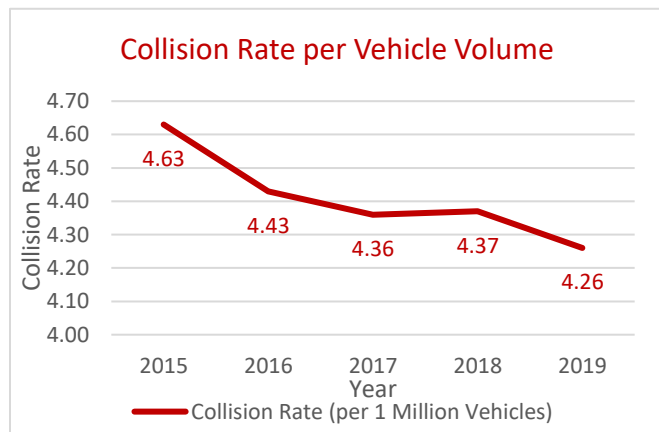




2019 Traffic Collision Summary

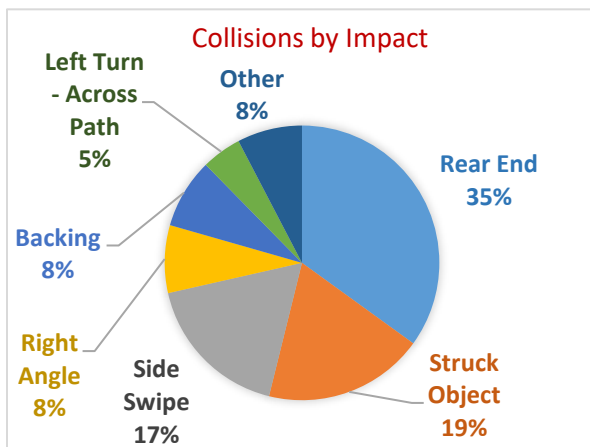
Executive Summary: The 2019 Annual Traffic Collision Summary consists of summary statistics associated with motor vehicle collisions within the city limits of Calgary. These summary statistics are used to perform road safety reviews, determine road safety review locations, and monitor countermeasure and infrastructure performance. In 2019, we saw a decrease in collision rate per vehicle volume and in the total road network reported collisions. Fatal collisions increased from the previous year; however, fewer vulnerable road users were involved. While all bicyclist collision measures increased, motorcyclist collision measures saw decreases for most categories.

The total number of collisions in Calgary decreased by 8% in 2019 compared to 2018. While the number of property damage and injury collisions both show decreases, fatal collisions increased from 16 in 2018 to 19 in 2019. Collision rates by traffic volume and registered vehicles decreased, though *per capita* rates remained the same when compared with 2018. The collision rate by vehicle volume dropped from a five year high of 4.63 in 2015 to 4.26 collisions per million vehicles in 2019.



The number of pedestrian collisions increased by 2% in 2019 from 392 to 399. However, pedestrian

fatal collisions decreased from 8 in 2018 to 3 in 2019. Bicyclist collisions increased by 13% from 184 in 2018 to 207 in 2019. Bicyclist fatal collisions remained the same in 2019 when compared to 2018, with one occurring in both years. Motorcyclist collisions decreased by 25% in 2019 and the motorcyclist collision rate per capita decreased as well by 22%.



Rear End, Struck Object and Side Swipe collisions accounted for nearly three quarters of all reported collisions in Calgary in 2019.

The proportion of daily transit trips increased in 2019, while active and auto trips decreased, however, this data is still preliminary and may change.

Deerfoot TR E at Memorial DR E has the highest number of reported collisions and the highest collision rate in Calgary with 319 collisions and a collision rate (collision/traffic volume) of 3.43 collisions per million entering vehicles. Locations with high collision frequency are primarily high traffic volume interchanges along main freeway routes.

