11 - 12	100	100	*	99	76	64	89	93.75	76.5	96.08
12 - 13	101	95	*	129	96	75	95	105.25	85	98.22
13 - 14	88	117	*	123	91	88	92	104.75	90	96.95
14 - 15	82	92	*	99	94	80	74	91.75	77	99.95
15 - 16	143	106	*	114	111	79	63	118.5	71	97.22
16 - 17	129	119	*	126	110	98	59	121	78.5	99.82
17 - 18	167	151	*	152	119	86	65	147.25	75.5	99.7
18 - 19	76	73	*	98	61	60	49	77	54.5	103.7
19 - 20	60	72	*	74	53	45	46	64.75	45.5	99.12
20 - 21	35	45	*	65	44	20	26	47.25	23	100.62
21 - 22	30	48	*	42	35	29	19	38.75	24	93
22 - 23	22	23	*	37	18	7	16	25	11.5	93.62
23 - 24	9	5	*	27	19	4	9	15	6.5	91.75
Totals	1470	1489	0	1663	1366	1092	888			
% of Total	18.45%	18.69%	0%	20.87%	17.14%	13.7%	11.14%			

Merged Weekly Speeds  
Trapp Lake August Count

from Thu-Aug-05-2021-12-00-AM to Tue-Aug-10-2021-11-59-PM

	8/2/2021	to	8/8/2021							
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Week	Weekend	Week Day 85%
Hour	8/2/2021	8/3/2021	8/4/2021	8/5/2021	8/6/2021	8/7/2021	8/8/2021	Day Avg	Avg	Avg Speed
0 - 1	*	*	*	86.36	78.79	89.4	90.67	82.12	89.69	89.5
1 - 2	*	*	*	82.71	89.5	88.86	82.2	86.71	86.08	96
2 - 3	*	*	*	87.25	80.2	81.43	98	83.33	89.08	85
3 - 4	*	*	*	93.2	80.8	75	83	87	77	97
4 - 5	*	*	*	95.67	97.17	70.2	98.67	96.42	80.87	108.5
5 - 6	*	*	*	94.41	95.4	90.92	100	94.88	93.79	104
6 - 7	*	*	*	93.06	91.61	87.23	88.82	92.34	87.76	101.85
7 - 8	*	*	*	89.97	90.84	87.53	91.93	90.34	88.01	98.7
8 - 9	*	*	*	91.19	86.37	94.13	92.29	88.74	93.56	96.25
9 - 10	*	*	*	89.88	89.82	91.53	92.22	89.85	91.81	97.85
10 - 11	*	*	*	88.61	92.89	94.44	89.88	90.53	92.01	97.65
11 - 12	*	*	*	88.84	88.83	94.78	89.71	88.83	91.83	97.1
12 - 13	*	*	*	89.65	89.75	91	91.08	89.69	91.05	98.15
13 - 14	*	*	*	90.03	86.41	87.92	88.84	88.49	88.39	94.9
14 - 15	*	*	*	90.18	88	93.45	93.38	89.12	93.42	96.75
15 - 16	*	*	*	88.84	89.24	92.35	92.03	89.04	92.21	96.75
16 - 17	*	*	*	90.28	91.78	92.57	93.19	90.98	92.8	98.5
17 - 18	*	*	*	91.18	94.13	93.59	95.34	92.48	94.34	100.5
18 - 19	*	*	*	88.85	96.39	92.6	90.69	91.74	91.74	104
19 - 20	*	*	*	91.7	89.98	95.13	89.83	90.98	92.45	98
20 - 21	*	*	*	90.14	89.41	91.4	87.46	89.84	89.17	99
21 - 22	*	*	*	86.57	85.26	87.9	87.58	85.97	87.77	93
22 - 23	*	*	*	80.68	86.11	86	82.62	82.45	83.65	91
23 - 24	*	*	*	82.26	86.63	85.5	89.22	84.07	88.08	92.5
Totals	0	0	0	2141.6	2135.3	2134.7	2178.6			
% of Total	0%	0%	0%	24.93%	24.86%	24.85%	25.36%			

Merged Monthly Speeds  
Trapp Lake August Count

from Thu-Aug-05-2021-12-00-AM to Tue-Aug-10-2021-11-59-PM

Hour	Aug 2021									
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
0 - 1	84	89.11	*	86.36	78.79	89.4	90.67	83.97	89.69	90.5
1 - 2	77	86.5	*	82.71	89.5	88.86	82.2	85.88	86.08	92.75
2 - 3	86.5	89.25	*	87.25	80.2	81.43	98	85.33	89.08	89.5
3 - 4	83.33	93.2	*	93.2	80.8	75	83	88.11	77	94.75
4 - 5	100.12	100.6	*	95.67	97.17	70.2	98.67	98.8	80.87	111
5 - 6	98	94.07	*	94.41	95.4	90.92	100	95.36	93.79	104
6 - 7	93.97	92.85	*	93.06	91.61	87.23	88.82	92.79	87.76	102.92
7 - 8	89.63	86.5	*	89.97	90.84	87.53	91.93	89.1	88.01	96.55
8 - 9	89.75	93.56	*	91.19	86.37	94.13	92.29	89.98	93.56	98.75
9 - 10	90.44	91.02	*	89.88	89.82	91.53	92.22	90.27	91.81	97.1
10 - 11	92.38	89.76	*	88.61	92.89	94.44	89.88	90.81	92.01	97.78
11 - 12	89.58	88.54	*	88.84	88.83	94.78	89.71	88.95	91.83	96.08
12 - 13	89.42	90.68	*	89.65	89.75	91	91.08	89.85	91.05	98.22
13 - 14	91.05	89.84	*	90.03	86.41	87.92	88.84	89.4	88.39	96.95
14 - 15	91.96	93.16	*	90.18	88	93.45	93.38	90.77	93.42	99.95
15 - 16	89.7	89.8	*	88.84	89.24	92.35	92.03	89.41	92.21	97.22
16 - 17	92.12	90.91	*	90.28	91.78	92.57	93.19	91.27	92.8	99.82
17 - 18	90.79	92.59	*	91.18	94.13	93.59	95.34	92.03	94.34	99.7
18 - 19	92.43	92.29	*	88.85	96.39	92.6	90.69	92.04	91.74	103.7
19 - 20	91.77	90.32	*	91.7	89.98	95.13	89.83	90.98	92.45	99.12
20 - 21	92.31	88	*	90.14	89.41	91.4	87.46	89.86	89.17	100.62
21 - 22	84.97	84.1	*	86.57	85.26	87.9	87.58	85.2	87.77	93
22 - 23	86.36	84.43	*	80.68	86.11	86	82.62	83.77	83.65	93.62
23 - 24	81.11	84.8	*	82.26	86.63	85.5	89.22	83.68	88.08	91.75

Merged Weekly EightyFifthSpeeds  
Trapp Lake August Count

from Thu-Aug-05-2021-12-00-AM to Tue-Aug-10-2021-11-59-PM

	8/2/2021	to	8/8/2021							
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Week	Weekend	Week Day 85%
Hour	8/2/2021	8/3/2021	8/4/2021	8/5/2021	8/6/2021	8/7/2021	8/8/2021	Day Avg	Avg	Avg Speed
0 - 1	*	*	*	91	88	95	106	89.5	100.5	89.5
1 - 2	*	*	*	95	97	100	87	96	93.5	96
2 - 3	*	*	*	88	82	90	114	85	102	85
3 - 4	*	*	*	103	91	80	83	97	81.5	97
4 - 5	*	*	*	115	102	100	106	108.5	103	108.5
5 - 6	*	*	*	101	107	99	108	104	103.5	104
6 - 7	*	*	*	102	101.7	101	100	101.85	100.5	101.85
7 - 8	*	*	*	98.4	99	93.5	100	98.7	96.75	98.7
8 - 9	*	*	*	96.5	96	101	99.5	96.25	100.25	96.25
9 - 10	*	*	*	96.7	99	98.2	103	97.85	100.6	97.85
10 - 11	*	*	*	95.5	99.8	105	96	97.65	100.5	97.65
11 - 12	*	*	*	95	99.2	111	96.5	97.1	103.75	97.1
12 - 13	*	*	*	98	98.3	100	102.3	98.15	101.15	98.15
13 - 14	*	*	*	97.8	92	96	100.7	94.9	98.35	94.9
14 - 15	*	*	*	99	94.5	101	106	96.75	103.5	96.75
15 - 16	*	*	*	95.5	98	103.5	100	96.75	101.75	96.75
16 - 17	*	*	*	98.3	98.7	99.3	104	98.5	101.65	98.5
17 - 18	*	*	*	98	103	101	105.5	100.5	103.25	100.5
18 - 19	*	*	*	99	109	103.5	102	104	102.75	104
19 - 20	*	*	*	99	97	109.5	98.5	98	104	98
20 - 21	*	*	*	101	97	101	98.5	99	99.75	99
21 - 22	*	*	*	95	91	99	100	93	99.5	93
22 - 23	*	*	*	87	95	93.5	96	91	94.75	91
23 - 24	*	*	*	87	98	87	99	92.5	93	92.5
Totals	0	0	0	2331.7	2333.2	2368	2411.5			
% of Total	0%	0%	0%	24.69%	24.7%	25.07%	25.53%			

Merged Monthly EightyFifthSpeeds  
Trapp Lake August Count

from Thu-Aug-05-2021-12-00-AM to Tue-Aug-10-2021-11-59-PM

Hour	Aug 2021							Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday			
0 - 1	88	95	*	91	88	95	106	90.5	100.5	90.5
1 - 2	83	96	*	95	97	100	87	92.75	93.5	92.75
2 - 3	96	92	*	88	82	90	114	89.5	102	89.5
3 - 4	91	94	*	103	91	80	83	94.75	81.5	94.75
4 - 5	117	110	*	115	102	100	106	111	103	111
5 - 6	106	102	*	101	107	99	108	104	103.5	104
6 - 7	106	102	*	102	101.7	101	100	102.92	100.5	102.92
7 - 8	96	92.8	*	98.4	99	93.5	100	96.55	96.75	96.55
8 - 9	96.5	106	*	96.5	96	101	99.5	98.75	100.25	98.75
9 - 10	97	95.7	*	96.7	99	98.2	103	97.1	100.6	97.1
10 - 11	98.9	96.9	*	95.5	99.8	105	96	97.78	100.5	97.78
11 - 12	96.3	93.8	*	95	99.2	111	96.5	96.08	103.75	96.08
12 - 13	97.6	99	*	98	98.3	100	102.3	98.22	101.15	98.22
13 - 14	99	99	*	97.8	92	96	100.7	96.95	98.35	96.95
14 - 15	101	105.3	*	99	94.5	101	106	99.95	103.5	99.95
15 - 16	97.6	97.8	*	95.5	98	103.5	100	97.22	101.75	97.22
16 - 17	101	101.3	*	98.3	98.7	99.3	104	99.82	101.65	99.82
17 - 18	98.8	99	*	98	103	101	105.5	99.7	103.25	99.7
18 - 19	101.8	105	*	99	109	103.5	102	103.7	102.75	103.7
19 - 20	101	99.5	*	99	97	109.5	98.5	99.12	104	99.12
20 - 21	102.5	102	*	101	97	101	98.5	100.62	99.75	100.62
21 - 22	93	93	*	95	91	99	100	93	99.5	93
22 - 23	98.5	94	*	87	95	93.5	96	93.62	94.75	93.62
23 - 24	88	94	*	87	98	87	99	91.75	93	91.75

# **APPENDIX B**

Seasonal and Daily Traffic Volume Factors

**AADT Factors**

<b>Seasonal Factors</b>		<b>Year</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Consistent	2020		1	0.894	1.081	1.39	1.145	0.972	0.911	0.891	0.915	0.929	1.021	1.099
Highly Seasonal	2020		1.589	1.344	1.376	1.671	1.147	0.871	0.631	0.575	0.696	0.933	1.338	1.508
Seasonal	2020		1.438	1.212	1.287	1.477	1.083	0.881	0.707	0.674	0.754	0.919	1.174	1.329

**Daily Factors**

<b>Seasonal Factors</b>		<b>Year</b>	<b>Day</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Consistent	2020	Sunday	1.377	1.382	1.516	1.56	1.438	1.304	1.266	1.305	1.346	1.413	1.49	1.464	
		Monday	0.946	1.02	0.957	0.947	1.044	0.974	0.96	1.012	1.026	1.031	0.94	0.967	
		Tuesday	0.904	0.958	0.939	0.875	0.917	0.955	0.943	0.943	0.922	0.934	0.927	0.886	
		Wednesday	1.052	0.923	0.872	0.887	0.909	0.939	0.984	0.929	0.924	0.913	0.987	0.867	
		Thursday	0.906	0.905	0.893	0.856	0.883	0.914	0.924	0.925	0.913	0.895	0.889	0.916	
		Friday	0.881	0.868	0.879	0.957	0.854	0.889	0.904	0.902	0.888	0.89	0.868	0.973	
		Saturday	1.168	1.179	1.304	1.317	1.27	1.225	1.184	1.171	1.2	1.164	1.184	1.207	
Highly Seasonal	2020	Sunday	1.059	1.147	1.1	1.241	1.132	1.031	0.96	0.96	1.03	1.11	1.124	1.036	
		Monday	1.037	0.979	1.005	0.974	1.003	0.998	1.037	0.986	0.944	0.931	0.995	1.019	
		Tuesday	1.063	1.03	1.02	0.917	0.997	1.039	1.137	1.095	1.058	1.032	1	0.96	
		Wednesday	1.026	1.001	0.942	0.923	0.982	1.061	1.085	1.099	1.071	1.049	0.948	0.905	
		Thursday	0.86	0.911	0.896	0.877	0.936	0.97	1.007	1.004	0.977	0.917	0.932	0.964	
		Friday	0.907	0.861	0.932	0.998	0.909	0.895	0.839	0.929	0.894	0.912	0.949	1.068	
		Saturday	1.129	1.167	1.178	1.198	1.1	1.051	1.012	0.964	1.067	1.11	1.096	1.081	
Seasonal	2020	Sunday	1.218	1.227	1.228	1.261	1.187	1.082	1.017	1.049	1.102	1.197	1.251	1.258	
		Monday	0.984	0.997	1.01	1.003	1.031	1	1.012	0.994	0.983	1.006	0.967	0.989	
		Tuesday	0.963	1.003	0.998	0.934	0.996	1.006	1.064	1.026	1.017	0.994	0.972	0.905	
		Wednesday	0.978	0.978	0.922	0.941	0.982	1.037	1.04	1.024	1.022	0.985	0.983	0.903	
		Thursday	0.901	0.933	0.92	0.889	0.941	0.969	0.976	0.979	0.96	0.91	0.912	0.937	
		Friday	0.903	0.84	0.881	0.947	0.865	0.87	0.873	0.913	0.885	0.891	0.907	1.002	
		Saturday	1.188	1.145	1.157	1.144	1.079	1.1	1.075	1.047	1.084	1.107	1.118	1.137	

