

Traffic Safety Initiatives: City of St. Albert



CARSP Conference - Calgary, Alberta
May 26-29, 2019

Presented by:

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Transportation Safety Engineer

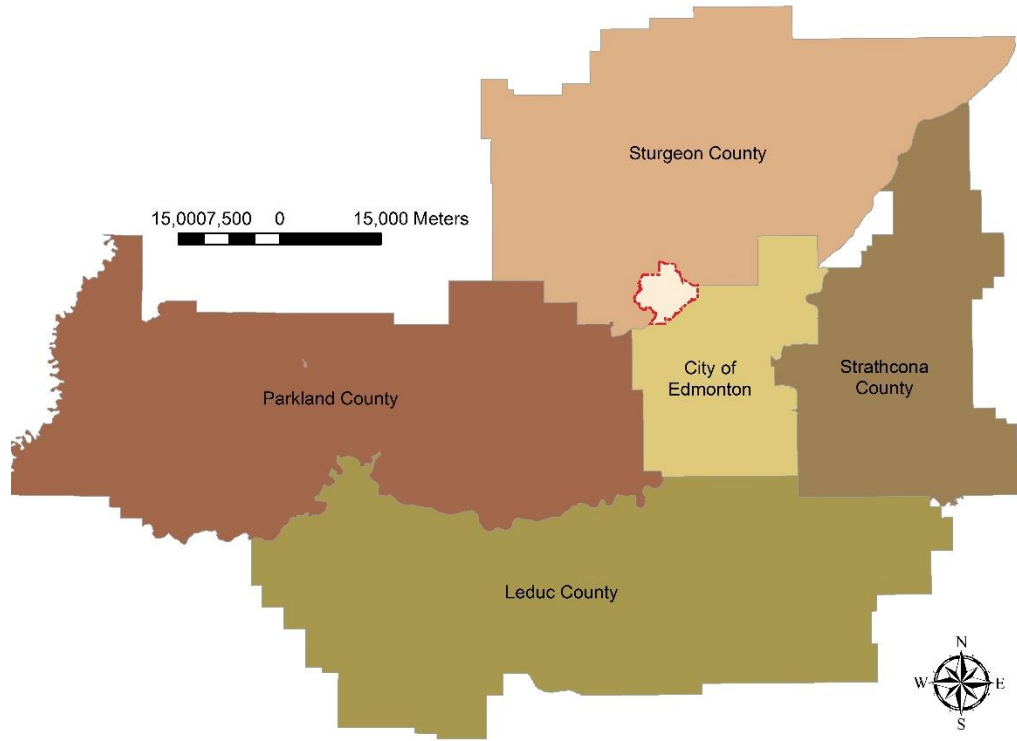
City of St. Albert




Content

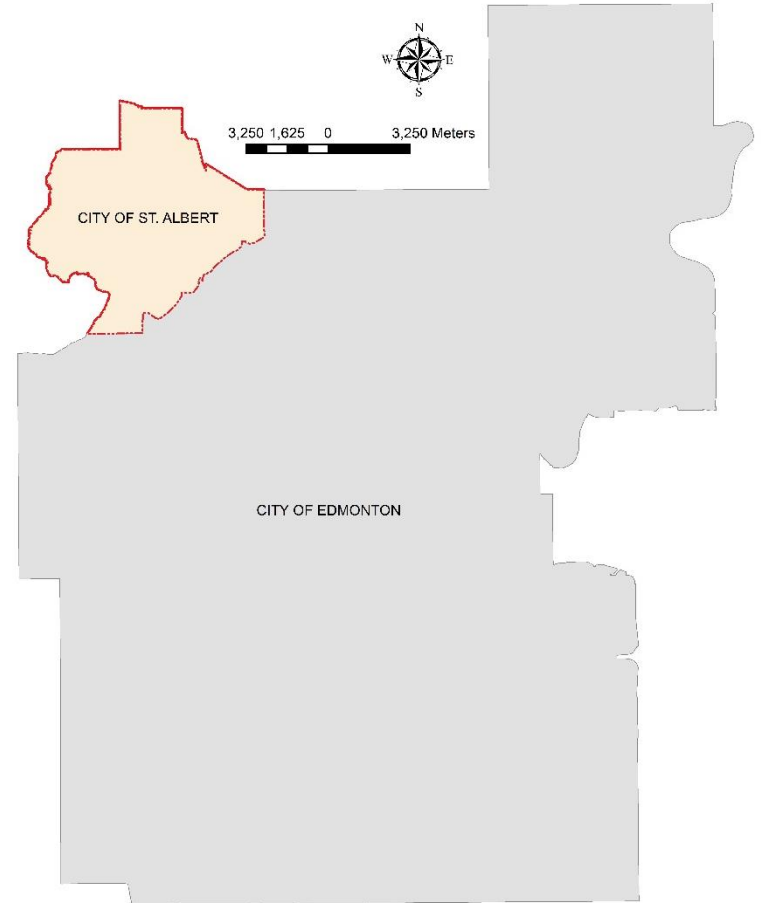
- Background
- Focus Areas
- Safety Initiatives
- Conclusion
- Potential Future Initiatives