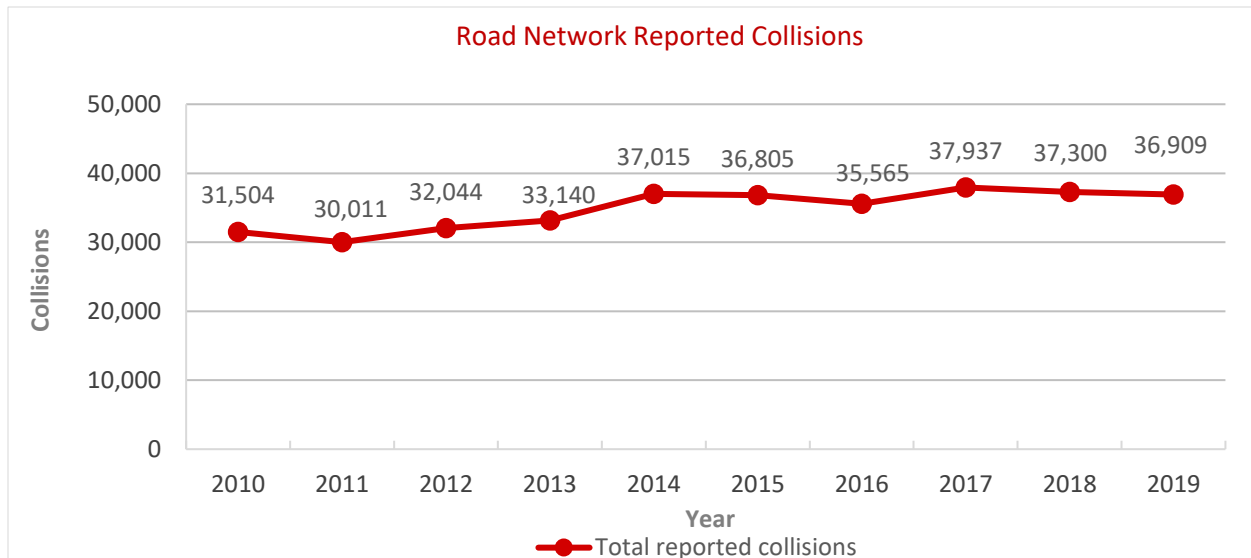
Mode Split of Trips Made by City Residents

	2016	2017	2018	2019*
Auto	71.6%	70.9%	73.8%	73.3%
Transit	7.6%	7.8%	7.2%	9.0%
Active	20.8%	21.3%	19.0%	17.7%

