



# **ATE ANNUAL REPORT**

**2023**

**Town of  
Wainwright**

# INTRODUCTION

## **Purpose of Report**

In accordance with the [Alberta Automated Enforcement Guidelines](#), this report is intended to advise the public on Automated Traffic Enforcement (ATE) results, where ATE was deployed, as well as collision rates for the community.

## **Automated Traffic Enforcement Background**

ATE technology has been used in the Town of Wainwright since late 2014 with the goal of introducing another tool to reduce speeding within the community. Wainwright, Alberta is located on the north side of the Canadian National Railway, 61 kilometers south of Vermilion, in the Battle River valley, along Highway 41, called the Buffalo Trail. Provincial Highway 14 also passes through the Town. Wainwright is 206 kilometers southeast of the City of Edmonton on Highway 14 and 69 kilometers west of the Alberta–Saskatchewan border.

## **Automated Traffic Enforcement Operations Overview**

The Town of Wainwright, in cooperation with the Wainwright RCMP, utilizes Automated Traffic Enforcement (ATE) technology as one of the enforcement tools within the Traffic Safety Plan.

The Town of Wainwright has a contract with [Global Traffic Group Ltd](#) to provide automated enforcement services to the community. The ATE program is overseen by the Health and Safety Coordinator for the Town of Wainwright. The Wainwright RCMP provides direction to the contractor by ensuring that enforcement is carried out in accordance with local traffic safety plans, recommending, reviewing and approving all ATE sites, as well as deciding what periods and duration of enforcement shall be completed. Both the Town and the RCMP collaborate with the contractor to ensure they adhere to the ATE guidelines and ensure all equipment and technology used has been reported, reviewed, and approved by the Ministry of Justice and the Solicitor General. The maximum time between a contravention being detected using ATE and the traffic notice being placed in the mail for service to the Registered Owner will not exceed 21 working days. Multiple traffic notices will not be issued to the same vehicle within a five-minute period. Only the more serious traffic notice will be issued to the registered owner while any remaining notices will not be issued.

Public education and awareness are addressed by permanent signage posted at all entrances to the Town and major thoroughfares as well as at school zones, playground zones and other sites that are extensively used. The Town of Wainwright has an informative website associated with ATE operations, including, but not limited to, the approved enforcement locations, daily zone uses plans, zone justification sheets and FAQs.

In 2023 there were 58 RCMP approved sites for enforcement within Town boundaries. These sites are enforced utilizing mobile speed detection devices operated by Level 2 Community Peace Officers.

## **Traffic Safety Program Overview**

The purpose of the Wainwright Traffic Safety Plan is to provide an opportunity to review, on a regular basis, information pertaining to traffic safety within our community. This information includes new area development, review of traffic ticket statistics, review of motor vehicle collision statistical data, review of Provincial and Federal programs, as well as a review of enforcement and educational programs utilized by the Town of Wainwright and its policing Partner, the RCMP. The plan also serves to identify specific areas of concern within the community and provides the framework to address these issues.

## **Locations**

Site locations are selected in line with the criteria set out by the Province of Alberta's Automated Traffic Enforcement Technology Guidelines and approved by the Wainwright RCMP. There is a mapping tool on the Town of Wainwright website that shows all ATE locations. Any new locations must meet qualifying criteria for use and have demonstrated areas of:

1. Higher frequency of collisions
2. Higher frequency of speeding
3. High frequency of intersection infractions
4. Designated zones:
  - a. School zone
  - b. Playground zone
  - c. Construction zone

Use of ATE will be in designated zones when the following applies:

- School zones - when school is in session and the speed restriction is in effect as per the Town of Wainwright Bylaws
- Playground zones - in effect as per Alberta Traffic; playground restrictions are in effect every day from 8:30 am to one hour after sunset
- Construction zones - when one or more workers are present

Approved locations shall be reassessed and re-evaluated every two years. If a location is unable to demonstrate it has resulted in improved safety outcomes, it will be removed from use. In accordance with evaluation standards set out by the province, control locations will be established for each ATE location.

The data required to be collected includes:

- ATE location ID for which it is a control location,
- location description,
- posted maximum speed limit,
- average daily traffic volume,
- number of infractions and notices by type and date, and
- change in the rates of notices by type.

## Prohibited Locations

ATE is prohibited from being used on residential streets with a posted speed limit less than 50 km/h. It is further prohibited from being used in transition zones. This refers to any highway on or off ramps, highway exits, or any area that may require a rapid change in speed such as a high-pressure merge, including the area immediately adjacent to a regulatory maximum speed limit sign, when the sign indicates a speed change from a higher speed to a lower speed or vice versa. These rules do not apply to school, playground, construction zones or intersections.