Background

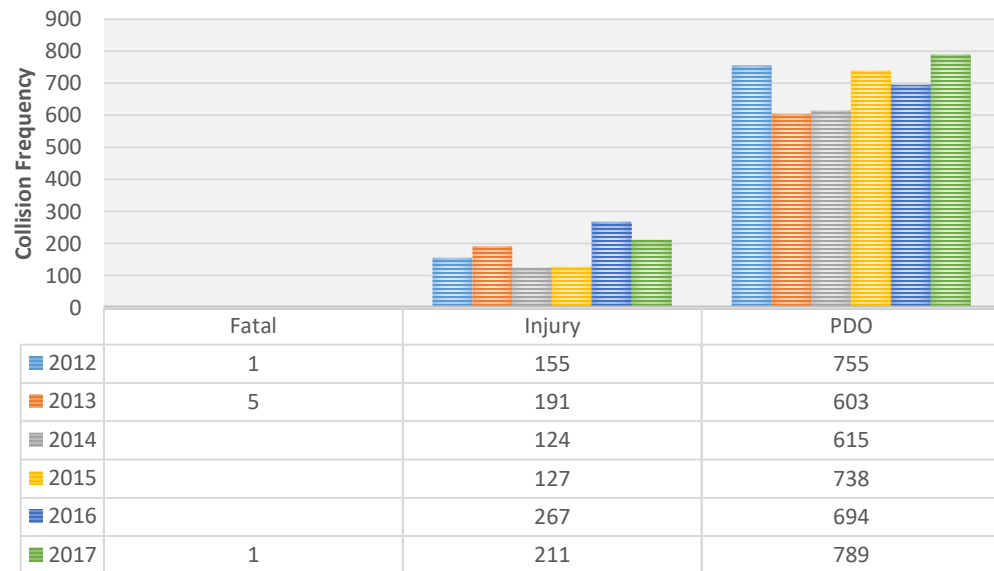
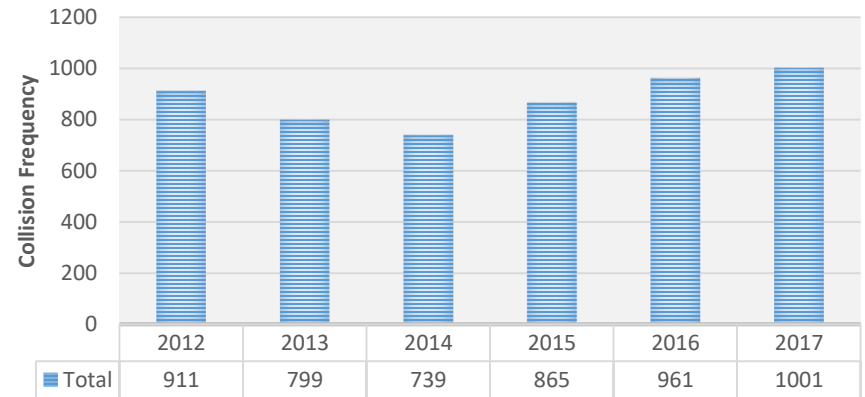
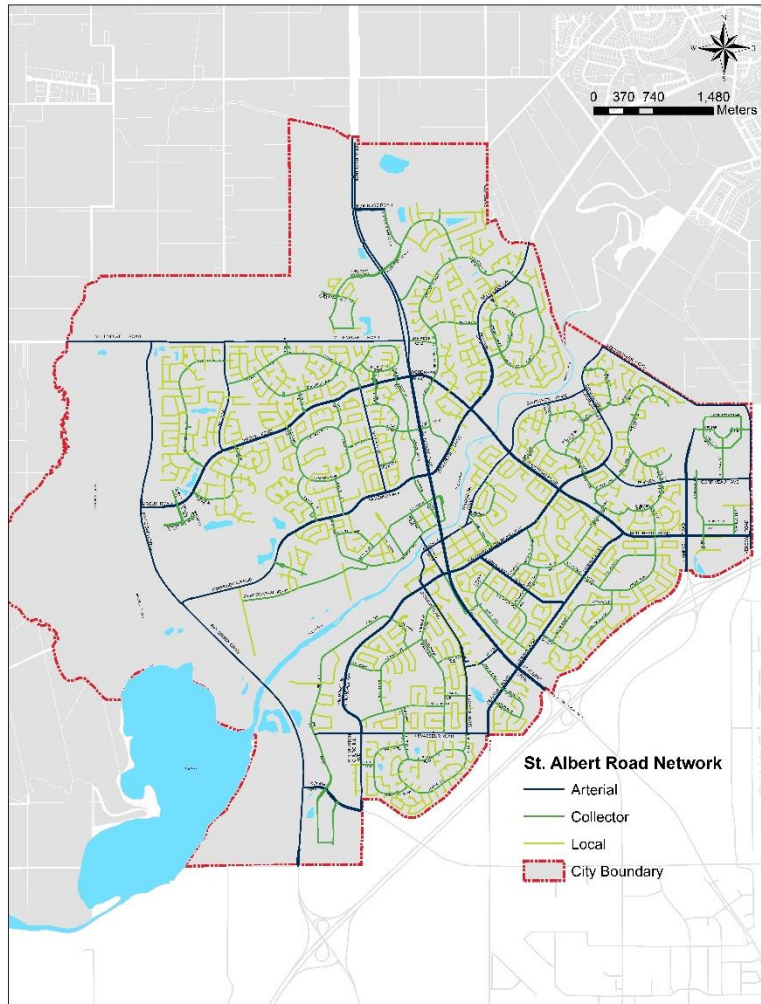