**SADT Factors**

Seasonal Factors		Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Consistent	2020		1.123	1.001	1.211	1.553	1.276	1.081	1.012	0.989	1.018	1.036	1.14	1.229
Highly Seasonal	2020		2.689	2.274	2.32	2.815	1.926	1.46	1.053	0.953	1.162	1.566	2.254	2.545
Seasonal	2020		2.101	1.77	1.88	2.161	1.581	1.284	1.025	0.977	1.097	1.34	1.713	1.94

**Daily Factors**

Daily Factors		Year	Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Consistent	2020	Sunday	1.377	1.382	1.516	1.56	1.438	1.304	1.266	1.305	1.346	1.413	1.49	1.464	
		Monday	0.946	1.02	0.957	0.947	1.044	0.974	0.96	1.012	1.026	1.031	0.94	0.967	
		Tuesday	0.904	0.958	0.939	0.875	0.917	0.955	0.943	0.943	0.922	0.934	0.927	0.886	
		Wednesday	1.052	0.923	0.872	0.887	0.909	0.939	0.984	0.929	0.924	0.913	0.987	0.867	
		Thursday	0.906	0.905	0.893	0.856	0.883	0.914	0.924	0.925	0.913	0.895	0.889	0.916	
		Friday	0.881	0.868	0.879	0.957	0.854	0.889	0.904	0.902	0.888	0.89	0.868	0.973	
		Saturday	1.168	1.179	1.304	1.317	1.27	1.225	1.184	1.171	1.2	1.164	1.184	1.207	
Highly Seasonal	2020	Sunday	1.059	1.147	1.1	1.241	1.132	1.031	0.96	0.96	1.03	1.11	1.124	1.036	
		Monday	1.037	0.979	1.005	0.974	1.003	0.998	1.037	0.986	0.944	0.931	0.995	1.019	
		Tuesday	1.063	1.03	1.02	0.917	0.997	1.039	1.137	1.095	1.058	1.032	1	0.96	
		Wednesday	1.026	1.001	0.942	0.923	0.982	1.061	1.085	1.099	1.071	1.049	0.948	0.905	
		Thursday	0.86	0.911	0.896	0.877	0.936	0.97	1.007	1.004	0.977	0.917	0.932	0.964	
		Friday	0.907	0.861	0.932	0.998	0.909	0.895	0.839	0.929	0.894	0.912	0.949	1.068	
		Saturday	1.129	1.167	1.178	1.198	1.1	1.051	1.012	0.964	1.067	1.11	1.096	1.081	
Seasonal	2020	Sunday	1.218	1.227	1.228	1.261	1.187	1.082	1.017	1.049	1.102	1.197	1.251	1.258	
		Monday	0.984	0.997	1.01	1.003	1.031	1	1.012	0.994	0.983	1.006	0.967	0.989	
		Tuesday	0.963	1.003	0.998	0.934	0.996	1.006	1.064	1.026	1.017	0.994	0.972	0.905	
		Wednesday	0.978	0.978	0.922	0.941	0.982	1.037	1.04	1.024	1.022	0.985	0.983	0.903	
		Thursday	0.901	0.933	0.92	0.889	0.941	0.969	0.976	0.979	0.96	0.91	0.912	0.937	
		Friday	0.903	0.84	0.881	0.947	0.865	0.87	0.873	0.913	0.885	0.891	0.907	1.002	
		Saturday	1.188	1.145	1.157	1.144	1.079	1.1	1.075	1.047	1.084	1.107	1.118	1.137	

# **APPENDIX C**

Collision History Data (2005-2019 Complete, 2020-2021 Partial)





UM	SEGNUM	KMMARK	CLSDATE	ME	R	NTH	DESCRIPTION	LOCN_TYPE	DESCRIPTION	DIAGRAM	DESCRIPTION	CONTRB11	DESCRIPTION	CONTRB12	DESCRIPTION	VEHDIR1	DESCRIPTION	VEHDIR2	DESCRIPTION	VEHTYPE1	DESCRIPTION	VEHTYPE2	DESCRIPTION	EH	ROADSURF	DESCRIPTION	ROADCURV	DESCRIPTION	ROADGRAD	DESCRIPTION	WEATHER	DESCRIPTION	LIGHTING	DESCRIPTION	SPEEDLIM	DESCRIPTION	SPEEDADV	ON	AT	LAT	LON				
5	1721	41.4	1/9/2018	1:35	2018	1	Property Damage Only	Btwn intersection/exchs	Off road right	Road condition (ice,snow,slush	Unknown	Unknown	South	Unknown	South	Sport Utility Vehicle				1	Ice	Sharp curve	Some grade	Clear	Dark/no illum.	90	Unknown	SA HWY																	
5	1721	41.4	5/20/2018	16:36	2018	5	Personal Injury	Btwn intersection/exchs	Off road left	Driver error/confusion	Not applicable	Not applicable	North	Not applicable	North	Passenger car				1	Dry	Straight	Flat	Clear	Daylight	Unknown	Unknown	OLD KAMLOOPS RD																	
5	1721	42.4	1/5/2018	16:20	2018	1	Property Damage Only	Btwn intersection/exchs	Off road right	Road condition (ice,snow,slush	Not applicable	Not applicable	North	Not applicable	North	Passenger car				1	Ice	Straight	Some grade	Raining	Dark/no illum.	80	Unknown	SA HWY																	
5	1721	54.6	11/9/2018	10:35	2018	11	Personal Injury	At intersection	Side swipe	Driver inattentive	Exceeding speed limit	Not applicable	South	Not applicable	South	Passenger car				2	Wet	Single curve	Flat	Snowing/sleet	Daylight	Unknown	Unknown	SA HWY																	
5	1721	62.1	6/3/2018	23:37	2018	6	Property Damage Only	Unknown	Other	Unknown	Not applicable	Not applicable	Unknown	Unknown	Unknown	Comb unit tractor/trl				1	Dry	Winding curves	Flat	Clear	Dark/no illum.	80	Unknown	SA HWY																	
5	1721	62.5	8/15/2018	22:48	2018	8	Personal Injury	Unknown	Side swipe	Unknown	Not applicable	Not applicable	South	Not applicable	North	Passenger car				2	Dry	Sharp curve	Flat	Clear	Dark/no illum.	80	Unknown	SA HWY																	
5	1721	62.7	11/20/2018	16:21	2018	11	Property Damage Only	Btwn intersection/exchs	Other	Other	Not applicable	Not applicable	North	Not applicable	North	Comb unit tractor/trl & pup				1	Dry	Single curve	Flat	Clear	Dark/no illum.	Unknown	Unknown	SA HWY																	
5	1721	68.6	11/20/2018	09:42	2018	11	Property Damage Only	Off highway	Off road left	Road condition (ice,snow,slush	Not applicable	Not applicable	North	Not applicable	North	Passenger car				1	Wet	Winding curves	Some grade	Clear	Daylight	80	Unknown	SA HWY																	
5	1721	71.5	5/16/2018	16:37	2018	5	Fatal	Btwn intersection/exchs	Head on	Not applicable	Not applicable	Not applicable	South	Not applicable	North	Passenger car				2	Dry	Winding curves	Some grade	Clear	Daylight	90	Unknown	SA HWY																	
5	1721	73.8	6/6/2018	17:42	2018	6	Property Damage Only	Btwn intersection/exchs	Int road/driveway/alley	Off road left	Glare-sunlight	Road/intersection design	South	Not applicable	South	Sport Utility Vehicle				1	Dry	Single curve	Some grade	Clear	Daylight	90	Unknown	SA HWY																	
5	1721	75.7	10/26/2018	10:54	2018	10	Personal Injury	Btwn intersection/exchs	Off road right	Driver inattentive	Driving too fast for condition	Not applicable	South	Not applicable	South	Comb unit tractor/trl				1	Dry	Sharp curve	Steep grade	Clear	Daylight	80	Unknown	SA HWY																	
5	1721	82.5	12/3/2018	15:23	2018	12	Property Damage Only	Btwn intersection/exchs	Overtaking	Improper passing	Not applicable	Not applicable	South	Not applicable	South	Truck-pickup				2	Dry	Straight	Some grade	Cloudy	Daylight	80	Unknown	SA HWY																	
5	1721	14.5	5/21/2019	19:31	2019	5	Personal Injury	Btwn intersection/exchs	Off road left	Alcohol suspected	Driver inattentive	Not applicable	East	Not applicable	East	Motorcycle				1	Dry	Sharp curve	Flat	Clear	Daylight	90	Unknown	SA HWY																	
5	1721	38.3	8/13/2019	7:13	2019	3	Personal Injury	Btwn intersection/exchs	Off road right	Driver inattentive	Driving too fast for condition	Not applicable	South	Not applicable	South	Comb unit tractor/trl				1	Dry	Winding curves	Some grade	Clear	Dawn	90	Unknown	SA HWY																	
5	1721	59.2	5/16/2019	14:32	2019	5	Personal Injury	Int road/driveway/alley	Off road right	Illness**	Not applicable	Not applicable	South	Not applicable	South	Truck-pickup				1	Dry	Straight	Steep grade	Cloudy	Daylight	90	Unknown	SA HWY																	
5	1721	70.1	8/21/2019	13:50	2019	8	Property Damage Only	Btwn intersection/exchs	Other	Driver inattentive	Driving too fast for condition	Not applicable	Unknown	Not applicable	Unknown	Comb unit tractor/trl & pup				1	Wet	Single curve	Flat	Cloudy	Daylight	90	60	SA HWY																	
5	1721	70.2	8/21/2019	7:13	2019	3	Personal Injury	Off highway	Off road left	Exceeding speed limit	Not applicable	Not applicable	North	Not applicable	North	Log trk & pole trailer				1	Dry	Sharp curve	Some grade	Clear	Daylight	60	Unknown	SA HWY																	
5	1721	75.6	5/31/2019	12:17	2019	5	Personal Injury	Btwn intersection/exchs	Off road right	Unknown	Not applicable	Not applicable	South	Not applicable	South	Comb unit tractor/trl				1	Dry	Sharp curve	Steep grade	Clear	Daylight	90	50	SA HWY																	
5	1721	82.4	10/25/2019	0:40	2019	10	Personal Injury	Btwn intersection/exchs	Head on	Wild animal	Not applicable	Not applicable	Unknown	Not applicable	Unknown	Passenger car				1	Dry	Single curve	Some grade	Cloudy	Dark/some illum.	90	Unknown	SA HWY																	
5	1721	84	11/13/2019	17:12	2019	11	Property Damage Only	Btwn intersection/exchs	Off road right	Weather (fog,sleet,rain,snow)	Driver error/confusion	Not applicable	West	Not applicable	West	Comb unit trl/trl				1	Wet	Straight	Some grade	Cloudy	Dark/no illum.	80	Unknown	SA HWY																	
5	1721	4.3	4/19/2020	7:14	2020	4	Property Damage Only	Btwn intersection/exchs	Off road left	Driver inattentive	Not applicable	Not applicable	South	Not applicable	South	Passenger car				1	Dry	Straight	Flat	Clear	Dawn	90	Unknown	SA HWY																	
5	1721	43.9	10/24/2020	14:25	2020	10	Personal Injury	Off highway	Off road left	Driver inattentive	Driving too fast for condition	Not applicable	South	Not applicable	South	Comb unit tractor/trl				1	Ice	Winding curves	Some grade	Clear	Daylight	90	30	SA HWY																	
5	1721	57.9	2/23/2020	17:45	2020	2	Fatal	Btwn intersection/exchs	Off road right	Ability impaired by alcohol	Excessive speed over 40 km/h	Not applicable	North	Not applicable	North	Passenger car				1	Dry	Single curve	Some grade	Cloudy	Daylight	90	Unknown	SA HWY																	
5	1721	63.3	12/2/2020	23:19	2020	12	Property Damage Only	Off highway	Off road left	Driver inattentive	Not applicable	Not applicable	Unknown	Not applicable	Unknown	Comb unit tractor/trl				1	Dry	Straight	Flat	Clear	Dark/no illum.	50	Unknown	SA HWY																	
5	1721	69.1	3/21/2020	7:05	2020	3	Property Damage Only	Btwn intersection/exchs	Off road right	Driver inattentive	Not applicable	Not applicable	Unknown	Not applicable	Unknown	Comb unit tractor/trl & pup				1	Dry	Single curve	Some grade	Clear	Daylight	90	Unknown	SA HWY																	
5	1721	70	4/10/2020	13:50	2020	4	Property Damage Only	Off highway	Off road right	Ignoring traffic ctrl device	Exceeding speed limit	Not applicable	South	Not applicable	South	Comb unit tractor/trl				1	Dry	Single curve	Flat	Clear	Daylight	60	Unknown	SA HWY																	
5	1721	75.7	7/21/2020	12:53	2020	7	Personal Injury	Btwn intersection/exchs	Other	Driver inattentive	Unknown	Unknown	South	Unknown	South	Motorcycle				1	Dry	Sharp curve	Steep grade	Clear	Daylight	90	50	SA HWY																	
5	1721	36.8	3/6/2021	18:08	2021	3	Property Damage Only	Unknown	Unknown	Engine failure	Not applicable	Not applicable	North	Not applicable	North	Sport Utility Vehicle				1	Dry	Straight	Some grade	Clear	Other	80	Unknown	SA HWY																	
5	1721	78.1	1/25/2021	10:00	2021	1	Personal Injury	Off highway	Off road right	Driver inattentive	Drugs suspected	Not applicable	South	Not applicable	South	Comb unit tractor/trl				1	Snow	Single curve	Steep grade	Cloudy	Daylight	90	60	SA HWY																	

7165

5230

3000

50.46127 -120.277

50.27747 -120.406

4000 50.56945 -120.29

# **APPENDIX D**

Average Provincial Collision Rates, BC MoTI (2012-2016)

