

# Traffic Data Program (TDP) Overview

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November 7, 2024



# TDP Program Overview

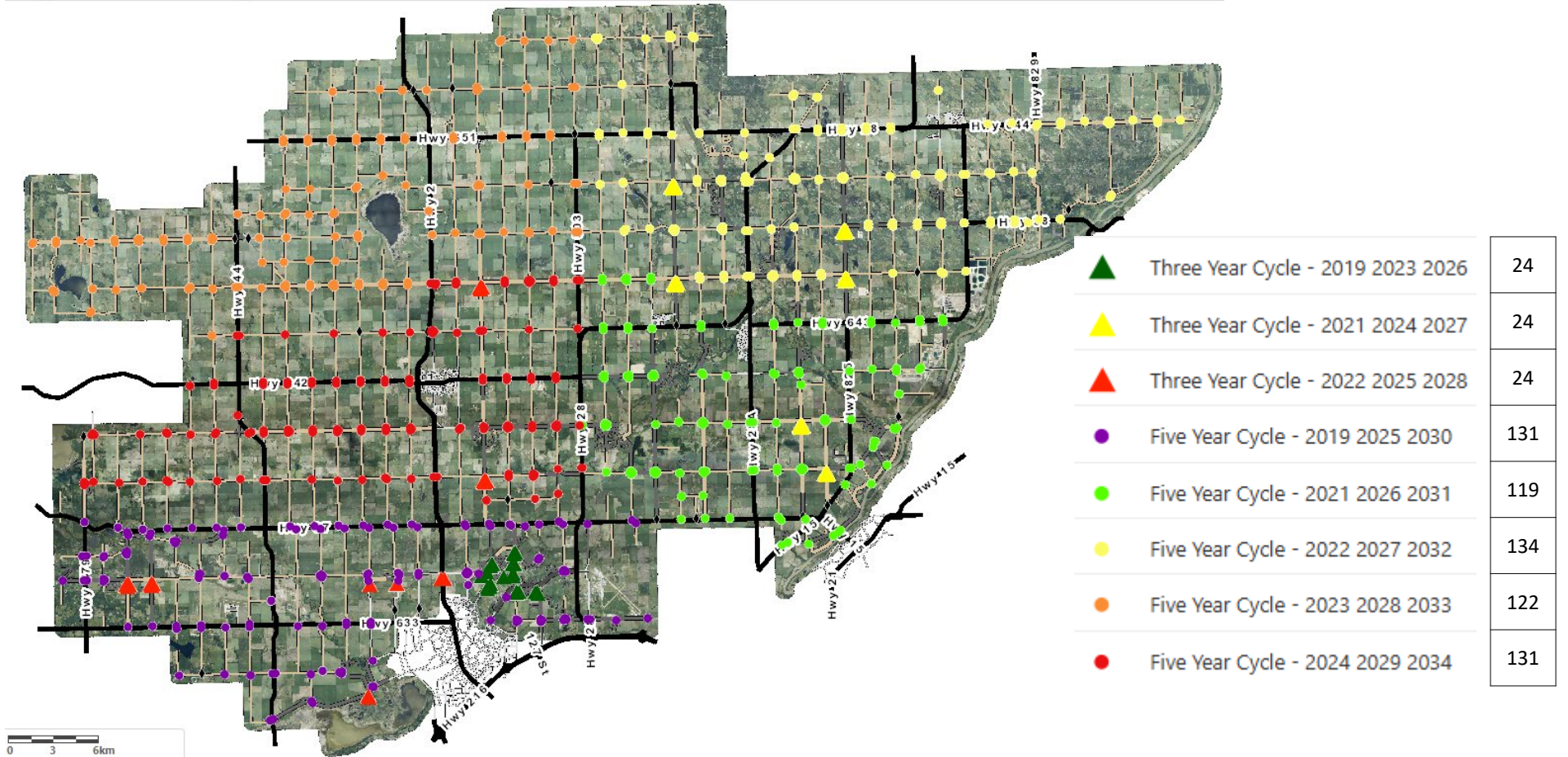
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## **Program Summary:**