Legend

 City of St. Albert



Background

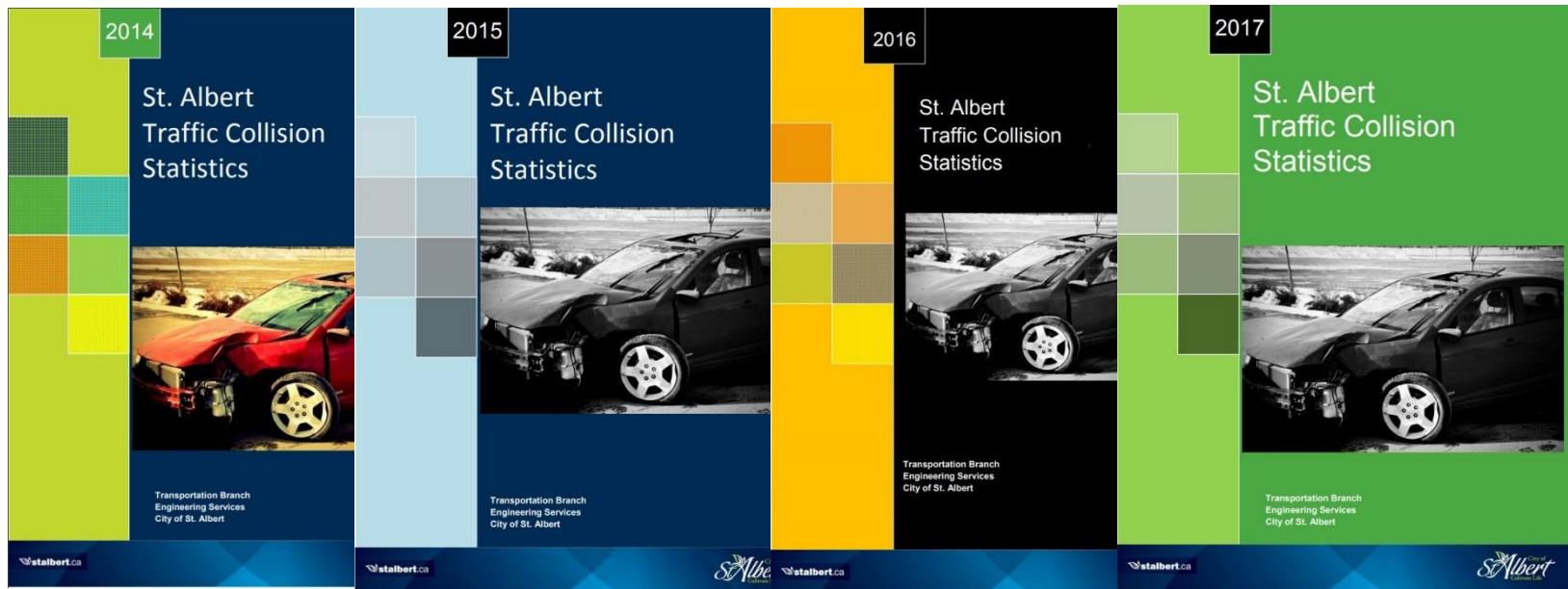


Focus Areas

- Intersection
- School Zone
- Vulnerable Road Users
