

2022

**Automated Traffic
Enforcement Report**

YEAR OVER YEAR COMPARISON

Year	Total Vehicles Monitored	Total Violations	Alberta Violations Issued	Out of Province Issued
2018	239281	14202	3988	609
2019	194462	7507	4994	780
2020	119785	4574	3038	350
2021	139642	7814	5937	535
2022	161438	7326	5879	239

Summary

2022 saw continued growth in traffic flow in the Town of Coaldale. An increase of 15.6% monitored traffic volume. At the same time our ATE program saw a decrease of -6.24% in total violations and a decrease of -5.4% violation tickets issued. *(Traffic Safety outcome as per section D of the Automated Enforcement Guidelines 2021)*

During 2022 a complete re-assessment of all photo radar sites was conducted for compliance with the 2021 ATE Guidelines. As a result of the audit several ATE sites were removed from our authorized site lists.

Our 2020 Traffic Safety Plan was reviewed, and an updated plan prepared and implemented in partnership with the RCMP.

During 2022 a “new site” assessment process was implemented partnering the Town Planners, RCMP and CDME in a review process under the newly formed Traffic Calming Committee. The committee reviews new roadways and existing roadways of concern in 4 ways:

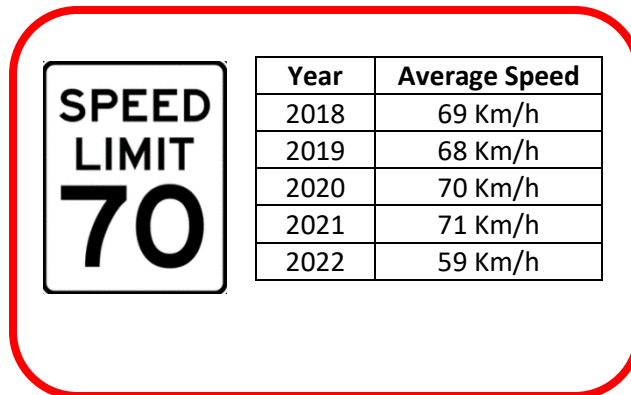
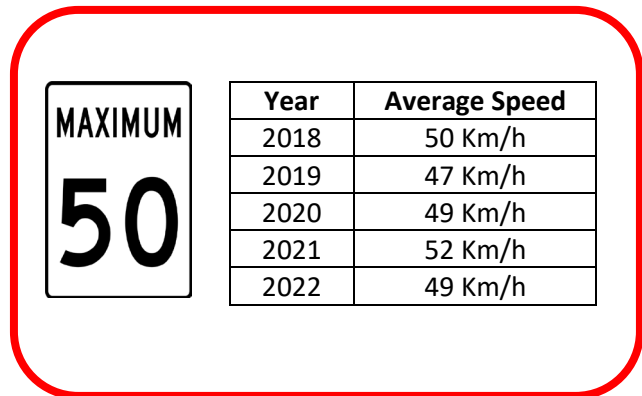
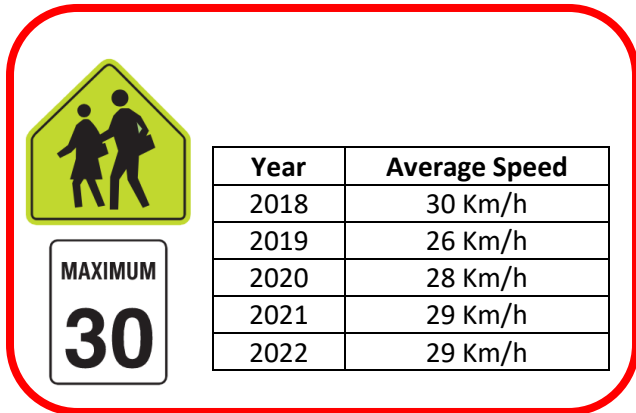
Research: Using traffic analyzer and traffic studies to determine if there is a problem or if it is merely the perception of a problem.

Education: Community outreach and education to improve compliance and safety. This is done through various methods including social media, traditional media, community presentations and engagements and officer contact.

Engineering: All new subdivision planning undergoes a traffic calming review to better design roadways for safety and the enjoyment of the community. “Problem” roadways are reviewed for engineering changes to improve safety and gain compliance, e.g., Stop ahead warning lights on #3 Highway at Land o’ Lakes Bv. Engineering changes resulted in the removal of 2 photo radar locations during 2022.