*Proportions based on preliminary data and may change

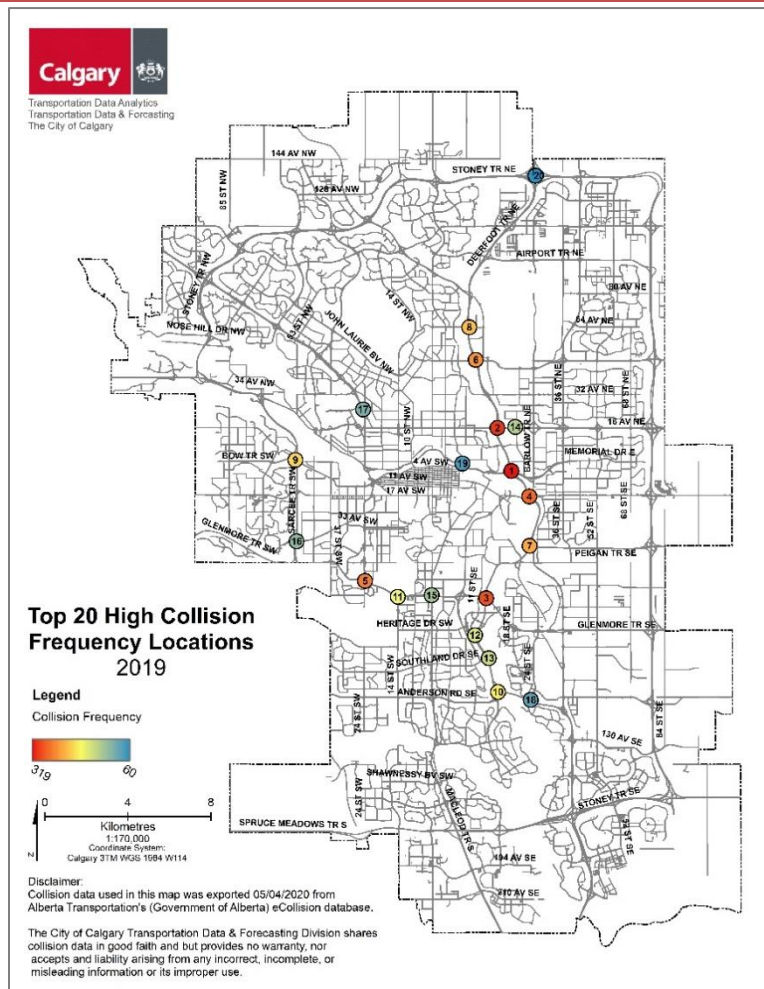
Quick Statistics

Statistic	2018	2019	% Change
Total City-wide Collisions	48,592	44,666	-8
Total Road Network Collisions	37,300	36,909	-1
Fatal Collisions	16	19	19
Injury Collisions	2,496	2,353	-6
Property Damage Only Collisions	34,788	34,537	-1
Motor Vehicle Collisions <i>per capita</i> (1,000 pop.)	29	29	0
City Population	1,267,344	1,285,711	1
Motor Vehicle Collisions per 1,000 Registered Vehicles	37	36	-3
Registered Vehicles in Calgary	1,000,567	1,021,618	2
Motor Vehicle Collisions per Vehicle Volume (1m vehicles)	4.37	4.26	-3
Intersection Collisions	22,218	21,977	-1
Non-Intersection Collisions	15,082	14,932	-1
Pedestrian Collisions	392	399	2
Pedestrian Fatal Collisions	8	3	-63
Pedestrian Injury Collisions	308	322	5
Pedestrian Collision Rate <i>per capita</i> (100,000 pop.)	31	31	0
Bicyclist Collisions	184	207	13
Bicyclist Fatal Collision	1	1	0
Bicyclist Injury Collisions	106	133	25
Bicyclist Collision Rate <i>per capita</i> (100,000 pop.)	15	16	7
Motorcyclist Collisions	114	86	-25
Motorcyclist Fatal Collisions	2	2	0
Motorcyclist Injury Collisions	61	47	-23
Motorcyclist Collision Rate <i>per capita</i> (100,000 pop.)	9	7	-22



Top 20 Locations by Frequency

Rank	Intersection	Collisions	Daily Volume	Rate (MEV)
1	DEERFOOT TR NE & MEMORIAL DR SE	319	255,000	3.43
2	16 AV NE & DEERFOOT TR NE	278	242,900	3.14
3	GLENMORE TR SE & DEERFOOT TR SE	179	210,600	2.33
4	17 AV SE & DEERFOOT TR SE	148	210,900	1.92
5	GLENMORE TR SW & CROWCHILD TR SW	146	167,600	2.39
6	DEERFOOT TR NE & MCKNIGHT BV NE	123	220,500	1.53
7	DEERFOOT TR SE & PEIGAN TR SE	118	161,800	2.00
8	64 AV NE & DEERFOOT TR NE	108	202,000	1.46
9	SARCEE TR SW & BOW TR SW	103	93,800	3.01
10	DEERFOOT TR SE & BOW BOTTOM TR SE	96	188,000	1.40
11	GLENMORE TR SW & 14 ST SW	90	171,300	1.44
12	DEERFOOT TR SE & 11 ST SE	81	140,200	1.58
13	DEERFOOT TR SE & SOUTHLAND DR SE	80	151,900	1.44
14	16 AV NE & 19 ST NE	76	83,800	2.48
15	GLENMORE TR SW & MACLEOD TR SW	73	89,300	2.24
16	SARCEE TR SW & RICHMOND RD SW (E/W)	72	104,200	1.89
17	24 AV NW & CROWCHILD TR NW	66	88,700	2.04
18	DEERFOOT TR SE & DOUGLASDALE BV SE	63	149,900	1.15
19	EDMONTON TR NE & MEMORIAL DR NE	62	NA	NA
20	DEERFOOT TR NE & STONEY TR NE	60	154,600	1.06