The Wainwright Traffic Safety Plan has been developed with the following three things in mind:

1. **Vision:** Wainwright maintains some of the safest roads in Alberta.
2. **Mission:** All lawful tools and the most effective strategies will be implemented to improve road safety for all residents and visitors within our community.
3. **Goal:** Achieve both a specific reduction in the rate of motor vehicle collisions as well as an overall enhancement of road safety in general within the Town of Wainwright.

## Enforcement

As our Municipal traffic priorities aligned quite well with the priorities of the Province, the Wainwright Traffic Safety Plan will adopt the [Alberta Traffic Safety Calendar](#) in order to guide the Wainwright RCMP's enforcement efforts, in coordination with Vermilion Traffic Services, throughout the calendar year.

Automated Traffic Enforcement is an additional tool utilized in the community to help achieve the goals set out in the Traffic Safety Plan. The Wainwright RCMP, in conjunction with the Town of Wainwright, determines the strategies for the ATE program. This includes, but is not limited to, the monitoring of locations and speed tolerances.

## STATISTICAL INFORMATION

### Automated Enforcement Program Data

This section outlines several key enforcement statistics directly associated with automated enforcement. This is not a complete summary of all enforcement or traffic safety work completed by the RCMP or the Town of Wainwright.

Global Traffic Group Ltd was deployed for 390 hours in 2023, spending time in 24 of our 58 zones. Global Traffic monitored 11,280 vehicles at an average speed of 35.3 km/hr. From those vehicles monitored, there were 1,233 infractions for **speeding** and 38 for **stop sign running**. As well, 794 notices were issued. 766 of those notices were for **speeding** and 28 were for **stop sign running**.

2015 to Present Annual Traffic Report										
Year	Deployment Hours [e.g.'34"]	Average Daily Traffic Volume [e.g. 240"]	Number of Vehicles Monitored [e.g."25,000"]	Average Traffic Speed - All Vehicles (km/h) [e.g."75"]	Total Number of Speeding Contraventions [e.g."12,00"]	Total Number of Stop Running Contraventions	Total Number of Injury Collisions [e.g."2"]	Total Number of Property Damage Collisions [e.g."5"]	Total Number of Fatalities [e.g."2"]	Total Number of Injuries [e.g."5"]
	Hours	Avg Traffic	Traffic Count	Avg Speed	Speeding Count	Stop Running	Injuries	Damage	Fatalities	Injuries
2023	390.4	1010.4	11280	35.3	1233	38	0	0	0	0
2022	397.6	1014.8	10974	39.3	1450	45	0	5	0	0
2021	0	0	0	0	2053	87	0	0	0	0
2020	0	0	0	0	1245	85	0	0	0	0
2019	0	0	0	0	3347	496	0	0	0	0
2018	0	0	0	0	4976	494	0	0	0	0
2017	0	0	0	0	5307	605	0	0	0	0
2016	0	0	0	0	5147	866	0	0	0	0
2015	0	0	0	0	7599	425	0	0	0	0