Enforcement: Enforcement is the last component in the Traffic Calming Plan. Targeted Enforcement blitzes are planned in conjunction with Traffic Calming initiatives, advertised and high profile to obtain the best “bang for the buck”.

Average Speed of Monitored Vehicles



Note: A significant drop in average speeds was noted in the 70 Km/h speed zones. This was in large part due to the installation of flashing advance red warning lights, installed at our location # 280, 2200-3000 Blocks, Highway #3 and intersection traffic signals at Highway #3 and 30 Street. Also, additional “Photo Radar” monitored signs were added for westbound traffic. *(Traffic Safety outcome as per section D of the Automated Enforcement Guidelines 2021)*

Average Speed of Offending Vehicles



Year	Average Speed
2018	42 Km/h
2019	41 Km/h
2020	42 Km/h
2021	46 Km/h
2021	45 Km/h



Year	Average Speed
2018	69 Km/h
2019	69 Km/h
2020	68 Km/h
2021	67 Km/h
2022	68 Km/h



Year	Average Speed
2018	90 Km/h
2019	89 Km/h
2020	88 Km/h
2021	89 Km/h
2022	89 Km/h

Note: The average speed of offenders remains relatively unchanged but the percentage of violations to traffic volume is down -6.24%. *(Traffic Safety outcome as per section D of the Automated Enforcement Guidelines 2021)*

Statistics by Location Monitored in 2022

Site number:	88
Site location:	Highway 845 2000 – 2100 Blks
Direction of travel:	Northbound/Southbound
Site criteria:	Designated Zone- Playground (4)
Traffic enforcement technology utilized:	Mobile. Robot MultaRadar
Posted speed limit:	30 Km/h
Number of monitored vehicles:	8784
Number of speed offences:	1498
Tickets issued:	1169
Average speed of all monitored vehicles:	30.9 Km/h

Site number:	92
Site location:	11 th Street 2100-2300 Blks
Direction of travel:	Northbound/Southbound
Site criteria:	Designated Zone (4)
Traffic enforcement technology utilized:	Mobile. Robot MultaRadar
Posted speed limit:	30 Km/h
Number of monitored vehicles:	250
Number of speed offences:	47
Tickets issued:	10
Average speed of all monitored vehicles:	25.75 Km/h

Site number:	93
Site location:	13 th Street 2000-2200 Blks
Direction of travel:	Northbound/Southbound
Site criteria:	Designated Zone (4)
Traffic enforcement technology utilized:	Mobile. Robot MultaRadar
Posted speed limit:	30 Km/h
Number of monitored vehicles:	557
Number of speed offences:	49
Tickets issued:	47
Average speed of all monitored vehicles:	27Km/h

Site number:	101
Site location:	22 nd Ave 1200-1500 Blks
Direction of travel:	Westbound/Eastbound
Site criteria:	Designated Zone (4)
Traffic enforcement technology utilized:	Mobile. Robot MultaRadar
Posted speed limit:	30 Km/h
Number of monitored vehicles:	148
Number of speed offences:	12
Tickets issued:	12
Average speed of all monitored vehicles:	30.5 Km/h

Site number:	104
Site location:	23 Ave 2000-2100 Block
Direction of travel:	Eastbound/Westbound
Site criteria:	Designated Zone (4)
Traffic enforcement technology utilized:	Mobile. Robot MultaRadar
Posted speed limit:	30
Number of monitored vehicles:	1076
Number of speed offences:	106
Tickets issued:	104
Average speed of all monitored vehicles:	29.78

Site number:	105
Site location:	24 St 2100-2200 Blk
Direction of travel:	Northbound/Southbound
Site criteria:	Designated Zone (4)
Traffic enforcement technology utilized:	Mobile. Robot MultaRadar
Posted speed limit:	30
Number of monitored vehicles:	7
Number of speed offences:	1
Tickets issued:	1
Average speed of all monitored vehicles:	32.5

Site number:	107
Site location:	Highway 3 1700-1900 Blks
Direction of travel:	Eastbound/Westbound
Site criteria:	Higher frequency of speeding (2)
Traffic enforcement technology utilized:	Mobile. Robot MultaRadar
Posted speed limit:	50 Km/h
Number of monitored vehicles:	55838
Number of speed offences:	2925
Tickets issued:	2530
Average speed of all monitored vehicles:	49.5 Km/h

Site number:	125
Site location:	20 St 2100-2300
Direction of travel:	Northbound/Southbound
Site criteria:	Higher frequency of speeding (2)
Traffic enforcement technology utilized:	Mobile. Robot MultaRadar
Posted speed limit:	50 Km/h
Number of monitored vehicles:	538
Number of speed offences:	1
Tickets issued:	1
Average speed of all monitored vehicles:	50.4 Km/h