- Speed
- Distracted Driving
- Young Driver

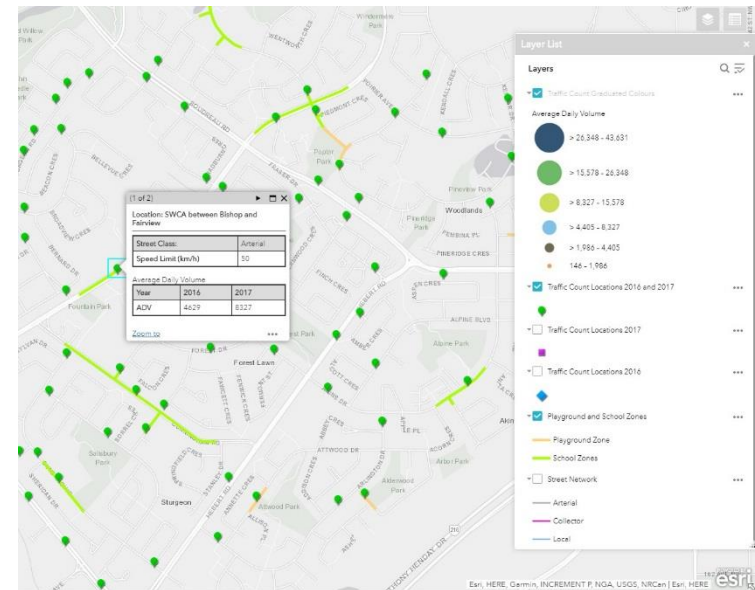
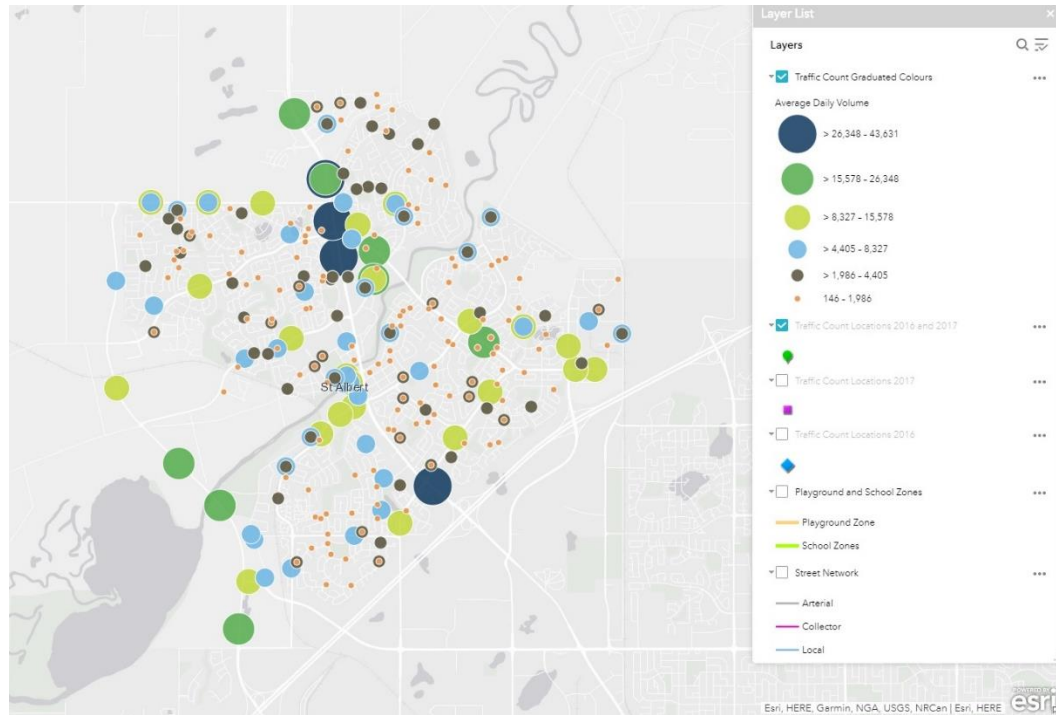
Safety Initiatives