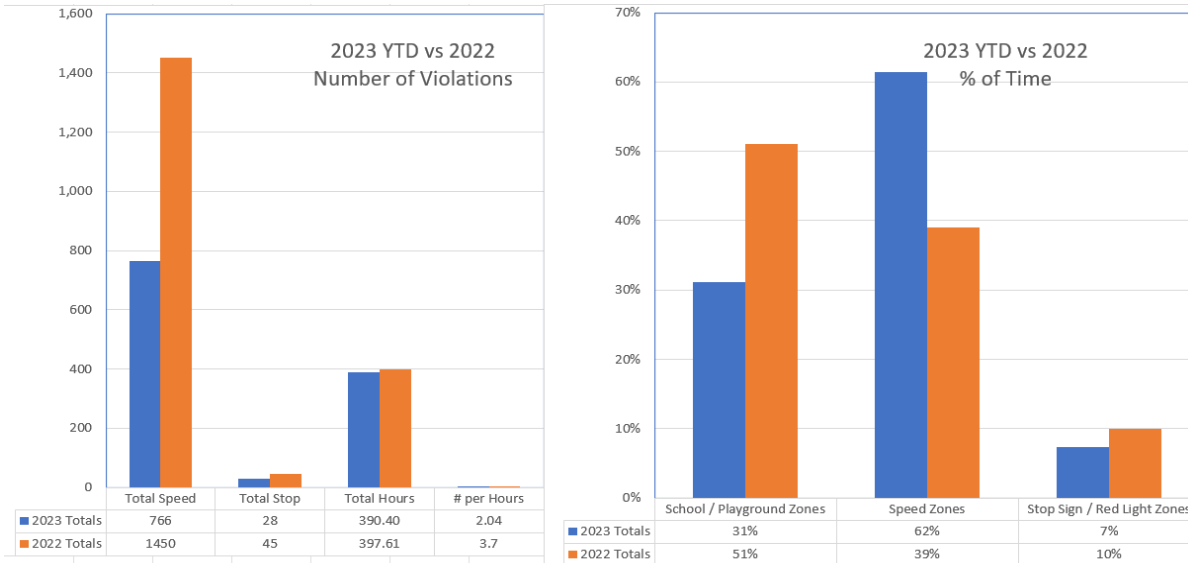
### Speed Data

The chart below shows the hours spent and the violations in those zones for the year 2023. The data for 2022 only shows the violations.

Total Violations				Total Violations		
School / Playground Zones		2023 Totals		School / Playground Zones		2022 Totals
		Hours	Violations			
1701	8 Street NB at or near Ecole Saint-Christophe	1.17	1	1705	11 Street NB at or near Wainwright Elementary Sch	3
1702	8 Street SB at or near Ecole Saint-Christophe	5.33	1	1706	11 Street SB at or near Wainwright Elementary Sch	1
1703	6 Street NB at or near Wainwright High School	2.14	0	1707	10 Street SB at or near Wainwright Elementary Sch	396
1704	6 Street SB at or near Wainwright High School	2.08	0	1708	10 Street NB at or near Wainwright Elementary Sch	12
1705	11 Street NB at or near Wainwright Elementary Sch	5.63	4	1709	14 Street SB at or near Blessed Sacrament School	1
1706	11 Street SB at or near Wainwright Elementary Sch	2.08	0	1712	10A Street SB at or near 13 Avenue	22
1707	10 Street SB at or near Wainwright Elementary Sch	58.16	106	1715	8 Avenue EB at or near Community Splash Park	4
1708	10 Street NB at or near Wainwright Elementary Sch	5.09	2	1716	8 Avenue WB at or near Community Splash Park	136
1709	14 Street SB at or near Blessed Sacrament School	1.03	0	3701	5 Avenue EB at or near 4 Avenue	109
1710	14 Street NB at or near Blessed Sacrament School	3.22	0	3702	5 Avenue WB at or near 4 Avenue	41
1711	10A Street NB at or near 13 Avenue	1.05	0	Speed Zones		
1712	10A Street SB at or near 13 Avenue	9.61	2	1743	1 Avenue EB at or near 18 Street	1
1715	8 Avenue EB at or near Community Splash Park	4.66	0	1744	1 Avenue WB at or near 18 Street	722
1716	8 Avenue WB at or near Community Splash Park	12.77	9	1779	27 Street NB at or near 5 Avenue	6
3701	5 Avenue EB at or near 4 Avenue	1.02	0	1781	1 Street SB at or near 5 Avenue	5
3702	5 Avenue WB at or near 4 Avenue	6.12	6	Stop Sign / Red Light Zones		
Speed Zones		2023 Totals		1757	8 Avenue WB at 14 Street	3
		Hours	Violations	1792	5 Avenue WB at 1 Street	42
1743	1 Avenue EB at or near 18 Street	3.05	0	Total Hours Operated		
1744	1 Avenue WB at or near 18 Street	166.08	507	School / Playground Zones		51%
1749	Hwy 14 WB at or near Wainwright Golf Course	26.57	65	Speed Zones		39%
1750	Hwy 14 EB at or near Wainwright Golf Course	39.35	60	Stop Sign / Red Light Zones		10%
1779	27 Street NB at or near 5 Avenue	4.09	3	Total Speed		1450
Stop Sign / Red Light Zones		2023 Totals		Total Stop		45
		Hours	Violations	Total Hours		397.61
1757	8 Avenue WB at 14 Street	3.02	0	# per Hours		3.7
1773	10 Street NB at Highway 14	2.00	0			
1792	5 Avenue WB at 1 Street	14.07	8			
1793	14 Street WB at 10 Street	11.00	20			
Total Hours Operated		2023 Totals				
		Hours	Violations			
School / Playground Zones		121.16	31%			
Speed Zones		239.15	62%			
Stop Sign / Red Light Zones		30.09	7%			
Total Speed		0.00	766			
Total Stop		0.00	28			
Total Hours		390.40	0			
# per Hours		0.00	2.04			

## 2023 Graphs

These two graphs show Global Traffic’s data for the two years of 2022 and 2023. The information shows that even though similar hours were spent on monitoring, the infractions are almost half. This is evidence that ATE is having a positive impact and the citizens of Wainwright are taking traffic safety seriously.