**British Columbia Ministry of Transportation and Infrastructure**  
**AVERAGE PROVINCIAL COLLISION RATES BY HIGHWAY SERVICE CLASS AND TRAFFIC VOLUME RANGE**  
 November 1, 2011 to October 31, 2016 Data (5 years)\*

**All Collisions (intersection and non-intersection)**

Average Daily Traffic Volume (vpd)	Highway Class																													
	UAU2			UAU4			UAD4			UED4 **			UFD4 **			RAU2			RAU4			RAD4**			RED4**			RFD4 **		
	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)
1 - 5,000	0.83	240	903	0.56	6	11	0.62	2	7	3.10	4	87	0.00	0	0	0.40	8529	10240	0.37	156	330	0.31	43	88	1.60	2	19	0.29	471	964
5,001 - 10,000	0.57	78	543	0.82	27	310	0.65	9	87	1.15	4	61	0.00	0	0	0.32	1029	4113	0.39	70	337	0.38	37	152	0.41	55	314	0.35	384	1545
10,001 - 15,000	0.53	47	553	0.77	27	468	0.00	0	0	0.25	2	14	0.00	0	0	0.26	144	875	0.27	62	424	0.24	48	266	0.36	126	1050	0.31	28	175
15,001 - 20,000	0.54	18	316	1.12	16	576	1.89	3	169	0.52	19	310	0.24	12	99	0.24	16	123	0.48	21	337	0.26	21	197	0.32	23	241	0.26	11	89
over 20,000	0.66	1	39	0.65	31	1219	0.82	45	1968	0.33	20	455	0.30	141	3769	0.39	16	262	0.31	45	639	0.41	57	1225	0.25	36	499	0.24	263	3835
All Volumes	0.63	384	2354	0.76	107	2584	0.85	59	2231	0.44	49	927	0.29	153	3868	0.37	9734	15613	0.34	354	2067	0.35	206	1928	0.33	242	2123	0.27	1157	6608

**Collisions Occurring At All Intersections (MV6020 Accident Location Code 01, LKI Landmarks A1, A2, A3, A5 & A8). Zero radius from intersection point.**

Average Daily Traffic Volume (vpd)	Highway Class																													
	UAU2			UAU4			UAD4			UED4 **			UFD4 **			RAU2			RAU4			RAD4**			RED4**			RFD4 **		
	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)
1 - 5,000	0.38	276	579	0.33	5	8	0.22	3	4	0.46	2	7	0.00	0	0	0.43	1629	3209	0.46	33	93	0.53	12	45	0.66	1	6	0.32	22	47
5,001 - 10,000	0.21	192	524	0.25	88	326	0.23	23	80	0.20	7	24	0.00	0	0	0.20	646	1710	0.31	43	168	0.27	16	49	0.26	35	140	0.24	48	132
10,001 - 15,000	0.16	128	461	0.25	78	454	0.20	4	19	0.10	8	20	0.00	0	0	0.13	167	516	0.22	38	209	0.27	25	154	0.19	103	443	0.25	6	32
15,001 - 20,000	0.22	46	320	0.28	58	505	0.27	21	181	0.34	18	197	0.51	3	50	0.13	17	71	0.17	28	148	0.21	15	104	0.24	46	363	0.13	16	70
over 20,000	0.15	6	37	0.21	96	1088	0.23	134	1712	0.19	35	428	0.11	112	966	0.17	27	199	0.18	90	731	0.20	104	1101	0.16	32	291	0.11	84	601
All Volumes	0.22	648	1921	0.24	325	2381	0.23	185	1996	0.21	70	676	0.11	115	1016	0.26	2486	5705	0.20	232	1349	0.21	172	1453	0.20	217	1243	0.13	176	882

**Collisions Occurring At Non-Signalized Intersections (LKI Landmarks A1 & A2). Zero radius from intersection point.**

Average Daily Traffic Volume (vpd)	Highway Class																													
	UAU2			UAU4			UAD4			UED4 **			UFD4 **			RAU2			RAU4			RAD4**			RED4**			RFD4 **		
	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)
1 - 5,000	0.38	244	503	0.38	4	7	0.16	1	1	0.73	1	5	0.00	0	0	0.44	1404	2853	0.40	27	65	0.00	0	0	0.00	0	0	0.15	1	1
5,001 - 10,000	0.17	160	354	0.20	53	160	0.15	8	17	0.18	3	9	0.00	0	0	0.21	533	1436	0.26	27	86	0.20	7	16	0.20	16	47	0.16	2	4
10,001 - 15,000	0.15	90	300	0.14	38	131	0.21	1	5	0.06	3	5	0.00	0	0	0.13	124	389	0.16	22	89	0.36	3	25	0.12	42	115	0.00	0	0
15,001 - 20,000	0.14	23	102	0.21	30	195	0.08	6	16	0.22	1	8	0.00	0	0	0.11	10	36	0.14	16	66	0.12	1	4	0.24	3	24	0.00	0	0
over 20,000	0.11	3	14	0.14	40	275	0.11	63	376	0.06	8	29	0.43	1	21	0.19	16	125	0.14	39	248	0.10	35	173	0.09	11	51	0.11	2	12
All Volumes	0.20	520	1273	0.17	165	768	0.11	79	415	0.08	16	56	0.43	1	21	0.28	2087	4839	0.17	131	554	0.11	46	218	0.13	72	237	0.12	5	17

**Collisions Occurring At Signalized Intersections (LKI Landmarks A3 & A5). Zero radius from intersection point.**

Average Daily Traffic Volume (vpd)	Highway Class																													
	UAU2			UAU4			UAD4			UED4 **			UFD4 **			RAU2			RAU4			RAD4**			RED4**			RFD4 **		
	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)	(C/MV)	(# int)	(# coll)
1 - 5,000	0.49	14	43	0.17	1	1	0.25	2	3	0.00	0	0	0.00	0	0	0.53	11	39	1.52	2	24	0.56	11	43	0.66	1	6	0.39	2	5
5,001 - 10,000	0.49	23	156	0.40	27	156	0.34	10	52	0.30	2	10	0.00	0	0	0.41	13	72	0.73	6	60	0.44	3	14	0.61	7	69	0.00	0	0
10,001 - 15,000	0.26	26	149	0.39	33	308	0.19	3	14	0.11	6	18	0.00	0	0	0.23	13	71	0.48	9	110	0.37	14	121	0.43	26	255	0.00	0	0
15,001 - 20,000	0.45	13	185	0.44	20	280	0.37	14	164	0.68	3	67	0.00	0	0	0.23	4	27	0.51	4	61	0.37	6	74	0.35	21	240	0.00	0	0
over 20,000	0.23	1	10	0.33	45	821	0.46	52	1334	0.25	21	363	0.00	0	0	0.20	6	51	0.39	24	428	0.33	48	852	0.28	14	222	0.00	0	0
All Volumes	0.38	77	543	0.37	126	1566	0.44	81	1567	0.26	32	458	0.00	0	0	0.28	47	260	0.44	45	683	0.35	82	1104	0.36	69	792	0.39	2	5

**Non-Intersection Collisions (collisions not occurring at intersections above)**

Average Daily Traffic Volume (vpd)	Highway Class																													
	UAU2			UAU4			UAD4			UED4 **			UFD4 **			RAU2			RAU4			RAD4**			RED4**			RFD4 **		
	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)	(C/MVK)	(km)	(# coll)
1 - 5,000	0.21	240	232	0.15	6	3	0.27	2	3	2.92	4	82	0.00	0	0	0.28	8529	7003	0.27	156	242	0.15	43	43	1.09	2	13	0.28	471	916
5,001 - 10,000	0.12	78	111	0.08	27	31	0.05	9	7	0.66	4	35	0.00	0	0	0.20	1029	2520	0.19	70	166	0.27	37	111	0.22	55	169	0.32	384	1429
10,001 - 15,000	0.09	47	93	0.09	27	56	0.00	0	0	0.04	2	2	0.00	0	0	0.11	144	365	0.08	62	119	0.08	48	83	0.15	126	437	0.29	28	166
15,001 - 20,000	0.05	18	27	0.07	16	36	0.08	3	7	0.19	19	113	0.12	12	50	0.12	16	62	0.12	21	82	0.07	21	53	0.09	23	71	0.17	11	58
over 20,000	0.03	1	2	0.10	31	198	0.08	45	198	0.04	20	53	0.22	141	2802	0.10	16	68	0.08	45	174	0.08	57	224	0.09	36	171	0.20	263	3158
All Volumes	0.12	384	465	0.09	107	324	0.08	59	215	0.14	49	285	0.22	153	2852	0.24	9734	10018	0.13	354	783	0.09	206	514	0.13	242	861	0.23	1157	5727

**NOTES:**

1. \* Start and end dates moved back by 2 months due to substantially incomplete PDO data for Nov/Dec 2016.
2. \*\* All RFD4 & UFD4 and most UED4, RED4, & RAD4 roadways have a separate LKI segment for each direction of travel. Therefore, the length in the tables above, which represents LKI segment length, will differ from roadway length for these 5 service classes. As well, the volume ranges for these 5 classes generally represent 1-way ADT.
3. Provincial average intersection collision rates are artificially high due to the lack of cross-street volume data in the CIS and the fact that the CIS analysis does not include intersections where there are zero collisions when calculating provincial average rates.
4. As a general rule a sample of at least 25 collisions is necessary to have confidence in the calculated collision rate. Where the collision sample size is less than 25 collisions the rate has been blacked out. However, these rates can still be seen and may be used at the discretion of the analyst.
5. Analysis dates: 29 to 31 August 2018. CIS version 3.1.0. CIS collision data last updated 25 August 2018. Traffic volume updated to the end of 2017. Effective LKI: Ver201707b. Subsequent updates to the data may affect the results in this table.
6. Total annual collision counts (F/I/PDO) for 2012-16 are 43,865 which is very consistent with the 2009-13 total of 42,841 collisions.

**LEGEND:**

U = Urban  
R = Rural  
A = Arterial  
E = Expressway, multi-lanes with at grade intersections  
F = Freeway, multi-lane with grade separations  
U2 = Undivided Up to 3 Lanes  
U4 = Undivided 4 or More Lanes  
D4 = Divided 4 or More Lanes

vpd = Vehicles per Day  
C/MVK = Collisions per Million Vehicle Kilometres  
C/MV = Collisions per Million Entering Vehicles  
# coll = Number of Collisions  
# int = Number of Intersections

A1 = Intersection with stop sign or flashing red lights, no turning slots  
A2 = Intersection with stop sign or flashing red lights, and turning slots  
A3 = Intersection with traffic control lights, no turning slots  
A5 = Intersection with traffic control lights, and turning slots  
MV6020 Form, Accident Location Code 01 = at intersection

 Less than 25 collisions for this volume range and service class  
 Zero collisions or no inventory for this volume range and service class

**British Columbia Ministry of Transportation and Infrastructure**  
**NUMBER OF COLLISIONS BY SERVICE CLASS, TRAFFIC VOLUME RANGE, AND SEVERITY**  
 November 1, 2011 to October 31, 2016 Data (5 years)

**All Collisions (intersection and non-intersection)**

Average Daily Traffic Volume (vpd)	Highway Class																																			
	UAU2						UAU4						UAD4						UED4						UFD4						RAU2					
	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%
1 - 5,000	11	1.20	393	43.50	499	55.30	0	0.00	4	36.40	7	63.60	0	0.00	5	71.40	2	28.60	2	2.30	37	42.50	48	55.20	0	0.00	0	0.00	0	0.00	282	2.80	4565	44.60	5393	52.70
5,001 - 10,000	5	0.90	227	41.80	311	57.30	5	1.60	138	44.50	167	53.90	0	0.00	43	49.40	44	50.60	2	3.30	13	21.30	46	75.40	0	0.00	0	0.00	0	0.00	99	2.40	1616	39.30	2398	58.30
10,001 - 15,000	4	0.70	229	41.40	320	57.90	2	0.40	188	40.20	278	59.40	0	0.00	0	0.00	0	0.00	0	0.00	4	28.60	10	71.40	0	0.00	0	0.00	0	0.00	19	2.20	413	47.20	443	50.60
15,001 - 20,000	4	1.30	154	48.70	158	50.00	6	1.00	227	39.40	343	59.50	0	0.00	70	41.40	99	58.60	0	0.00	129	41.60	181	58.40	0	0.00	41	41.40	58	58.60	6	4.90	54	43.90	63	51.20
over 20,000	2	5.10	20	51.30	17	43.60	13	1.10	594	48.70	612	50.20	8	0.40	899	45.70	1061	53.90	4	0.90	231	50.80	220	48.40	6	0.20	1463	38.80	2300	61.00	7	2.70	126	48.10	129	49.20
All Volumes	26	1.10	1023	43.50	1305	55.40	26	1.00	1151	44.50	1407	54.50	8	0.40	1017	45.60	1206	54.10	8	0.90	414	44.70	505	54.50	6	0.20	1504	38.90	2358	61.00	413	2.60	6774	43.40	8426	54.00

**Collisions Occurring At All Intersections (MV6020 Accident Location Code 01, LKI Landmarks A1, A2, A3, A5, & A8). Zero radius from intersection point.**

Average Daily Traffic Volume (vpd)	Highway Class																																			
	UAU2						UAU4						UAD4						UED4						UFD4						RAU2					
	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%
1 - 5,000	6	1.00	247	42.70	326	56.30	0	0.00	3	37.50	5	62.50	0	0.00	3	75.00	1	25.00	1	14.30	4	57.10	2	28.60	0	0.00	0	0.00	0	0.00	46	1.40	1383	43.10	1780	55.50
5,001 - 10,000	3	0.60	216	41.20	305	58.20	4	1.20	155	47.50	167	51.20	0	0.00	40	50.00	40	50.00	0	0.00	2	8.30	22	91.70	0	0.00	0	0.00	0	0.00	22	1.30	708	41.40	980	57.30
10,001 - 15,000	1	0.20	194	42.10	266	57.70	3	0.70	181	39.90	270	59.50	1	5.30	9	47.40	9	47.40	0	0.00	11	55.00	9	45.00	0	0.00	0	0.00	0	0.00	11	2.10	238	46.10	267	51.70
15,001 - 20,000	1	0.30	163	50.90	156	48.80	4	0.80	195	38.60	306	60.60	0	0.00	79	43.60	102	56.40	0	0.00	86	43.70	111	56.30	0	0.00	21	42.00	29	58.00	2	2.80	39	54.90	30	42.30
over 20,000	2	5.40	18	48.60	17	45.90	6	0.60	544	50.00	538	49.40	6	0.40	796	46.50	910	53.20	4	0.90	214	50.00	210	49.10	1	0.10	357	37.00	608	62.90	3	1.50	99	49.70	97	48.70
All Volumes	13	0.70	838	43.60	1070	55.70	17	0.70	1078	45.30	1286	54.00	7	0.40	927	46.40	1062	53.20	5	0.70	317	46.90	354	52.40	1	0.10	378	37.20	637	62.70	84	1.50	2467	43.20	3154	55.30