- Collision Data Management



Safety Initiatives

- Traffic Data Management

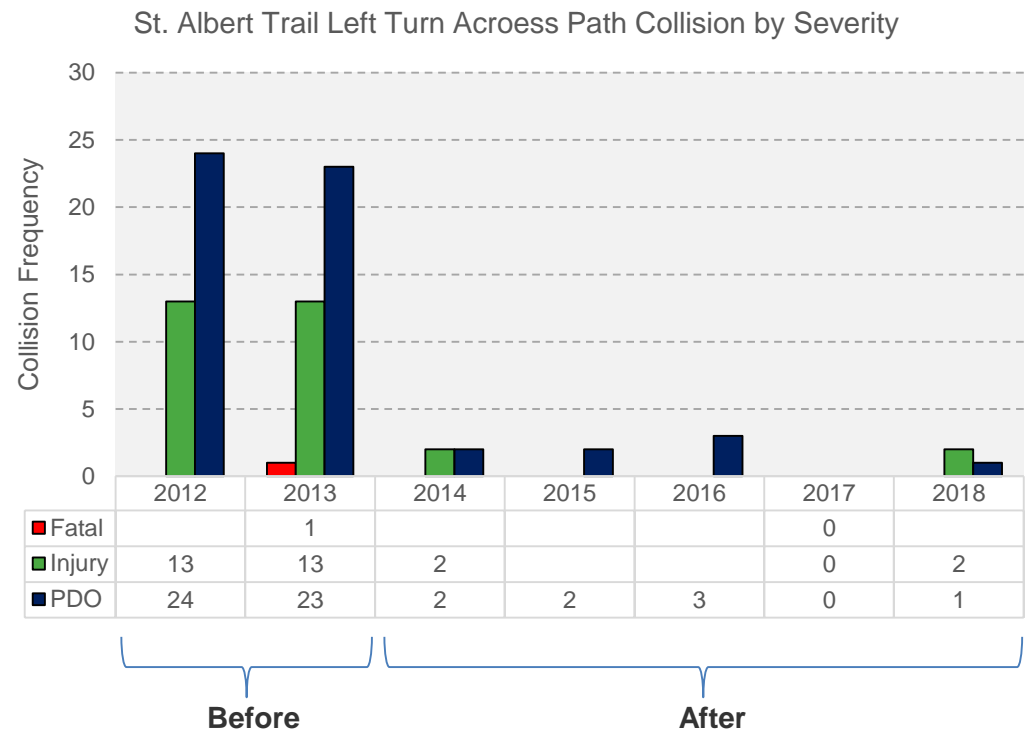
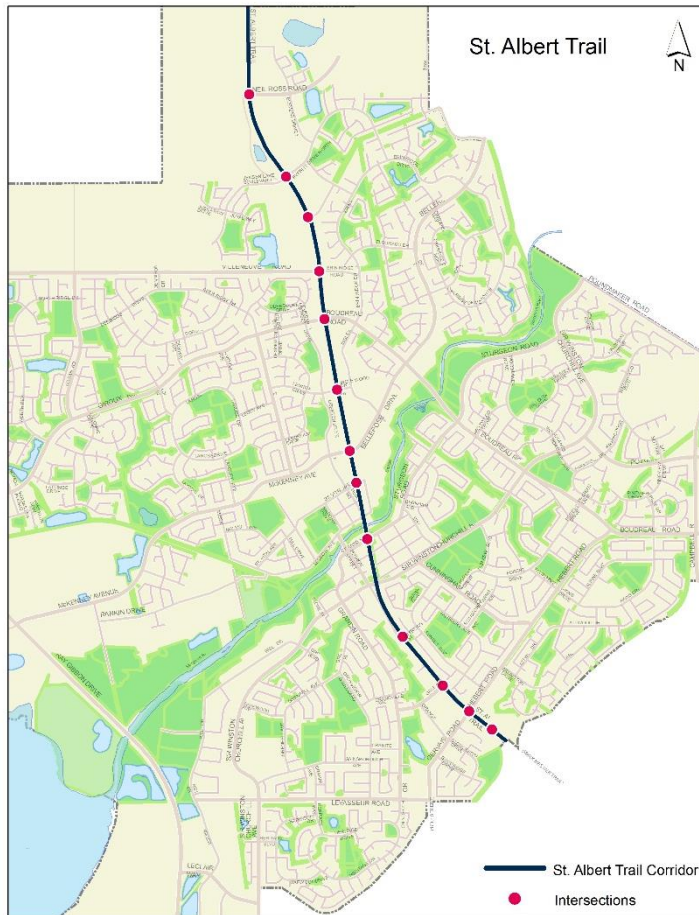