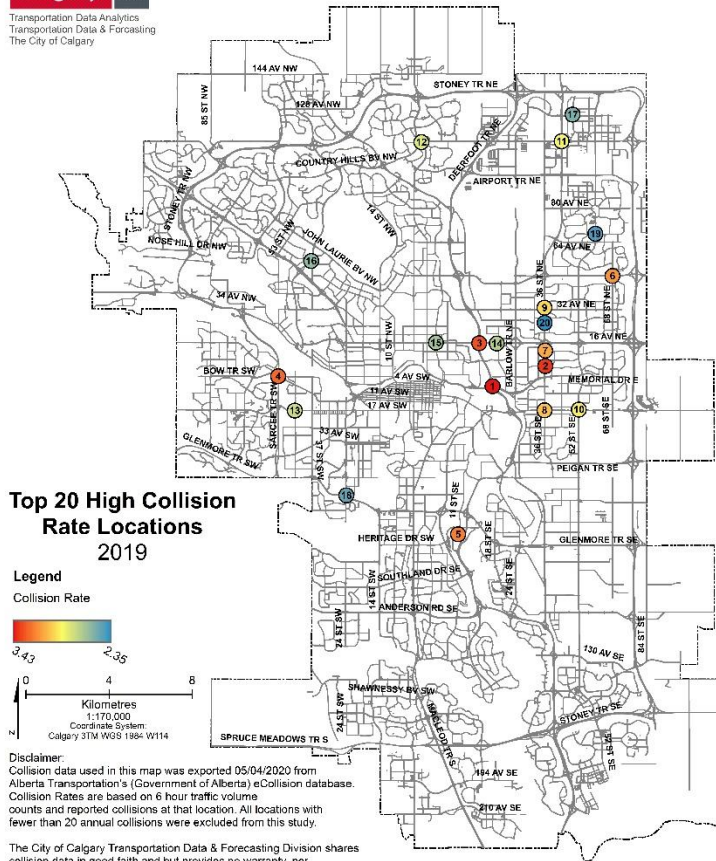


Top 20 Locations by Rate

Rank	Intersection	Rate (MEV)	Daily Volume	Collisions
1	DEERFOOT TR NE & MEMORIAL DR SE	3.43	255,000	319
2	8 AV NE & 36 ST NE	3.29	32,400	39
3	16 AV NE & DEERFOOT TR NE	3.14	242,900	278
4	SARCEE TR SW & BOW TR SW	3.01	93,800	103
5	11 ST SE & HERITAGE MEADOWS WY SE	2.92	30,900	33
6	68 ST NE & MCKNIGHT BV NE	2.81	48,800	50
7	36 ST NE & 12 AV NE	2.78	42,300	43
8	17 AV SE & 36 ST SE	2.74	41,000	41
9	36 ST NE & 32 AV NE	2.71	41,400	41
10	52 ST SE & 17 AV SE	2.66	40,100	39
11	METIS TR NE & COUNTRY HILLS BV NE	2.62	42,900	41
12	COUNTRY HILLS BV NE & HARVEST HILLS BV N	2.61	38,800	37
13	17 AV SW & 45 ST SW	2.57	32,000	30
14	16 AV NE & 19 ST NE	2.48	83,800	76
15	16 AV NE & EDMONTON TR NE	2.46	64,600	58
16	SHAGANAPPI TR NW & NORTHLAND DR NW	2.44	49,400	44
17	128 AV NE & SKYVIEW RANCH RD NE	2.42	20,400	18
18	GLENMORE TR SW & CROWCHILD TR SW	2.39	167,600	146
19	FALCONRIDGE BV NE & MARTINDALE BV NE	2.38	23,000	20
20	26 AV NE & 36 ST NE	2.35	37,300	32



Transportation Data Analytics
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Disclaimer

Data used in the 2019 Annual Traffic Collision Summary was exported on May 4th, 2020 from The City of Calgary's eCollisions Traffic Collision database. This database is supplied with collision records from the Calgary Police Service (CPS) via Alberta Transportation's eCollisions Traffic Collision Database. Data represented in this summary are accurate up to May 4th, 2020. Collision reports are not included in eCollisions until active CPS investigations and records processing are complete. Collision data for non-engineering purposes may be acquired by contacting the Calgary Police Service.

Transportation Planning, and Transportation Data and Forecasting releases this annual summary in good faith, however, the City of Calgary provides no warranty, nor accepts any liability arising from any incorrect, incomplete, or misleading information or the improper use of this report.

References

Alberta Transportation (2020). *Alberta Vehicle Statistics: Number of Motorized Vehicles Registered in Alberta as of March 31, 2015-2019*. Retrieved from: <https://open.alberta.ca/publications/number-of-motorized-vehicles-registered-in-alberta-as-of-march-31-years>

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