**Collisions Occurring At Non-Signalized Intersections (LKI Landmarks A1 & A2). Zero radius from intersection point.**

Average Daily Traffic Volume (vpd)	Highway Class																																			
	UAU2						UAU4						UAD4						UED4						UFD4						RAU2					
	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%
1 - 5,000	5	1.00	215	42.70	283	56.30	0	0.00	3	42.90	4	57.10	0	0.00	1	100.00	0	0.00	1	20.00	3	60.00	1	20.00	0	0.00	0	0.00	0	0.00	41	1.40	1229	43.10	1583	55.50
5,001 - 10,000	1	0.30	143	40.40	210	59.30	2	1.30	72	45.00	86	53.80	0	0.00	8	47.10	9	52.90	0	0.00	1	11.10	8	88.90	0	0.00	0	0.00	0	0.00	19	1.30	595	41.40	822	57.20
10,001 - 15,000	0	0.00	130	43.30	170	56.70	1	0.80	59	45.00	71	54.20	0	0.00	3	60.00	2	40.00	0	0.00	3	60.00	2	40.00	0	0.00	0	0.00	0	0.00	7	1.80	178	45.80	204	52.40
15,001 - 20,000	1	1.00	57	55.90	44	43.10	2	1.00	71	36.40	122	62.60	0	0.00	4	25.00	12	75.00	0	0.00	5	62.50	3	37.50	0	0.00	0	0.00	0	0.00	1	2.80	20	55.60	15	41.70
over 20,000	1	7.10	8	57.10	5	35.70	0	0.00	134	48.70	141	51.30	1	0.30	176	46.80	199	52.90	1	3.40	15	51.70	13	44.80	0	0.00	6	28.60	15	71.40	3	2.40	63	50.40	59	47.20
All Volumes	8	0.60	553	43.40	712	55.90	5	0.70	339	44.10	424	55.20	1	0.20	192	46.30	222	53.50	2	3.60	27	48.20	27	48.20	0	0.00	6	28.60	15	71.40	71	1.50	2085	43.10	2683	55.40

**Collisions Occurring At Signalized Intersections (LKI Landmarks A3 & A5). Zero radius from intersection point.**

Average Daily Traffic Volume (vpd)	Highway Class																																			
	UAU2						UAU4						UAD4						UED4						UFD4						RAU2					
	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%
1 - 5,000	0	0.00	14	32.60	29	67.40	0	0.00	0	0.00	1	100.00	0	0.00	2	66.70	1	33.30	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	17	43.60	22	56.40
5,001 - 10,000	2	1.30	68	43.60	86	55.10	2	1.30	78	50.00	76	48.70	0	0.00	30	57.70	22	42.30	0	0.00	1	10.00	9	90.00	0	0.00	0	0.00	0	0.00	0	0.00	30	41.70	42	58.30
10,001 - 15,000	1	0.70	61	40.90	87	58.40	2	0.60	119	38.60	187	60.70	1	7.10	6	42.90	7	50.00	0	0.00	11	61.10	7	38.90	0	0.00	0	0.00	0	0.00	1	1.40	30	42.30	40	56.30
15,001 - 20,000	0	0.00	88	47.60	97	52.40	1	0.40	112	40.00	167	59.60	0	0.00	75	45.70	89	54.30	0	0.00	33	49.30	34	50.70	0	0.00	0	0.00	0	0.00	0	0.00	14	51.90	13	48.10
over 20,000	1	10.00	5	50.00	4	40.00	4	0.50	408	49.70	409	49.80	5	0.40	622	46.60	707	53.00	3	0.80	185	51.00	175	48.20	0	0.00	0	0.00	0	0.00	0	0.00	24	47.10	27	52.90
All Volumes	4	0.70	236	43.50	303	55.80	9	0.60	717	45.80	840	53.60	6	0.40	735	46.90	826	52.70	3	0.70	230	50.20	225	49.10	0	0.00	0	0.00	0	0.00	1	0.40	115	44.20	144	55.40

**Non-Intersection Collisions (collisions not occurring at intersections above)**

Average Daily Traffic Volume (vpd)	Highway Class																																			
	UAU2						UAU4						UAD4						UED4						UFD4						RAU2					
	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%
1 - 5,000	5	2.20	111	47.80	116	50.00	0	0.00	1	33.30	2	66.70	0	0.00	2	66.70	1	33.30	1	1.20	34	41.50	47	57.30	0	0.00	0	0.00	0	0.00	237	3.40	3173	45.30	3593	51.30
5,001 - 10,000	2	1.80	42	37.80	67	60.40	1	3.20	12	38.70	18	58.10	0	0.00	3	42.90	4	57.10	2	5.70	10	28.60	23	65.70	0	0.00	0	0.00	0	0.00	77	3.10	978	38.80	1465	58.10
10,001 - 15,000	3	3.20	38	40.90	52	55.90	1	1.80	23	41.10	32	57.10	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	100.00	0	0.00	0	0.00	0	0.00	8	2.20	167	45.80	190	52.10
15,001 - 20,000	3	11.10	10	37.00	14	51.90	0	0.00	14	38.90	22	61.10	0	0.00	0	0.00	7	100.00	0	0.00	43	38.10	70	61.90	0	0.00	20	40.00	30	60.00	3	4.80	25	40.30	34	54.80
over 20,000	0	0.00	2	100.00	0	0.00	7	3.50	91	46.00	100	50.50	2	1.00	78	39.40	118	59.60	0	0.00	28	52.80	25	47.20	5	0.20	1106	39.50	1691	60.30	4	5.90	31	45.60	33	48.50
All Volumes	13	2.80	203	43.70	249	53.50	9	2.80	141	43.50	174	53.70	2	0.90	83	38.60	130	60.50	3	1.10	115	40.40	167	58.60	5	0.20	1126	39.50	1721	60.30	329	3.30	4374	43.70	5315	53.10

Highway Class																														
RAU4					RAD4					RED4					RFD4					All 10 Highway Classes										
FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	All
7	2.10	150	45.50	173	52.40	2	2.30	35	39.80	51	58.00	0	0.00	10	52.60	9	47.40	22	2.30	494	51.20	448	46.50	326	2.58	5693	45.01	6630	52.42	12649
9	2.70	129	38.30	199	59.10	1	0.70	53	34.90	98	64.50	4	1.30	126	40.10	184	58.60	27	1.70	682	44.10	836	54.10	152	2.04	3027	40.57	4283	57.40	7462
10	2.40	201	47.40	213	50.20	4	1.50	132	49.60	130	48.90	10	1.00	436	41.50	604	57.50	2	1.10	74	42.30	99	56.60	51	1.33	1677	43.84	2097	54.82	3825
4	1.20	141	41.80	192	57.00	3	1.50	88	44.70	106	53.80	1	0.40	103	42.70	137	56.80	0	0.00	33	37.10	56	62.90	24	0.98	1040	42.33	1393	56.70	2457
15	2.30	315	49.30	309	48.40	8	0.70	557	45.50	660	53.90	5	1.00	239	47.90	255	51.10	24	0.60	1408	36.70	2403	62.70	92	0.66	5852	42.07	7966	57.27	13910
45	2.20	936	45.30	1086	52.50	18	0.90	865	44.90	1045	54.20	20	0.90	914	43.10	1189	56.00	75	1.10	2691	40.70	3842	58.10	645	1.60	17289	42.90	22369	55.50	40303

**Notes:**

1. Analysis dates: 29 to 31 August 2018. CIS version 3.1.0. CIS collision data last updated 25 August 2018. Effective LKI: Ver201707b. Subsequent updates to the data may affect the results in this table.

2. Statistically, severity proportions in these tables can be used with confidence if the collision sample size (#fat + #inj + #PDO) is at least:  
 - 1500 collisions, for fatal proportion  
 - 50 collisions, for injury and PDO proportions

Highway Class																														
RAU4					RAD4					RED4					RFD4					All 10 Highway Classes										
FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	All
1	1.10	41	44.10	51	54.80	1	2.20	21	46.70	23	51.10	0	0.00	1	16.70	5	83.30	1	2.10	20	42.60	26	55.30	56	1.40	1723	43.10	2219	55.50	3998
4	2.40	68	40.50	96	57.10	1	2.00	23	46.90	25	51.00	3	2.10	59	42.10	78	55.70	0	0.00	52	39.40	80	60.60	37	1.17	1323	41.96	1793	56.87	3153
4	1.90	105	50.20	100	47.80	2	1.30	77	50.00	75	48.70	4	0.90	210	47.40	229	51.70	0	0.00	11	34.40	21	65.60	26	1.13	1036	44.89	1246	53.99	2308
2	1.40	50	33.80	96	64.90	0	0.00	47	45.20	57	54.80	2	0.60	162	44.60	199	54.80	0	0.00	24	34.30	46	65.70	11	0.55	866	43.11	1132	56.35	2009
9	1.20	358	49.00	364	49.80	9	0.80	511	46.40	581	52.80	2	0.70	154	52.90	135	46.40	2	0.30	226	37.60	373	62.10	44	0.62	3277	45.81	3833	53.58	7154
20	1.50	622	46.10	707	52.40	13	0.90	679	46.70	761	52.40	11	0.90	586	47.10	646	52.00	3	0.30	333	37.80	546	61.90	174	0.93	8225	44.17	10223	54.90	18622

**Legend:**

- U = Urban
- R = Rural
- A = Arterial
- E = Expressway, multi-lanes with at grade intersections
- F = Freeway, multi-lane with grade separations
- U2 = Undivided Up to 3 Lanes
- U4 = Undivided 4 or More Lanes
- D4 = Divided 4 or More Lanes

Highway Class																														
RAU4					RAD4					RED4					RFD4					All 10 Highway Classes										
FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	All
1	1.50	32	49.20	32	49.20	0		0		0		0	0.00	0	0.00	0	100.00	48	1.40	1483	43.17	1904	55.43	3435						
3	3.50	37	43.00	46	53.50	1	6.30	4	25.00	11	68.80	1	2.10	18	38.30	28	59.60	0	0.00	1	25.00	3	75.00	27	1.27	879	41.29	1223	57.44	2129
3	3.40	45	50.60	41	46.10	0	0.00	7	28.00	18	72.00	2	1.70	48	41.70	65	56.50	0	0.00	0	0	0		13	1.23	473	44.66	573	54.11	1059
1	1.50	27	40.90	38	57.60	0	0.00	1	25.00	3	75.00	0	0.00	15	62.50	9	37.50	0	0.00	0	0	0		5	1.11	200	44.35	246	54.55	451
5	2.00	117	47.20	126	50.80	2	1.20	87	50.30	84	48.60	0	0.00	25	49.00	26	51.00	0	0.00	5	41.70	7	58.30	13	0.98	636	48.04	675	50.98	1324
13	2.30	258	46.60	283	51.10	3	1.40	99	45.40	116	53.20	3	1.30	106	44.70	128	54.00	0	0.00	6	35.30	11	64.70	106	1.26	3671	43.71	4621	55.03	8398

- vpd = Vehicles per Day
- FAT = Number of fatal collisions
- INJ = Number of injury collisions
- PDO = Number of Property Damage Only collisions

- A1 = Intersection with stop sign or flashing red lights, no turning slots
- A2 = Intersection with stop sign or flashing red lights, and turning slots
- A3 = Intersection with traffic control lights, no turning slots
- A5 = Intersection with traffic control lights, and turning slots
- A8 = Roundabout
- MV6020 Form, Accident Location Code 01 = at intersection

Highway Class																														
RAU4					RAD4					RED4					RFD4					All 10 Highway Classes										
FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	All
0	0.00	9	37.50	15	62.50	1	2.30	20	46.50	22	51.20	0	0.00	1	16.70	5	83.30	0	0.00	0	0.00	5	100.00	1	0.61	63	38.41	100	60.98	164
0	0.00	23	38.30	37	61.70	0	0.00	10	71.40	4	28.60	1	1.40	32	46.40	36	52.20	0	0.00	0	0	0		5	0.85	272	46.18	312	52.97	589
1	0.90	56	50.90	53	48.20	2	1.70	66	54.50	53	43.80	2	0.80	124	48.60	129	50.60	0	0.00	0	0	0		10	0.96	473	45.22	563	53.82	1046
0	0.00	15	24.60	46	75.40	0	0.00	35	47.30	39	52.70	2	0.80	107	44.60	131	54.60	0	0.00	0	0	0		3	0.27	479	43.62	616	56.10	1098
4	0.90	217	50.70	207	48.40	7	0.80	388	45.50	457	53.60	2	0.90	114	51.40	106	47.70	0	0.00	0	0	0		26	0.64	1963	48.10	2092	51.26	4081
5	0.70	320	46.90	358	52.40	10	0.90	519	47.00	575	52.10	7	0.90	378	47.70	407	51.40	0	0.00	0	0.00	5	100.00	45	0.64	3250	46.57	3683	52.78	6978

Zero collisions or no inventory for this volume range and service class

Highway Class																														
RAU4					RAD4					RED4					RFD4					All 10 Highway Classes										
FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	FAT	%	INJ	%	PDO	%	All
6	2.50	115	47.50	121	50.00	1	2.30	14	32.60	28	65.10	0	0.00	9	69.20	4	30.80	21	2.30	474	51.70	421	46.00	271	3.17	3933	46.07	4333	50.76	8537
6	3.60	63	38.00	97	58.40	0	0.00	34	30.60	77	69.40	1	0.60	60	35.50	108	63.90	27	1.90	633	44.30	769	53.80	116	2.53	1835	40.07	2628	57.39	4579
3	2.50	50	42.00	66	55.50	2	2.40	40	48.20	41	49.40	5	1.10	156	35.70	276	63.20	2	1.20	68	41.00	96	57.80	24	1.82	542	41.03	755	57.15	1321
2	2.40	30	36.60	50	61.00	1	1.90	24	45.30	28	52.80	0	0.00	27	38.00	44	62.00	0	0.00	22	37.90	36	62.10	9	1.61	215	38.46	335	59.93	559
9	5.20	78	44.80	87	50.00	1	0.40	90	40.20	133	59.40	3	1.80	68	39.80	100	58.50	22	0.70	1161	36.80	1975	62.50	53	0.75	2733	38.78	4262	60.47	7048
26	3.30	336	42.90	421	53.80	5	1.00	202	39.30	307	59.70	9	1.00	320	37.20	532	61.80	72	1.30	2358	41.20	3297	57.60	473	2.15	9258	42.00	12313	55.86	22044