Site number:	130
Site location:	20 th Street 1400-1600 Blks
Direction of travel:	Northbound/Southbound
Site criteria:	Higher frequency of speeding (2)
Traffic enforcement technology utilized:	Mobile. Robot MultaRadar
Posted speed limit:	50 Km/h
Number of monitored vehicles:	26000
Number of speed offences:	18
Tickets issued:	18
Average speed of all monitored vehicles:	49 Km/h

Site number:	27
Site location:	Highway 3 800-1200 Blks
Direction of travel:	Eastbound/Westbound
Site criteria:	Higher frequency of speeding (2)
Traffic enforcement technology utilized:	Mobile. Robot MultaRadar
Posted speed limit:	70 Km/h
Number of monitored vehicles:	28045
Number of speed offences:	1758
Tickets issued:	1299
Average speed of all monitored vehicles:	60Km/h

Site number:	280
Site location:	Highway 3 2200-3000 Blks
Direction of travel:	Eastbound/Westbound
Site criteria:	Higher frequency of speeding (2)
Traffic enforcement technology utilized:	Mobile. Robot MultaRadar
Posted speed limit:	70 Km/h
Number of monitored vehicles:	40195
Number of speed offences:	853
Tickets issued:	642
Average speed of all monitored vehicles:	58 Km/h

Site number:	644
Site location:	Highway 845 2400-3000 Blks
Direction of travel:	Northbound/Southbound
Site criteria:	Higher frequency of speeding (2)
Traffic enforcement technology utilized:	Mobile. Robot MultaRadar
Posted speed limit:	50 Km/h
Number of monitored vehicles:	331
Number of speed offences:	18
Tickets issued:	18
Average speed of all monitored vehicles:	33.75 Km/h

Site number:	91
On assessment it was determined this would no longer be monitored by ATE and has been removed from the list of sites.	

Site number:	102
On assessment it was determined this would no longer be monitored by ATE and has been removed from the list of sites.	

Site number:	279
On assessment it was determined this would no longer be monitored by ATE and has been removed from the list of sites.	

Fine Revenues – Disbursements

2022 Total violation ticket issued	6118
2022 Average violation ticket fine amount	\$ 156.79
2022 Gross Revenue	\$ 959,241.22
2022 Victim Fine Surcharge 20%	\$ 159,873.54
2022 Province of Alberta 40%	\$ 228,390.77
2022 Anticipated un-collectables 20%	\$ 95,162.82
2022 Anticipated revenue to Town	<u>\$ 475,814.09</u>

Note: Revenues are based solely on tickets issued during the calendar year 2022. Revenues may actually return to the Town in subsequent years when fines have been paid.

2022 Actual fine revenues received by the Town \$ 529676.00

Note: Actual fine revenues received includes Automated Enforcement fine revenues and Traditional Enforcement Revenues. Breakdown of dollars returned from the Province to the Town is not broken down to highlight the different fine revenue streams.

2022 Expenditures

Cost to operate Bylaw Enforcement	\$ 332,188.00
Photo Radar equipment costs and backend software vehicle Maintenance	\$ 64,337.00

Traffic Safety Enhancements

Pedestrian cross walk and walkway to mountain bike park	\$ 159,635.00
Upgraded playground zone signage throughout town	\$ 6,777.00
Line painting and crosswalk grinding	\$ 22,110.00
Dangerous Good Inspector Course (2)	\$ 1,200.00
Accessibility Safety Audit	\$ 3,543.00

Community Grants

Community investment grants in parks, schools etc from ATE revenues	\$ 35,000.00
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Balance \$ (95,114.00)

Performance Indicators - Automated Enforcement Guidelines 2021

Collisions

Five Year Summary	2018	2019	2020	2021	2022
Fatal Collisions	1	1	0	0	0
Injury Collisions	5	1	1	12	4
Property Damage	64	74	59	56	29
Total Collisions	70	76	60	68	33

Year Over Year 2021/2022 – Fatality collisions unchanged at zero. 0% change. Injury collisions decreased 66%. Property damage collisions decreased by 48%.

Over 3 years, 2019-2022 – Fatality collisions down 100 %, Injury +300%. Property damage collisions down 45%.

Deployment Hours – 524.35. Vehicles Monitored – 161438. Number of Devices – 1. Number of locations – 17. Total number of contraventions – 7326. Total number of notices – 6118.