- The TDP operates on a 5-year cycle to systematically gather traffic data from various locations across the County.
- The program aims to provide a comprehensive dataset that informs critical aspects of road asset management, that includes:
  - Infrastructure and Development Planning
  - Road and Pavement Design
  - Capital Programming and Prioritization (Rehabilitation and Reconstruction)
  - Maintenance Programing and Prioritization
  - Intersection Analysis
  - Road Asset Services Levels
- Data collected includes:
  - Average Daily Traffic
  - Vehicle classification
  - Spot speed

# TDP Program Overview

- The TDP collects data on a 5- and 3-year program cycle
- Approximately +/-150 traffic studies are completed annually



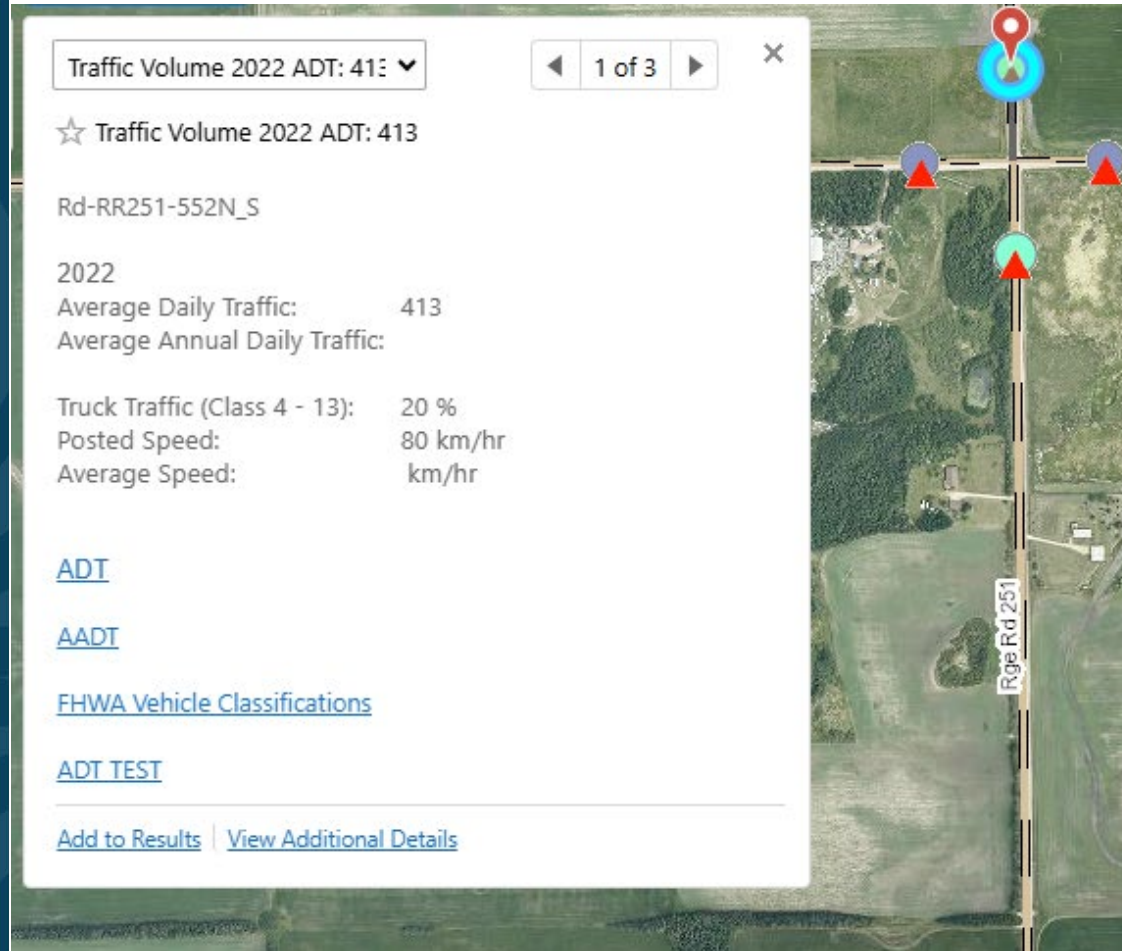


# TDP Resources

- The TDP utilizes seasonal summer students enrolled in an Engineering program to collect and review data and generate reports.
- Students term is typically May to August annually, this allows for 12-14 weeks of data collection and data processing.
- County uses MetroCount counters with pneumatic road tubes and the compatible MetroCount software for report generation.