# **APPENDIX E**

Reliability Data (2006-2020)

YEAR	ID	CAUSE	START	END	DESCRIPTION
					Highway 5A. Vehicle incident between Long Lake Rd and Old Stage Coach Rd (27 km south of Kamloops). Road closed. Assessment in progress. Estimated time of opening not available. Detour not available. Please consider alternate routes. Next update time Sun Feb 23 at 9:30 PM PST. Last updated Sun Feb 23 at 7:33 PM PST. (DBC-16063)//// Highway 5A. Vehicle incident between Long Lake Rd and Old Stage Coach Rd (27 km south of Kamloops). Road closed. Assessment in progress. Estimated time of opening not available. Detour not available. Please consider alternate routes. Next update time Sun Feb 23 at 10:30 PM PST. Last updated Sun Feb 23 at 9:20 PM PST. (DBC-16063)//// Highway 5A. Vehicle incident between Long Lake Rd and Old Stage Coach Rd (27 km south of Kamloops). Single lane alternating traffic. Please consider alternate routes. Next update time Mon Feb 24 at 12:30 AM PST. Last updated Sun Feb 23 at 10:26 PM PST. (DBC-16063)//// Highway 5A. Road cleared between Long Lake Rd and Old Stage Coach Rd (27 km south of Kamloops). Last updated Mon Feb 24 at 12:48 AM PST. (DBC-16063)
2020	drivebc.ca/DBC-16063	Vehicle Incident	2/23/2020 19:33	2/24/2020 0:48	
					Highway 5A, in both directions. Vehicle incident between Roche Lake Rd and Campbell Creek Rd for 7.0 km (10 to 17 km south of Kamloops). Road closed. Estimated time of opening not available. Assessment in progress. Please consider alternate routes. Next update time Fri Apr 10 at 6:30 PM PDT. Last updated Fri Apr 10 at 4:28 PM PDT. (DBC-17221)//// Highway 5A, in both directions. Vehicle incident between Roche Lake Rd and Campbell Creek Rd for 7.0 km (10 to 17 km south of Kamloops). Single lane alternating traffic. Next update time Fri Apr 10 at 7:00 PM PDT. Last updated Fri Apr 10 at 6:05 PM PDT. (DBC-17221)
2020	drivebc.ca/DBC-17221	Vehicle Incident	4/10/2020 16:26	4/10/2020 18:05	
					Highway 5A. Vehicle incident between Old Kamloops Rd and Roche Lake Rd for 12.7 km (17 to 30 km south of Kamloops). The road is closed. Estimated time of opening currently unavailable. Assessment in progress. Next update time Thu Jan 17 at 6:00 PM PST. Last updated Thu Jan 17 at 5:22 PM PST. (DBC-4870)//// Highway 5A. Vehicle incident between Old Kamloops Rd and Roche Lake Rd for 12.7 km (17 to 30 km south of Kamloops). The road is closed. Detour via Highway 5, Coquihalla. Estimated time of opening currently unavailable. Assessment in progress. Next update time Thu Jan 17 at 6:00 PM PST. Last updated Thu Jan 17 at 5:45 PM PST. (DBC-4870)//// Highway 5A. Vehicle incident between Old Kamloops Rd and Roche Lake Rd for 12.7 km (17 to 30 km south of Kamloops). The road is closed. Detour via Highway 5, Coquihalla. Estimated time of opening currently unavailable. Assessment in progress. Next update time Thu Jan 17 at 7:00 PM PST. Last updated Thu Jan 17 at 5:52 PM PST. (DBC-4870)//// Highway 5A, in both directions. Vehicle incident between Old Kamloops Rd and Roche Lake Rd for 12.7 km (17 to 30 km south of Kamloops). The road is closed. Detour via Highway 5, Coquihalla. Estimated time of opening currently unavailable. Assessment in progress. Estimated time of re-opening Thu Jan 17 at 8:00 PM PST. Next update time Thu Jan 17 at 8:00 PM PST. Last updated Thu Jan 17 at 6:55 PM PST. (DBC-4870)//// Highway 5A, in both directions. Vehicle incident between Old Kamloops Rd and Roche Lake Rd for 12.7 km (17 to 30 km south of Kamloops). Single lane alternating traffic. Next update time Thu Jan 17 at 8:00 PM PST. Last updated Thu Jan 17 at 7:40 PM PST. (DBC-4870)//// Highway 5A, in both directions. Road cleared between Old Kamloops Rd and Roche Lake Rd for 12.7 km (17 to 30 km south of Kamloops). Last updated Thu Jan 17 at 8:47 PM PST. (DBC-4870)
2019	drivebc.ca/DBC-4870	INCIDENT	1/17/2019 17:20	1/17/2019 20:48	
					Closed in both directions 20 km south of Kamloops because of Vehicle Incident. Assessment in Progress. No Estimated Time of Opening. Next Update is 7:00pm. Updated on Wed May 16 at 6:02 pm PDT. (ID# 283491)//// Closed in both directions 20 km south of Kamloops because of Vehicle Incident. Estimated Time of Opening is 10:00pm. Detour via Hwy 5. Next Update is 9:00pm. Updated on Wed May 16 at 7:02 pm PDT. (ID# 283491)//// Closed in both directions 20 km south of Kamloops because of Vehicle Incident. Estimated Time of Opening is 10:00pm. Detour via Hwy 5. Next Update is 9:00pm. Updated on Wed May 16 at 7:34 pm PDT. (ID# 283491)//// Closed in both directions 20 km south of Kamloops because of Vehicle Incident. Estimated Time of Opening is 11:00pm. Detour via Hwy 5. Next Update is 10:00pm. Updated on Wed May 16 at 9:16 pm PDT. (ID# 283491)//// Vehicle Incident 20 km south of Kamloops. The road is reduced to single lane alternating traffic. Updated on Wed May 16 at 9:46 pm PDT. (ID# 283491)//// Vehicle Incident 20 km south of Kamloops. The road is reduced to single lane alternating traffic. Updated on Wed May 16 at 11:31 pm PDT. (ID# 283491)//// Vehicle Incident 20 km south of Kamloops is now clear. Updated on Thu May 17 at 12:22 am PDT. (ID# 283491)
2018	drivebc.ca/283491	Vehicle Incident	5/16/2018 17:57	5/17/2018 0:24	
					Closed in both directions from Merritt to Kamloops (91.5 km) because of Material Spill. Assessment in progress. No estimated time of opening. Alternate route via Highway 5. Next update 5:30 PM. Updated on Fri Aug 17 at 3:39 pm PDT. (ID# 284056)//// Closed in both directions from Merritt to Kamloops (91.5 km) because of Material Spill. Assessment in progress. No estimated time of opening. Alternate route via Highway 5. Next update 7:30 PM. Updated on Fri Aug 17 at 6:12 pm PDT. (ID# 284056)//// Closed in both directions from Merritt to Kamloops (91.5 km) because of Material Spill. Assessment in progress. No estimated time of opening. Alternate route via Highway 5. Next update 9:30 PM. Updated on Fri Aug 17 at 7:38 pm PDT. (ID# 284056)//// Closed in both directions from Merritt to Kamloops (91.5 km) because of Material Spill. Assessment in progress. No estimated time of opening. Alternate route via Highway 5. Next update 9:30 PM. Updated on Fri Aug 17 at 8:22 pm PDT. (ID# 284056)//// Closed in both directions from Merritt to Kamloops (91.5 km) because of Material Spill. Assessment in progress. Estimated time of opening between 11:00 PM - 12:00 AM. Alternate route via Highway 5. Next update 11:00 PM. Updated on Fri Aug 17 at 9:19 pm PDT. (ID# 284056)//// Material Spill from Merritt to Kamloops (91.5 km) has been cleared and the highway is open. Updated on Fri Aug 17 at 11:26 pm PDT. (ID# 284056)//// Material Spill from Merritt to Kamloops is now clear. Updated on Sat Aug 18 at 3:38 am PDT. (ID# 284056)
2018	drivebc.ca/284056	Material Spill	8/17/2018 15:37	8/17/2018 23:28	
					Closed in both directions 40 km north of Merritt because of Vehicle Incident. Assessment in progress, no detour available at this time, no Estimated Time of opening at this time. Updated on Wed Sep 13 at 2:12 am PDT. (ID# 250087)//// Closed in both directions 40 km north of Merritt because of Vehicle Incident. Estimated time of opening is 12:00 pm Sept 13, 2017. Detour available via Highway 5. Next update 11:00 am Sept 13, 2017. Updated on Wed Sep 13 at 2:37 am PDT. (ID# 250087)//// Closed in both directions 27 km north of Merritt (4km north of junction with Douglas Lake) because of Vehicle Incident. Estimated time of opening is 12:00pm, Sept 13th. Detour available via Hwy 5. Next update at 11am, Sept 13th. Updated on Wed Sep 13 at 3:29 am PDT. (ID# 250087)//// Closed in both directions 27 km north of Merritt (4km north of junction with Douglas Lake) because of Vehicle Incident. Estimated time of opening is 12:00pm, Sept 13th. Detour available via Hwy 5. Next update at 11am, Sept 13th. Updated on Wed Sep 13 at 7:26 am PDT. (ID# 250087)//// Vehicle Incident 27 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Wed Sep 13 at 7:30 am PDT. (ID# 250087)//// Vehicle Incident 27 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Wed Sep 13 at 12:36 pm PDT. (ID# 250087)//// Vehicle Incident 27 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Wed Sep 13 at 7:00 pm PDT. (ID# 250087)//// Vehicle Incident 27 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Wed Sep 13 at 8:48 pm PDT. (ID# 250087)//// Vehicle Incident 27 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Thu Sep 14 at 3:02 am PDT. (ID# 250087)//// Vehicle Incident 27 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Thu Sep 14 at 9:21 am PDT. (ID# 250087)//// Vehicle Incident 27 km north of Merritt is now clear. Updated on Thu Sep 14 at 12:38 pm PDT. (ID# 250087)
2017	250087	Vehicle Incident	9/13/2017 2:08	9/14/2017 12:38	
					Closed in both directions 40 km north of Merritt because of Vehicle Fire and Wildland Fire. Detour available via Highway 5. Estimated time of opening is currently not available; Assessment in progress. Next update at 11:30 pm. Updated on Wed Sep 13 at 9:24 pm PDT. (ID# 250099)//// Vehicle Fire and Wildland Fire 40 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Wed Sep 13 at 10:59 pm PDT. (ID# 250099)//// Vehicle Fire and Wildland Fire 40 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Thu Sep 14 at 3:02 am PDT. (ID# 250099)//// Vehicle Fire and Wildland Fire 40 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Thu Sep 14 at 9:21 am PDT. (ID# 250099)//// Vehicle Incident 40 km north of Merritt is now clear. Updated on Thu Sep 14 at 12:38 pm PDT. (ID# 250099)
2017	250099	Vehicle Incident	9/13/2017 21:21	9/14/2017 12:38	
					Closed in both directions from Merritt to 26.5 km north of Merritt (26.5 km) because of Bridge Maintenance, 7:00 am to 5:00 pm on Tue Nov 14. Detour Available Via Highway 5. Updated on Fri Nov 3 at 3:36 pm PDT. (ID# -66668)
2017	-66668	Bridge Maintenance	11/14/2017 7:00	11/14/2017 17:00	
					Closed in both directions from Merritt to 26.5 km north of Merritt (26.5 km) because of Bridge Construction, 7:00 am to 3:00 pm on Thu Nov 16. Detour Available Via Highway 5. Updated on Fri Nov 3 at 3:36 pm PDT. (ID# -66669)
2017	-66669	Bridge Construction	11/16/2017 7:00	11/16/2017 15:00	
					Highway 5A will be closed on November 14th and 16th between the hours of 7:00 am to 5:00 pm to all traffic in both directions. The closure will be 26 km north of Merritt from junction of Highway 5, because of Bridge Maintenance. Detour available via Highway 5. Updated on Tue Nov 14 at 6:56 am PST. (ID# -66696)
2017	-66696	Bridge Maintenance	11/14/2017 7:00	11/14/2017 17:00	
					Road reopened 64 km south of Exit 368, Junction with Highway 1 and 5, in Kamloops. Updated on Tue Nov 14 at 10:16 pm PST. (ID# -66720)
2017	-66720	Bridge Maintenance	11/14/2017 7:00	11/14/2017 17:00	
					Highway 5A will be closed on November 14th and 16th between the hours of 7:00 am to 5:00 pm to all traffic in both directions. The closure will be 26 km north of Merritt from junction of Highway 5, because of Bridge Maintenance. Detour available via Highway 5.
2017	-66704	Bridge Maintenance	11/16/2017 7:00	11/16/2017 17:00	