## Collision Data

### 2022 Data

In 2022 there were five accidents but no injuries in our tracked zones.

Month	Deployment Hours [e.g.'34"]	Average Daily Traffic Volume [e.g. 240"]	Average Traffic Speed - All Vehicles (km/h) [e.g."75"]	Total Number of Speeding Contraventions [e.g."12,00"]	Total Number of Red Light Notices Issued [e.g."900"]	Total Number of Stop Running Contraventions [e.g."1000"]	Total Number of Stop Running Notices Issued [e.g."900"]	Total Number of Property Damage Collisions [e.g."5"]
January	28.88	991.18	40.8	51	17	10	2	2
February	41.28	991.18	40.8	184	0	0	2	2
March	34.33	991.18	40.8	149	0	0	1	1
April	33.72	1032.67	38	145	0	0	0	0
May	41.53	1032.67	39.1	173	0	0	0	0
June	30.65	1032.67	38.9	135	0	0	0	0
July	23.83	1010.71	38.9	113	0	0	0	0
August	39.7	1010.71	38.4	142	7	7	0	0
September	36.28	1010.71	38.4	123	14	12	0	0
October	40.33	1052.3	38.9	138	11	7	0	0
November	23.23	1010.71	39.2	40	6	4	0	0
December	23.85	1010.71	38.9	57	7	5	0	0
<b>Total/Avg</b>	<b>397.61</b>	<b>1014.8</b>	<b>39.3</b>	<b>1450</b>	<b>62</b>	<b>45</b>	<b>5</b>	<b>5</b>

## 2023 Data

In 2023 there were zero accidents and no injuries in our tracked zones.

Month	Deployment Hours [e.g.'34"]	Average Daily Traffic Volume [e.g. 240"]	Number of Vehicles Monitored [e.g."25,000"]	Average Traffic Speed - All Vehicles (km/h) [e.g."75"]	Total Number of Speeding Contraventions [e.g."12,00"]	Total Number of Speed Notices Issued [e.g."1000"]	Total Number of Stop Running Contraventions [e.g."1000"]	Total Number of Stop Running Notices Issued [e.g."900"]	Total Number of Collisions [e.g."5"]	Total Number of Property Damage Collisions [e.g."5"]
January	32.7	1014.3	837	36.3	83	31	7	4	0	0
February	57.6	1017.5	1484	35.0	101	62	0	0	0	0
March	94.6	1017.5	2340	34.4	117	66	3	3	0	0
April	128.9	1017.5	3403	36.0	100	66	2	1	0	0
May	158.8	1017.5	3943	35.4	44	34	0	0	0	0
June	187.3	1017.5	4624	34.9	52	41	0	0	0	0
July	236.7	1003.9	6183	34.7	188	132	0	0	0	0
August	254.7	1003.9	7028	34.7	87	55	0	0	0	0
September	287.3	1003.9	8127	34.6	90	49	0	0	0	0
October	321.5	1003.9	9217	35.9	155	100	0	0	0	0
November	354.1	1003.9	10061	35.9	90	64	23	18	0	0
December	390.4	1003.9	11280	35.8	126	66	3	2	0	0
Total/Avg	390.4	1010.4	11280	35.3	1233	766	38	28	0	0

## Historical Data

This chart shows the information collected over the past nine years. In 2015 when the ATE program started, there were over 8,000 infractions. In 2023 the infractions were 1,271, indicating a continuous improvement over the years.

2015 to Present Annual Traffic Report										
Year	Deployment Hours [e.g.'34"]	Average Daily Traffic Volume [e.g. 240"]	Number of Vehicles Monitored [e.g."25,000"]	Average Traffic Speed - All Vehicles (km/h) [e.g."75"]	Total Number of Speeding Contraventions [e.g."12,00"]	Total Number of Stop Running Contraventions	Total Number of Injury Collisions [e.g."2"]	Total Number of Property Damage Collisions [e.g."5"]	Total Number of Fatalities [e.g."2"]	Total Number of Injuries [e.g."5"]
	Hours	Avg Traffic	Traffic Count	Avg Speed	Speeding Count	Stop Running	Injuries	Damage	Fatalities	Injuries
2023	390.4	1010.4	11280	35.3	1233	38	0	0	0	0
2022	397.6	1014.8	10974	39.3	1450	45	0	5	0	0
2021	0	0	0	0	2053	87	0	0	0	0
2020	0	0	0	0	1245	85	0	0	0	0
2019	0	0	0	0	3347	496	0	0	0	0
2018	0	0	0	0	4976	494	0	0	0	0
2017	0	0	0	0	5307	605	0	0	0	0
2016	0	0	0	0	5147	866	0	0	0	0
2015	0	0	0	0	7599	425	0	0	0	0