# TDP Reports



Sturgeon County  
9613-100 Street Morinville, Alberta T8R 1L9  
Tel: 780-939-4321 Fax: 780-939-3003

## Traffic Summary

Station # - Rd-RR251-552N\_S, Chip Seal

Date - 0:00 July 14, 2022 to 0:00 July 19, 2022 (5 days of data)

Volume						
	Total	Weekday	Weekend	ADT	AWDT	AWET
Combined	2065	1301	764	413	434	382
North	1013	643	370	203	214	185
South	1052	658	394	210	219	197
Days	5	3	2	5	3	2

Speed				
	All Days	Weekdays	Weekend	
Mean speed	72.8	73.1	72.3	km/h
Median speed	72.9	72.9	72.7	km/h
85% speed	86.4	86.7	86.0	km/h




















PSL = 60 km/h

Class				
Class (Scheme F3)	All Days	%	Weekdays	Weekend
1 - CYCLE	15	0.726%	6	9
2 - PC	980	47.46%	590	390
3 - 2A-4T	663	32.11%	425	238
4 - BUS	9	0.436%	9	0
5 - 2A-6T	377	18.26%	256	121
6 - 3A-SU	6	0.291%	6	0
7 - 4A-SU	0	0.000%	0	0
8 - <5A DBL	0	0.000%	0	0
9 - 5A DBL	12	0.581%	9	3
10 - >6A DBL	3	0.145%	0	3
11 - <6A MULTI	0	0.000%	0	0
12 - 6A MULTI	0	0.000%	0	0
13 - >6A MULTI	0	0.000%	0	0