YEAR	ID	CAUSE	START	END	DESCRIPTION
2016	213484	Vehicle Incident	2/11/2016 1:37	2/11/2016 19:31	Vehicle Incident 33 km north of Merritt. The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Thu Feb 11 at 2:30 am PST. (ID# 213484) //// Vehicle Incident 33 km north of Merritt. The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Thu Feb 11 at 8:01 am PST. (ID# 213484) //// Vehicle Incident 33 km north of Merritt. The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Thu Feb 11 at 3:33 pm PST. (ID# 213484) //// Vehicle Incident 33 km north of Merritt is now clear. Updated on Thu Feb 11 at 7:31 pm PST. (ID# 213484)
2016	220798	Vehicle Incident	9/5/2016 17:15	9/5/2016 18:34	Closed in both directions from Merritt to Stump Lake Ranch (57.1 km) because of Vehicle Incident. Local traffic only. Detour available via Hwy 5 Coquihalla. Estimated time of opening currently unavailable, assessment in progress. Next update at 9:00 pm. Updated on Mon Sep 5 at 5:24 pm PDT. (ID# 220798) //// Road reopened from Merritt to Stump Lake Ranch. Updated on Mon Sep 5 at 6:34 pm PDT. (ID# 220798)
2016	220799	Vehicle Incident	9/5/2016 17:23	9/5/2016 18:32	Closed in both directions 30 km south of Kamloops because of Vehicle Incident. Alternate routes via Highway 1 or Highway 5 (Coquihalla). Estimated time of opening, currently unavailable. Assessment in progress. Next update at 9:00 pm. Updated on Mon Sep 5 at 5:29 pm PDT. (ID# 220799) //// Vehicle Incident 30 km south of Kamloops. The road is reduced to single lane alternating traffic. Updated on Mon Sep 5 at 6:13 pm PDT. (ID# 220799) //// Vehicle Incident 30 km south of Kamloops is now clear. Updated on Mon Sep 5 at 6:32 pm PDT. (ID# 220799)
2016	-61472	Vehicle Recovery	11/17/2016 11:00	11/17/2016 14:41	Closed in both directions 7.5 km south of Kamloops because of Vehicle Recovery, 11:00 am to 12:00 pm on Thu Nov 17. Updated on Thu Nov 17 at 10:57 am PST. (ID# -61472) //// Hwy 5A will be closed in both directions 7.5 km south of Kamloops for approximately 20 minutes because of Vehicle Recovery, between 11:00 am to 12:00 pm on Thu Nov 17. Please watch for flag persons. Updated on Thu Nov 17 at 10:59 am PST. (ID# -61472) //// Hwy 5A will be closed in both directions 7.5 km south of Kamloops for approximately 20 minutes because of Vehicle Recovery, between 11:00 am to 12:00 pm on Thu Nov 17. Please watch for flag persons. Updated on Thu Nov 17 at 11:03 am PST. (ID# -61472) //// Road reopened 7.5 km south of Kamloops. Updated on Thu Nov 17 at 2:41 pm PST. (ID# -61472)
2014	175774	Freezing Rain	12/6/2014 9:28	12/6/2014 13:50	Freezing Rain from Merritt to Stump Lake Ranch (57.1 km). Travel Advisory in effect. Travellers are advised to exercise caution and consider alternate plans. Updated Sat Dec 6 at 10:28 am PST. (ID# 175774) //// Freezing Rain from Merritt to Stump Lake Ranch is now clear. Travel advisory has been rescinded. Updated on Sat Dec 6 at 1:50 pm PST. (ID# 175774)
2013	154397	Hydro Lines Down	10/13/2013 19:40	10/14/2013 19:33	Closed in both directions 5 km north of Merritt because of Vehicle Incident. No detour information yet available. Assessment in progress, Next update at 8:45pm. Updated on Sun Oct 13 at 7:50 pm PDT. (ID# 154397) //// Closed in both directions 5 km north of Merritt because of Vehicle Incident. Detour via Highway 5 Coquihalla. Assessment in progress, Next update at 8:45pm. Updated on Sun Oct 13 at 8:04 pm PDT. (ID# 154397) //// Closed in both directions 5 km north of Merritt because of Vehicle Incident. Detour via Highway 5 Coquihalla. Assessment in progress, Next update at 8:45pm. Updated on Sun Oct 13 at 8:32 pm PDT. (ID# 154397) //// Closed in both directions 5 km north of Merritt because of Hydro Lines Down. Detour via Highway 5 Coquihalla. Estimated time of opening between 11:00 pm and 2:00 am. Next update at 11:00 pm. Updated on Sun Oct 13 at 8:39 pm PDT. (ID# 154397) //// Closed in both directions 5 km north of Merritt because of Hydro Lines Down. Detour via Highway 5 Coquihalla. Estimated time of opening between 12:00 am and 3:00 am. Next update at 12:00 am. Updated on Sun Oct 13 at 11:05 pm PDT. (ID# 154397) //// Closed in both directions 5 km north of Merritt because of Hydro Lines Down. Detour via Highway 5 Coquihalla. Estimated time of opening between 1:00 am and 4:00 am. Next update at 1:00 am. Updated on Mon Oct 14 at 12:07 am PDT. (ID# 154397) //// Closed in both directions 5 km north of Merritt because of Hydro Lines Down. Detour via Highway 5 Coquihalla. Estimated time of opening between 2:15 am and 5:15 am. Next update at 2:00 am. Updated on Mon Oct 14 at 1:09 am PDT. (ID# 154397) //// Closed in both directions 5 km north of Merritt because of Hydro Lines Down. Detour via Highway 5 Coquihalla. Estimated time of opening between 2:15 am and 5:15 am. Next update at 2:00 am. Updated on Mon Oct 14 at 1:10 am PDT. (ID# 154397) //// Closed in both directions 5 km north of Merritt because of Hydro Lines Down. Detour via Highway 5 Coquihalla. Estimated time of opening between 3:15 am and 6:15 am. Next update at 3:00 am. Updated on Mon Oct 14 at 2:00 am PDT. (ID# 154397) //// Closed in both directions 5 km north of Merritt because of Hydro Lines Down. Detour via Highway 5 Coquihalla. Estimated time of opening between 4:15 am and 5:15 am. Next update at 4:00 am. Updated on Mon Oct 14 at 3:06 am PDT. (ID# 154397) //// Closed in both directions 5 km north of Merritt because of Hydro Lines Down. Detour via Highway 5 Coquihalla. Estimated time of opening between 5:15 am and 8:15 am. Next update at 5:00 am. Updated on Mon Oct 14 at 4:06 am PDT. (ID# 154397) //// Closed in both directions 5 km north of Merritt because of Hydro Lines Down. Detour via Highway 5 Coquihalla. Estimated time of opening between 6:15 am and 9:15 am. Next update at 6:00 am. Updated on Mon Oct 14 at 5:11 am PDT. (ID# 154397) //// Closed in both directions 5 km north of Merritt because of Hydro Lines Down. Detour via Highway 5 Coquihalla. Estimated time of opening between 6:15 am and 9:15 am. Next update at 6:00 am. Updated on Mon Oct 14 at 6:03 am PDT. (ID# 154397) //// Hydro Lines Down 5 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Mon Oct 14 at 6:05 am PDT. (ID# 154397) //// Hydro Lines Down 5 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Mon Oct 14 at 11:18 am PDT. (ID# 154397) //// Hydro Lines Down 5 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Mon Oct 14 at 7:21 pm PDT. (ID# 154397) //// Hydro Lines Down 5 km north of Merritt is now clear. Updated on Mon Oct 14 at 7:33 pm PDT. (ID# 154397)
2013	156917	Vehicle Incident	11/14/2013 21:11	11/15/2013 4:21	Closed in both directions 4 km north of Merritt because of Vehicle Incident. Estimated Time of Opening between 10 pm and Midnight Nov 15. Next update at 10pm. Detour available via Highway 5. Updated on Thu Nov 14 at 9:18 pm PST. (ID# 156917) //// Vehicle Incident 4 km north of Merritt. The road is reopened to single lane alternating traffic. Updated on Thu Nov 14 at 9:51 pm PST. (ID# 156917) //// Vehicle Incident 4 km north of Merritt. The road is reopened to single lane alternating traffic. Updated on Fri Nov 15 at 3:21 am PST. (ID# 156917) //// Vehicle Incident 4 km north of Merritt. The road is reopened to single lane alternating traffic. Updated on Fri Nov 15 at 3:22 am PST. (ID# 156917) //// Vehicle Incident 4 km north of Merritt is now clear. Updated on Fri Nov 15 at 4:21 am PST. (ID# 156917) //// Vehicle Incident 4 km north of Merritt is now clear. Updated on Fri Nov 15 at 7:34 am PST. (ID# 156917)
2013	158048	Freezing Rain	11/29/2013 8:00	11/29/2013 12:19	Freezing Rain from Merritt to Stump Lake Ranch (57.1 km). Travel Advisory in effect. Travellers are advised to exercise caution and consider alternate plans. Updated Fri Nov 29 at 8:45 am PST. (ID# 158048) //// Freezing Rain from Merritt to Stump Lake Ranch (57.1 km). Travel Advisory in effect. Travellers are advised to exercise caution and consider alternate plans. Updated Fri Nov 29 at 11:33 am PST. (ID# 158048) //// Travel Advisory for Freezing Rain from Merritt to Stump Lake Ranch is now terminate. Updated on Fri Nov 29 at 12:19 pm PST. (ID# 158048)
2013	158086 / 158096	Vehicle Incident	11/29/2013 9:20	11/30/2013 0:13	Closed in both directions 40 km north of Merritt because of Collision. No detour available, site being assessed, next update at 09:45 am. Updated on Fri Nov 29 at 9:21 am PST. (ID# 158086) //// Closed in both directions 40 km north of Merritt because of Vehicle Incident. Estimated time of opening is between 12pm to 3pm. No detour available. Next update at 11am. Updated on Fri Nov 29 at 9:58 am PST. (ID# 158096) //// Closed in both directions 40 km north of Merritt because of Vehicle Incident. Estimated time of opening is between 12pm to 3pm. Detour is available HWY 5 Merritt to Kamloops. Local traffic only to Peter Hope road. Next update at 11am. Updated on Fri Nov 29 at 10:26 am PST. (ID# 158096) //// Closed in both directions 40 km north of Merritt because of Collision. This event is ongoing. Please refer to ID# 158096. Updated on Fri Nov 29 at 11:02 am PST. (ID# 158086) //// Closed in both directions 40 km north of Merritt because of Vehicle Incident. Estimated time of opening is between 12 pm to 3 pm. Detour is available HWY 5 Merritt to Kamloops. Local traffic only to Peter Hope Road. Next update at 11:45 am. Updated on Fri Nov 29 at 11:11 am PST. (ID# 158096) //// Vehicle Incident 40 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Fri Nov 29 at 11:47 am PST. (ID# 158096) //// Vehicle Incident 40 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Fri Nov 29 at 3:54 pm PST. (ID# 158096) //// Vehicle Incident 40 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Fri Nov 29 at 7:58 pm PST. (ID# 158096) //// Vehicle Incident 40 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Sat Nov 30 at 12:08 am PST. (ID# 158096) //// Vehicle Incident 40 km north of Merritt is now clear. Updated on Sat Nov 30 at 12:13 am PST. (ID# 158096)
2012	124072	Vehicle Incident	1/7/2012 14:32	1/7/2012 15:50	Closed in both directions 25 km north of Merritt because of a Vehicle Incident. Estimated time of opening at 3:30 pm. High confidence level. Next update at 3:30 pm. No detour available. Updated on Sat Jan 7 at 2:32 pm. (ID# 124072) //// Closed in both directions 25 km north of Merritt because of a Vehicle Incident. Estimated time of opening at 3:45 pm. High confidence level. Next update at 3:45 pm. No detour available. Updated on Sat Jan 7 at 3:36 pm. (ID# 124072) //// Road reopened 25 km north of Merritt. Updated on Sat Jan 7 at 3:50 pm. (ID# 124072)
2012	126059	Limited Visibility with Blowing Snow	1/26/2012 8:22	1/26/2012 10:18	Limited Visibility with Blowing Snow from Merritt to Stump Lake Ranch (57.1 km). Travel Advisory in effect. Please use extreme caution when traveling. Updated Thu Jan 26 at 8:22 am. (ID# 126059) //// Limited Visibility with Blowing Snow from Merritt to Stump Lake Ranch is now clear. Updated on Thu Jan 26 at 10:18 am. (ID# 126059)