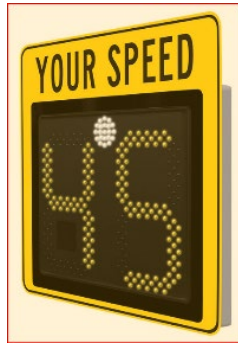
## Public Safety Initiatives

- Funds received from ATE have been used to install lighted pedestrian crossing signals throughout the community.



## Speed Advisory Devices

- Mounted speed advisory devices have been installed in school and playground zones and other high traffic streets with funds received from ATE. Portable speed advisor devices are deployed within the community for traffic safety. Currently the Town utilizes two mobile and two semi-permanent units. The data collected from these signs and trailers support policing, traffic safety and street development.



## Speed Advisory Devices Data

The data below highlights the locations where the data has been collected and for what duration. The units can capture the total traffic count, violations, and maximum speed. For personal safety, attention should be paid to the speeds in neighborhoods.

### Traffic Monitoring Data 2023

Dates	Location	Posted Speed KMPH	Total Vehicle	Total Violations	Percent of Violations	MAX Speed	85% Speed km/h
2023-10-30 to 2023-11-12	Hiway 14 WB MD Office	60	9,625	1,719	21%	84	62
2023-11-01 to 2023-11-30	Hiway #14 WB Norris	60	191,385	56,048	26%	119	79
2023-11-06 to 2023-11-19	8th Ave EB Bevans	50	4,859	481	11%	88	49
2023-11-06 to 2023-11-19	8th Ave EB Bevans	50	7,774	734	10%	88	49
2023-11-06 to 2023-11-19	Hiway #14 WB High School	60	3,352	1,953	63%	116	63
2023-11-06 to 2023-11-19	Hiway #14 WB High School	60	5,523	2,542	51%	116	64
2023-11-13 to 2023-11-19	Lite up Downtown NB	50	448	-	0%	33	22
2023-11-13 to 2023-11-19	Lite up Downtown SB	50	715	-	0%	53	33
2023-11-20 to 2023-11-26	5th Ave EB Peace Memorial Park	50	4,240	272	8%	74	48
2023-11-20 to 2023-11-26	8th Ave. EB Future school	50	4,778	417	10%	82	48
2023-11-27 to 2023-12-03	5th Ave EB Peace Memorial Park	50	4,569	326	8%	74	48
2023-11-27 to 2023-12-03	8th Ave. EB Future school	50	7,520	499	6%	72	45
2023-11-27 to 2023-12-31	27th NB- Best Western	50	31,810	3,273	14%	83	50
2023-11-27 to 2023-12-31	Hiway #14 EB Tread Pro	60	31,807	5,018	20%	96	61
2023-12-01 to 2023-12-30	Hiway #14 WB Norris	60	178,315	52,126	29%	119	80
2023-12-04 to 2023-12-10	27th St. SB Future school	50	8,821	3,101	31%	78	50
2023-12-04 to 2023-12-10	2nd Ave WB Blessed Sacrament	30/50	3,292	592	10%	55	37
2023-12-11 to 2023-12-17	27th St. SB Future school	50	8,918	3,301	38%	88	55
2023-12-11 to 2023-12-17	2nd Ave WB Blessed Sacrament	30/50	3,408	608	10%	54	34



## CONCLUSION

In 2023, the Automated Traffic Enforcement program was deployed in a fashion that helped alleviate the traffic safety concerns within the community. Review of the program operations, reporting and how it contributes to overall traffic safety will continue in 2024.

The ATE Program remains a tool to assist the Town of Wainwright and the RCMP to ensure the continuing improvement of traffic safety throughout the community. We are committed to following the guidelines as set out by the Province of Alberta to produce the desired change in transportation safety outcomes.

### Contacts:

#### Wainwright RCMP

Staff Sgt. Michael Miller  
Phone: 780-842-4463



#### Town of Wainwright

Health and Safety Coordinator, Mike Bohay  
Phone: 780-84-3381