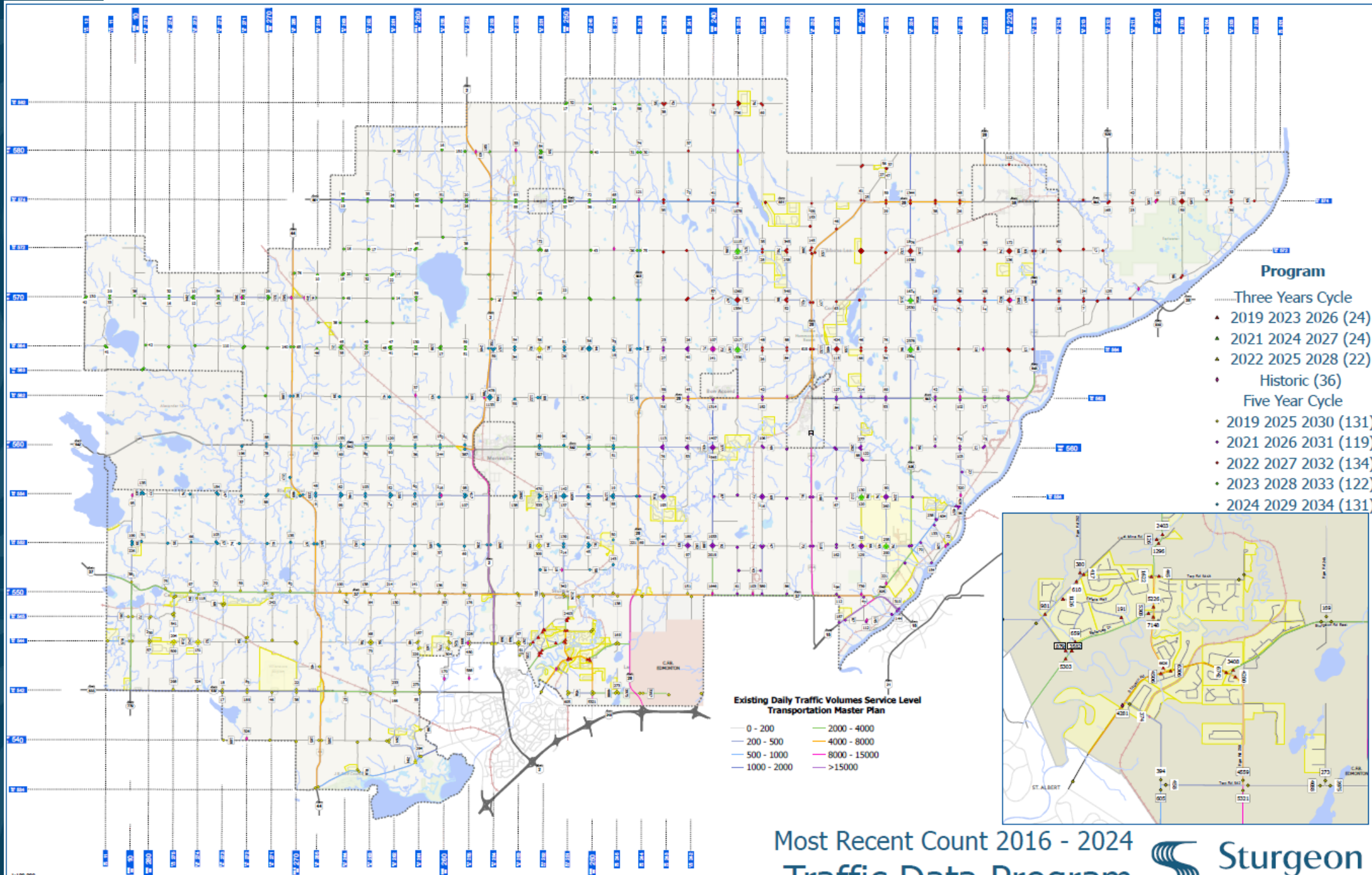
Average Daily Volume							
	Mon	Tue	Wed	Thu	Fri	Sat	Sun
North	184	0	0	256	203	202	168
South	181	0	0	301	176	214	180
Combined	365	0	0	557	379	416	348
AM Pk North	13	-	-	21	13	24	17
PM Pk North	18	-	-	38	21	19	18
AM Pk South	14	-	-	18	15	18	10
PM Pk South	19	-	-	34	18	20	25
Days	1	-	-	1	1	1	1

Report created 14:17 July 19, 2022 using MTE version 5.0.8.0

# TDP Reports

FHWA Vehicle Classifications			
<b>1. Motorcycles</b> 2 axles, 2 or 3 tires 	<b>2. Passenger Cars</b> 2 axles, can have 1- or 2-axle trailers 	<b>3. Pickups, Panels, Vans</b> 2 axles, 4-tire single units Can have 1 or 2 axle trailers 	<b>4. Buses</b> 2 or 3 axles, full length 
<b>5. Single Unit 2-Axle Trucks</b> 2 axles, 6 tires (dual rear tires), single-unit 	<b>6. Single Unit 3-Axle Trucks</b> 3 axles, single unit 	<b>7. Single Unit 4 or More-Axle Trucks</b> 4 or more axles, single unit 	<b>8. Single Trailer 3- or 4-Axle Trucks</b> 3 or 4 axles, single trailer 
<b>9. Single Trailer 5-Axle Trucks</b> 5 axles, single trailer  	<b>10. Single Trailer 6 or More-Axle Trucks</b> 6 or more axles, single trailer  	  	
<b>11. Multi-Trailer 5 or Less-Axle Trucks</b> 5 or less axles, multiple trailers 		<b>12. Multi-Trailer 6-Axle Trucks</b> 6 axles, multiple trailers  	
<b>13. Multi-Trailer 7 or More-Axle Trucks</b> 7 or more axles, multiple trailers 			







# Questions?

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Thank you!