YEAR	ID	CAUSE	START	END	DESCRIPTION
2012	134420	Vehicle Incident	7/20/2012 17:02	7/20/2012 19:28	Closed in both directions 35 km south of Kamloops because of Vehicle Incident. No detour available. Estimated time of opening 6:30pm with Moderate confidence level. Updated on Fri Jul 20 at 5:02 pm. (ID# 134420) //// Closed in both directions 35 km south of Kamloops because of Vehicle Incident. No detour available. Estimated time of opening 6:30pm with Moderate confidence level. Updated on Fri Jul 20 at 6:42 pm. (ID# 134420) //// Closed in both directions 35 km south of Kamloops because of Vehicle Incident. No detour available. Estimated time of opening 8:00pm with Moderate confidence level. Next update at 7:30 pm. Updated on Fri Jul 20 at 6:48 pm. (ID# 134420) //// Vehicle Incident 35 km south of Kamloops. The road is reduced to single lane alternating traffic. Updated on Fri Jul 20 at 7:28 pm. (ID# 134420)
2012	134868	Vehicle Incident	9/11/2012 17:47	9/12/2012 3:33	Closed in both directions 16 km south of Exit 368, Junction with Highway 1 and 5, in Kamloops because of Vehicle Incident. No detour available. Estimated time of opening 6:30 pm. High Confidence. Next update at 6:30 pm. Updated on Tue Sep 11 at 5:47 pm. (ID# 134868) //// Vehicle Incident 16 km south of Exit 368, Junction with Highway 1 and 5, in Kamloops. The road is reduced to single lane alternating traffic. Updated on Tue Sep 11 at 6:35 pm. (ID# 134868) //// Vehicle Incident 16 km south of Exit 368, Junction with Highway 1 and 5, in Kamloops. The road is reduced to single lane alternating traffic. Updated on Tue Sep 11 at 10:54 pm. (ID# 134868) //// Vehicle Incident 16 km south of Exit 368, Junction with Highway 1 and 5, in Kamloops. The road is reduced to single lane alternating traffic. Updated on Wed Sep 12 at 3:33 am. (ID# 134868)
2012	135059	Vehicle Incident	10/5/2012 19:37	10/6/2012 20:24	Closed in both directions 17 km south of Stump Lake Ranch because of Vehicle Incident. No estimated time for opening. Assessment in progress. No detour at this time. ONLY local traffic and emergency vehicles will be allowed through. Next update 830pm PDT. Updated on Fri Oct 5 at 7:37 pm. (ID# 135059) //// Closed in both directions 17 km south of Stump Lake Ranch because of Vehicle Incident. Estimated time of opening is Noon, Saturday Oct 6th with a low confidence. Next update is at 10pm. ONLY local traffic and emergency vehicles will be allowed through. Next update 830pm PDT. Updated on Fri Oct 5 at 8:35 pm. (ID# 135059) //// Closed in both directions at Stump Lake Ranch because of Vehicle Incident. Estimated time of opening is Noon, Saturday Oct 6th with a low confidence. Next update is at 7am. ONLY local traffic and emergency vehicles will be allowed through. Detour available at Merritt via Highway 5. Updated on Fri Oct 5 at 9:40 pm. (ID# 135059) //// Closed in both directions at Stump Lake Ranch because of Vehicle Incident. Estimated time of opening is Noon, Saturday Oct 6th with a low confidence. Next update is at 7am. ONLY local traffic and emergency vehicles will be allowed through. Detour available at Merritt via Highway 5. Updated on Sat Oct 6 at 2:40 am. (ID# 135059) //// Closed in both directions at Stump Lake Ranch because of Vehicle Incident. Estimated time of opening is Noon, Saturday Oct 6th with a low confidence. Next update is at 7am. ONLY local traffic and emergency vehicles will be allowed through. Detour available at Merritt via Highway 5. Updated on Sat Oct 6 at 7:04 am. (ID# 135059) //// Closed in both directions at Stump Lake Ranch because of Vehicle Incident. Estimated time of opening is Noon, Saturday Oct 6th with a low confidence. Next update is at 8am. ONLY local traffic and emergency vehicles will be allowed through. Detour available at Merritt via Highway 5. Updated on Sat Oct 6 at 7:05 am. (ID# 135059) //// Closed in both directions at Stump Lake Ranch because of Vehicle Incident. Estimated time of opening is Noon, Saturday Oct 6th with a low confidence. Next update is at 11am. ONLY local traffic and emergency vehicles will be allowed through. Detour available at Merritt via Highway 5. Updated on Sat Oct 6 at 8:19 am. (ID# 135059) //// Closed in both directions at Stump Lake Ranch because of Vehicle Incident. Estimated time of opening to Single lane alternating traffic is Noon, Saturday Oct 6th with a high confidence. Next update is at 11:30am. ONLY local traffic and emergency vehicles will be allowed through. Detour available at Merritt via Highway 5. Updated on Sat Oct 6 at 10:49 am. (ID# 135059) //// Closed in both directions at Stump Lake Ranch because of Vehicle Incident. Estimated time of opening to Single lane alternating traffic is Noon, Saturday Oct 6th with a high confidence. Next update is at 11:30am. ONLY local traffic and emergency vehicles will be allowed through. Detour available at Merritt via Highway 5. Updated on Sat Oct 6 at 11:12 am. (ID# 135059) //// Vehicle Incident at Stump Lake Ranch. The road is reduced to single lane alternating traffic. Updated on Sat Oct 6 at 11:42 am. (ID# 135059) //// Vehicle Incident at Stump Lake Ranch. The road is reduced to single lane alternating traffic. Updated on Sat Oct 6 at 4:15 pm. (ID# 135059) //// Vehicle Incident at Stump Lake Ranch. The road is reduced to single lane alternating traffic. Updated on Sat Oct 6 at 7:04 pm. (ID# 135059) //// Vehicle Incident at Stump Lake Ranch is now clear. Updated on Sat Oct 6 at 8:24 pm. (ID# 135059)
2011	108178	Vehicle Incident	1/24/2011 23:57	1/25/2011 5:26	Closed in both directions 29 km north of Merritt because of Vehicle Incident. Estimated time of opening 5 am. Confidence level moderate. Next update 4 am. Updated on Mon Jan 24 at 11:57 pm. (ID# 108178) //// Vehicle Incident 29 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Tue Jan 25 at 3:19 am. (ID# 108178) //// Vehicle Incident 29 km north of Merritt is now clear. Updated on Tue Jan 25 at 5:26 am. (ID# 108178)
2011	-25069	Vehicle Recovery	1/25/2011 10:48	1/25/2011 15:20	Closed in both directions 500 m south of Kamloops because of Vehicle Recovery, 12:30 pm to 3:00 pm on Tue Jan 25. Updated on Tue Jan 25 at 10:48 am. (ID# -25069) //// Closed in both directions 500 m south of Kamloops because of Vehicle Recovery, 12:30 pm to 4:00 pm on Tue Jan 25. Confidence level: moderate. Updated on Tue Jan 25 at 3:01 pm. (ID# -25069) //// Vehicle Recovery 500 m south of Kamloops 12:30 pm to 4:00 pm on Tue Jan 25. The road is reduced to single lane alternating traffic. Updated on Tue Jan 25 at 3:20 pm. (ID# -25069)
2010	98106	Collision	4/14/2010 14:20	4/14/2010 21:14	Closed in both directions 20 km south of Kamloops because of Collision. Updated on Wed Apr 14 at 2:20 pm. (ID# 98106) //// Closed in both directions 20 km south of Kamloops because of Collision. Estimated time of Opening 6:30 pm. Low confidence level. Next update at 3:30 pm. Updated on Wed Apr 14 at 2:22 pm. (ID# 98106) //// Closed in both directions 20 km south of Kamloops because of Collision. Estimated time of Opening 6:30 pm. Low confidence level. Next update at 3:30 pm. Updated on Wed Apr 14 at 3:35 pm. (ID# 98106) //// Closed in both directions 20 km south of Kamloops because of Collision. Estimated time of Opening 6:30 pm. Low confidence level. Next update at 3:30 pm. Updated on Wed Apr 14 at 3:50 pm. (ID# 98106) //// Closed in both directions 20 km south of Kamloops because of Collision. Estimated time of Opening 8:00 pm. Moderate confidence level. Next update at 6:00 pm. Updated on Wed Apr 14 at 3:52 pm. (ID# 98106) //// Closed in both directions 20 km south of Kamloops because of Collision. Estimated time of Opening 8:00 pm. Moderate confidence level. Next update at 8:00 pm. Updated on Wed Apr 14 at 6:28 pm. (ID# 98106) //// Closed in both directions 20 km south of Kamloops because of Collision. Estimated time of Opening 9:30 pm. Moderate confidence level. Next update at 9:30 pm. Updated on Wed Apr 14 at 8:09 pm. (ID# 98106) //// Closed in both directions 20 km south of Kamloops because of Collision. Estimated time of Opening 9:30 pm. Moderate confidence level. Next update at 9:30 pm. Updated on Wed Apr 14 at 8:13 pm. (ID# 98106) //// Closed in both directions 20 km south of Kamloops because of Collision. Estimated time of Opening 9:30 pm. Moderate confidence level. Next update at 9:30 pm. Updated on Wed Apr 14 at 8:13 pm. (ID# 98106) //// Road reopened 20 km south of Kamloops. Updated on Wed Apr 14 at 9:14 pm. (ID# 98106)

YEAR	ID	CAUSE	START	END	DESCRIPTION
2010	98191	Vehicle Incident	4/28/2010 7:12	4/28/2010 20:50	Closed in both directions 10 km north of Merritt because of Vehicle Incident. Recommending taking a detour. Low confidence level. Updated on Wed Apr 28 at 7:12 am. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. Low confidence level. There is not an estimated time of opening at this time. Updated on Wed Apr 28 at 7:22 am. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. Low confidence level. There is not an estimated time of opening at this time. Updated on Wed Apr 28 at 7:24 am. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. Low confidence level. There is not an estimated time of opening at this time. Updated on Wed Apr 28 at 8:46 am. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. Moderate confidence level. Estimated time of opening is 1:00 pm. Updated on Wed Apr 28 at 8:52 am. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. Moderate confidence level. Estimated time of opening is 1:00 pm. Updated on Wed Apr 28 at 11:13 am. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. Moderate confidence level. Estimated time of opening is 1:00 pm. Updated on Wed Apr 28 at 12:53 pm. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. Moderate confidence level. Estimated time of opening is 1:00 pm. Updated on Wed Apr 28 at 12:54 pm. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. High confidence level. Estimated time of opening is 3:00 pm. Next update at 2:00 pm. Updated on Wed Apr 28 at 12:57 pm. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. High confidence level. Estimated time of opening is 3:00 pm. Updated on Wed Apr 28 at 2:11 pm. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. High confidence level. Estimated time of opening is 3:00 pm. Updated on Wed Apr 28 at 2:15 pm. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. High confidence level. Estimated time of opening is 3:00 pm. Updated on Wed Apr 28 at 2:32 pm. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. High confidence level. Estimated time of opening is 4:00 pm. Updated on Wed Apr 28 at 2:33 pm. (ID# 98191) //// Closed in both directions 10 km north of Merritt because of Vehicle Incident. Detour Highway 5 Coquihalla Highway. High confidence level. Estimated time of opening is 4:00 pm. Updated on Wed Apr 28 at 3:32 pm. (ID# 98191) //// Vehicle Incident 10 km north of Merritt. The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Wed Apr 28 at 3:48 pm. (ID# 98191) //// Vehicle Incident 10 km north of Merritt. The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Wed Apr 28 at 5:13 pm. (ID# 98191) //// Vehicle Incident 10 km north of Merritt. The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Wed Apr 28 at 5:13 pm. (ID# 98191) //// Vehicle Incident 10 km north of Merritt. Single Lane Alternating Traffic with 20 minute delays. Estimated time to full opening 09:00 pm, confidence moderate. Updated on Wed Apr 28 at 5:34 pm. (ID# 98191) //// Vehicle Incident 10 km north of Merritt is now clear. Updated on Wed Apr 28 at 8:50 pm. (ID# 98191)
2010	98203	Vehicle Incident	4/29/2010 7:09	4/29/2010 17:08	Closed in both directions 14 km south of Kamloops because of Vehicle Incident. Estimated time of opening to single lane alternating traffic 8:15 am, high confidence. Updated on Thu Apr 29 at 7:09 am. (ID# 98203) //// Vehicle Incident 14 km south of Kamloops. The road is reduced to single lane alternating traffic. Updated on Thu Apr 29 at 8:51 am. (ID# 98203) //// Vehicle Incident 14 km south of Kamloops. The road is reduced to single lane alternating traffic. Updated on Thu Apr 29 at 11:36 am. (ID# 98203) //// Vehicle Incident 14 km south of Kamloops. The road is reduced to single lane alternating traffic. Updated on Thu Apr 29 at 3:39 pm. (ID# 98203) //// Vehicle Incident 14 km south of Kamloops is now clear. Updated on Thu Apr 29 at 5:08 pm. (ID# 98203)
2010	101306	Vehicle Incident	11/18/2010 8:47	11/18/2010 10:04	Closed in both directions 15 km north of Merritt because of Vehicle Incident. Next update at 9:30 am. Updated on Thu Nov 18 at 8:47 am. (ID# 101306) //// Vehicle Incident 15 km north of Merritt. The road is reduced to single lane alternating traffic. Estimated time of full opening 9:30 am. Updated on Thu Nov 18 at 9:07 am. (ID# 101306) //// Vehicle Incident 15 km north of Merritt is now clear. Updated on Thu Nov 18 at 10:04 am. (ID# 101306)
2010	104711	Vehicle Incident	12/23/2010 8:12	12/23/2010 9:51	Closed in both directions 1 km south of Kamloops because of Vehicle Incident. Updated on Thu Dec 23 at 8:12 am. (ID# 104711) //// Closed in both directions 1 km south of Kamloops because of Vehicle Incident. Estimated time of opening 8:45 am, confidence moderate. Updated on Thu Dec 23 at 8:13 am. (ID# 104711) //// Vehicle Incident 1 km south of Kamloops. The road is reduced to single lane alternating traffic. Updated on Thu Dec 23 at 8:42 am. (ID# 104711) //// Vehicle Incident 1 km south of Kamloops. The road is reduced to single lane alternating traffic. Updated on Thu Dec 23 at 8:41 am. (ID# 104711) //// Vehicle Incident 1 km south of Kamloops is now clear. Updated on Thu Dec 23 at 9:51 am. (ID# 104711)
2009	78650	Collision	2/28/2009 8:24	3/1/2009 0:00	Closed in both directions from Merritt to Stump Lake Ranch (57.1 km) because of Collision. Updated on Sat Feb 28 at 8:24 am. (ID# 78650) //// Closed in both directions from Merritt to Stump Lake Ranch (57.1 km) because of Collision. Updated on Sat Feb 28 at 8:25 am. (ID# 78650) //// Closed in both directions from Merritt to Stump Lake Ranch (57.1 km) because of Collision. Updated on Sat Feb 28 at 12:12 pm. (ID# 78650) //// Closed in both directions from Merritt to Stump Lake Ranch (57.1 km) because of Collision. Estimated time of opening to single lane traffic 2:30 pm. Confidence level: Moderate. Updated on Sat Feb 28 at 12:15 pm. (ID# 78650) //// Collision from Merritt to Stump Lake Ranch (57.1 km). The road is reduced to single lane alternating traffic. Updated on Sat Feb 28 at 2:26 pm. (ID# 78650) //// Collision from Merritt to Stump Lake Ranch (57.1 km). The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Sat Feb 28 at 3:07 pm. (ID# 78650) //// Collision from Merritt to Stump Lake Ranch (57.1 km). The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Sat Feb 28 at 7:12 pm. (ID# 78650) //// Collision from Merritt to Stump Lake Ranch (57.1 km). The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Sat Feb 28 at 11:12 pm. (ID# 78650) //// Collision from Merritt to Stump Lake Ranch (57.1 km). The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Sat Feb 28 at 11:53 pm. (ID# 78650) //// Collision from Merritt to Stump Lake Ranch (57.1 km). The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Sat Feb 28 at 11:53 pm. (ID# 78650) //// Collision from Merritt to Stump Lake Ranch (57.1 km). The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Sun Mar 1 at 12:00 am. (ID# 78650)
2009	82498	Collision	5/17/2009 14:44	5/17/2009 15:13	Closed in both directions 28.2 km north of Exit 290, Junction with Highway 5, Merritt (North) because of Collision. Updated on Sun May 17 at 2:44 pm. (ID# 82498) //// Closed in both directions 28.2 km north of Exit 290, Junction with Highway 5, Merritt (North) because of Collision. Updated on Sun May 17 at 3:10 pm. (ID# 82498) //// Road reopened 28.2 km north of Exit 290, Junction with Highway 5, Merritt (North). Updated on Sun May 17 at 3:13 pm. (ID# 82498)
2009	82537	Collision	5/31/2009 10:20	5/31/2009 14:53	Closed in both directions from Merritt to 3 km north of Merritt (3 km) because of Collision. Updated on Sun May 31 at 10:20 am. (ID# 82537) //// Closed in both directions from Merritt to 3 km north of Merritt (3 km) because of Collision. Estimated time of opening 12:30 pm today. Updated on Sun May 31 at 10:21 am. (ID# 82537) //// Closed in both directions from Merritt to 3 km north of Merritt (3 km) because of Collision. Estimated time of opening 12:30 pm today. Updated on Sun May 31 at 11:36 am. (ID# 82537) //// Closed in both directions from Merritt to 3 km north of Merritt (3 km) because of Collision. Estimated time of opening 1:00 pm today. Low confidence level. Updated on Sun May 31 at 11:37 am. (ID# 82537) //// Closed in both directions from Merritt to 3 km north of Merritt (3 km) because of Collision. Estimated time of opening 1:00 pm today. Low confidence level. Updated on Sun May 31 at 12:54 pm. (ID# 82537) //// Closed in both directions from Merritt to 3 km north of Merritt (3 km) because of Collision. Estimated time of opening 2:00 pm today. Moderate confidence level. Updated on Sun May 31 at 12:56 pm. (ID# 82537) //// Collision from Merritt to 3 km north of Merritt (3 km). The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Sun May 31 at 1:18 pm. (ID# 82537) //// Collision from Merritt to 3 km north of Merritt (3 km). The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Sun May 31 at 2:51 pm. (ID# 82537) //// Collision from Merritt to 3 km north of Merritt is now clear. Updated on Sun May 31 at 2:53 pm. (ID# 82537)

YEAR	ID	CAUSE	START	END	DESCRIPTION
					Closed in both directions 50 km south of Kamloops because of Collision. Updated on Fri Jul 10 at 2:08 pm. (ID# 82719) //// Closed in both directions 30 km south of Kamloops because of Collision. Updated on Fri Jul 10 at 4:21 pm. (ID# 82719) //// Closed in both directions 30 km south of Kamloops because of Collision. Updated on Fri Jul 10 at 5:54 pm. (ID# 82719) //// Closed in both directions 30 km south of Kamloops because of Collision. Updated on Fri Jul 10 at 6:01 pm. (ID# 82719) //// Closed in both directions 30 km south of Kamloops because of Collision. Estimated time of opening 8 pm. Confidence level moderate. Updated on Fri Jul 10 at 6:02 pm. (ID# 82719) //// Closed in both directions 30 km south of Kamloops because of Collision. Estimated time of opening 8 pm. Confidence level moderate. Updated on Fri Jul 10 at 6:59 pm. (ID# 82719) //// Closed in both directions 30 km south of Kamloops because of Collision. Estimated time of opening 10 pm. Confidence level high. Updated on Fri Jul 10 at 7:00 pm. (ID# 82719) //// Closed in both directions 30 km south of Kamloops because of Collision. Estimated time of opening 10 pm. Confidence level high. Updated on Fri Jul 10 at 9:40 pm. (ID# 82719) //// Closed in both directions 30 km south of Kamloops because of Collision. Estimated time of opening 11:30 pm. Confidence level moderate. Updated on Fri Jul 10 at 9:48 pm. (ID# 82719) //// Closed in both directions 30 km south of Kamloops because of Collision. Estimated time of opening 11:30 pm. Confidence level moderate. Updated on Fri Jul 10 at 11:42 pm. (ID# 82719) //// Collision 30 km south of Kamloops. The road is reduced to single lane alternating traffic. Updated on Sat Jul 11 at 12:12 am. (ID# 82719) //// Collision 30 km south of Kamloops is now clear. Updated on Sat Jul 11 at 6:07 am. (ID# 82719)
2009	82719	Collision	7/10/2009 14:08	7/11/2009 6:07	
2009	-16688	Vehicle Recovery	7/13/2009 17:58	7/13/2009 19:54	Closed in both directions 30 km south of Kamloops because of Vehicle Recovery, 6:30 pm to 7:00 pm on Mon Jul 13. Updated on Mon Jul 13 at 5:58 pm. (ID# -16688) //// Road reopened 30 km south of Kamloops. Updated on Mon Jul 13 at 7:54 pm. (ID# -16688)
2009	83084	Collision	10/5/2009 1:58	10/5/2009 18:09	Closed in both directions 5 km north of Merritt because of Collision. Updated on Mon Oct 5 at 1:58 am. (ID# 83084) //// Closed in both directions 5 km north of Merritt because of Collision. Updated on Mon Oct 5 at 3:07 am. (ID# 83084) //// Collision 5 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Mon Oct 5 at 4:41 am. (ID# 83084) //// Collision 5 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Mon Oct 5 at 7:42 am. (ID# 83084) //// Collision 5 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Mon Oct 5 at 1:06 pm. (ID# 83084) //// Collision 5 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Mon Oct 5 at 1:09 pm. (ID# 83084) //// Collision 5 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Mon Oct 5 at 1:09 pm. (ID# 83084) //// Collision 5 km north of Merritt. The road is reduced to single lane alternating traffic. Updated on Mon Oct 5 at 1:16 pm. (ID# 83084) //// Collision 5 km north of Merritt. The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Mon Oct 5 at 1:18 pm. (ID# 83084) //// Collision 5 km north of Merritt is now clear. Updated on Mon Oct 5 at 6:09 pm. (ID# 83084)
2008	65974	Collision	7/9/2008 17:39	7/9/2008 20:15	Closed in both directions 15 km north of Merritt because of Collision. Updated on Wed Jul 9 at 5:39 pm. (ID# 65974) //// Closed in both directions 15 km north of Merritt because of Collision. Updated on Wed Jul 9 at 5:39 pm. (ID# 65974) //// Road reopened 15 km north of Merritt. Updated on Wed Jul 9 at 8:15 pm. (ID# 65974)
2007	44720	Vehicle Fire	3/9/2007 0:25	3/9/2007 3:50	Closed in both directions 10 km north of Merritt because of Vehicle Fire. Updated on Fri Mar 9 at 12:25 am. (ID# 44720) //// Road reopened 10 km north of Merritt. Updated on Fri Mar 9 at 3:50 am. (ID# 44720)
2007	47340	Collision	6/23/2007 0:31	6/23/2007 1:47	Closed in both directions 10 km south of Kamloops because of Collision. Updated on Sat Jun 23 at 12:31 am. (ID# 47340) //// Closed in both directions 10 km south of Kamloops because of Collision. Updated on Sat Jun 23 at 12:33 am. (ID# 47340) //// Road reopened 10 km south of Kamloops. Updated on Sat Jun 23 at 1:47 am. (ID# 47340)
2007	47371	Collision	7/3/2007 15:11	7/3/2007 22:15	Closed in both directions 31 km north of Merritt because of Collision. Updated on Tue Jul 3 at 3:11 pm. (ID# 47371) //// Closed in both directions at Nicola Lake rest area, 31 km north of Merritt because of Collision. Detour via Highway 5. Updated on Tue Jul 3 at 3:32 pm. (ID# 47371) //// Closed in both directions at Nicola Lake rest area, 31 km north of Merritt because of Collision. Detour via Highway 5. Updated on Tue Jul 3 at 4:21 pm. (ID# 47371) //// Closed in both directions at Nicola Lake rest area, 31 km north of Merritt because of Collision. Detour via Highway 5. Updated on Tue Jul 3 at 4:21 pm. (ID# 47371) //// Closed in both directions at Nicola Lake rest area, 31 km north of Merritt because of Collision. Detour via Highway 5. Updated on Tue Jul 3 at 5:38 pm. (ID# 47371) //// Closed in both directions at Nicola Lake rest area, 31 km north of Merritt because of Collision. Detour via Highway 5. Updated on Tue Jul 3 at 5:53 pm. (ID# 47371) //// Closed in both directions at Nicola Lake rest area, 31 km north of Merritt because of Collision. Detour via Highway 5. Updated on Tue Jul 3 at 8:19 pm. (ID# 47371) //// Closed in both directions at Nicola Lake rest area, 31 km north of Merritt because of Collision. Detour via Highway 5. Updated on Tue Jul 3 at 8:40 pm. (ID# 47371) //// Road reopened 31 km north of Merritt. Updated on Tue Jul 3 at 10:15 pm. (ID# 47371)
2007	48143	Collision	10/26/2007 15:26	10/26/2007 21:51	Closed in both directions from Stump Lake Ranch to Exit 368, Junction with Highway 1 and 5, in Kamloops (35.5 km) because of Collision. Updated on Fri Oct 26 at 3:26 pm. (ID# 48143) //// Closed in both directions from Stump Lake Ranch to Exit 368, Junction with Highway 1 and 5, in Kamloops (35.5 km) because of Collision. Updated on Fri Oct 26 at 4:01 pm. (ID# 48143) //// Closed in both directions from Stump Lake Ranch to Exit 368, Junction with Highway 1 and 5, in Kamloops (35.5 km) because of Collision. Highway opening ETA - 7pm. Updated on Fri Oct 26 at 4:03 pm. (ID# 48143) //// Closed in both directions from Stump Lake Ranch to Exit 368, Junction with Highway 1 and 5, in Kamloops (35.5 km) because of Collision. Highway opening ETA - 7pm. Updated on Fri Oct 26 at 5:43 pm. (ID# 48143) //// Closed in both directions from Stump Lake Ranch to Exit 368, Junction with Highway 1 and 5, in Kamloops (35.5 km) because of Collision. Highway opening ETA - 7:45 pm to single lane alternating traffic. Updated on Fri Oct 26 at 7:06 pm. (ID# 48143) //// Collision from Stump Lake Ranch to Exit 368, Junction with Highway 1 and 5, in Kamloops (35.5 km). The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Fri Oct 26 at 7:48 pm. (ID# 48143) //// Collision from Stump Lake Ranch to Exit 368, Junction with Highway 1 and 5, in Kamloops (35.5 km). The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Fri Oct 26 at 7:48 pm. (ID# 48143) //// Collision from Stump Lake Ranch to Exit 368, Junction with Highway 1 and 5, in Kamloops (35.5 km). The road is reduced to single lane alternating traffic with up to 20 minutes delay. Updated on Fri Oct 26 at 9:28 pm. (ID# 48143) //// Collision from Stump Lake Ranch to Exit 368, Junction with Highway 1 and 5, in Kamloops is now clear. Updated on Fri Oct 26 at 9:51 pm. (ID# 48143)
2007	51833	Collision	12/6/2007 10:48	12/6/2007 13:11	Closed in both directions 8 km south of Exit 368, Junction with Highway 1 and 5, in Kamloops to Exit 368, Junction with Highway 1 and 5, in Kamloops (8 km) because of Collision. Updated on Thu Dec 6 at 10:48 am. (ID# 51833) //// Collision 8 km south of Exit 368, Junction with Highway 1 and 5, in Kamloops to Exit 368, Junction with Highway 1 and 5, in Kamloops (8 km). The road is reduced to single lane alternating traffic. Updated on Thu Dec 6 at 12:23 pm. (ID# 51833) //// Collision 8 km south of Exit 368, Junction with Highway 1 and 5, in Kamloops to Exit 368, Junction with Highway 1 and 5, in Kamloops is now clear. Updated on Thu Dec 6 at 1:11 pm. (ID# 51833)
2007	53351	Collision	12/18/2007 15:51	12/18/2007 17:38	Closed in both directions 20 km south of Kamloops because of Collision. Updated on Tue Dec 18 at 3:51 pm. (ID# 53351) //// Closed in both directions 25 km south of Kamloops because of Collision. Updated on Tue Dec 18 at 3:52 pm. (ID# 53351) //// Closed in both directions 25 km south of Kamloops because of Collision. Updated on Tue Dec 18 at 5:30 pm. (ID# 53351) //// Road reopened 25 km south of Kamloops. Updated on Tue Dec 18 at 5:38 pm. (ID# 53351)
2007	-8466 / -8471 / -8472 /	Vehicle Recovery	12/21/2007 9:39	12/21/2007 14:23	Closed in both directions 25 km south of Kamloops because of Vehicle Recovery, 8:30 am to 11:30 am on Fri Dec 21. Updated on Fri Dec 21 at 9:39 am. (ID# -8466) //// Closed in both directions 25 km south of Kamloops because of Vehicle Recovery, 8:30 am to 12:30 pm on Fri Dec 21. Updated on Fri Dec 21 at 11:15 am. (ID# -8466) //// Vehicle Recovery 25 km south of Kamloops 8:30 am to 1:30 pm daily on Dec 21. The road will be reduced to single lane alternating traffic. Updated on Fri Dec 21 at 12:49 pm. (ID# -8471) //// Vehicle Recovery 25 km south of Kamloops 8:30 am to 1:30 pm daily on Dec 21. The road is reduced to single lane alternating traffic. Updated on Fri Dec 21 at 12:50 pm. (ID# -8471) //// Vehicle Recovery 25 km south of Kamloops 8:30 am to 3:00 pm on Dec 21. The road will be reduced to single lane alternating traffic. Updated on Fri Dec 21 at 2:19 pm. (ID# -8472) //// Vehicle Recovery 25 km south of Kamloops 8:30 am to 3:00 pm daily on Dec 21. The road is reduced to single lane alternating traffic. Updated on Fri Dec 21 at 2:20 pm. (ID# -8472) //// Vehicle Recovery 25 km south of Kamloops 8:30 am to 3:00 pm daily on Dec 21. The road is reduced to single lane alternating traffic. Updated on Fri Dec 21 at 2:23 pm. (ID# -8473)
2006	22983	Collision	6/26/2006 13:19	6/26/2006 14:27	Closed in both directions from Merritt to Kamloops because of a collision 8 km north of Merritt. Updated on Mon Jun 26 at 1:19 pm. (ID# 22983) //// Closed in both directions to commercial traffic from Merritt to Kamloops because of a collision 8 km north of Merritt. Updated on Mon Jun 26 at 1:58 pm. (ID# 22983) //// Road reopened from Merritt to 8 km north of Merritt. Updated on Mon Jun 26 at 2:27 pm. (ID# 22983)
2006	22987	Collision	6/26/2006 21:44	6/27/2006 0:43	Closed in both directions 12 km north of Merritt because of Collision. Updated on Mon Jun 26 at 9:44 pm. (ID# 22987) //// Road reopened 12 km north of Merritt. Updated on Tue Jun 27 at 12:43 am. (ID# 22987)

# **APPENDIX F**

Statement of Limitations

## Statement of Limitations

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