Safety Initiatives

- Intersection Safety
 - Protected Only Left Turn Signal Phase
 - Skid Resistant Material

Safety Initiatives

- Protected Only Left Turn Signal Phase



Safety Initiatives

- Protected Only Left Turn Signal Phase

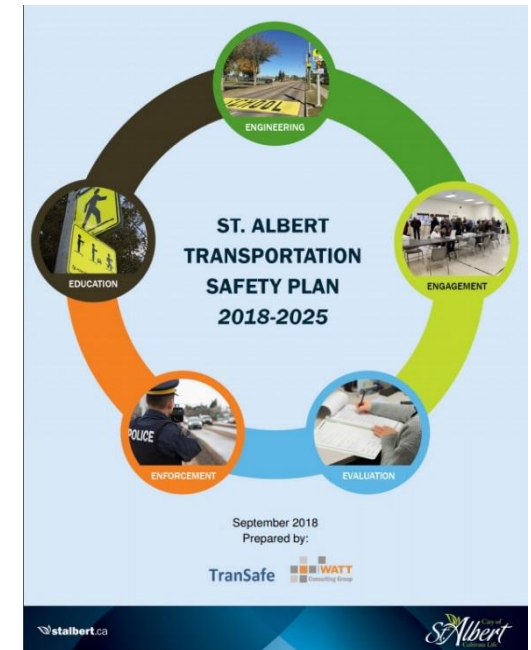
Intersection	CRF	Benefit Cost Ratio
St. Albert Trail & Gate Ave	-100%	79
St. Albert Trail & Giroux Rd/Boudreau Rd	-95%	150
St. Albert Trail & Hebert Rd/Gervais Rd	-98%	836
St. Albert Trail & Lennox Dr/Inglewood Dr	-93%	110
St. Albert Trail & St. Anne St/Sturgeon Rd	-90%	74
St. Albert Trail & St. Vital Ave/Rivercrest Cr	-100%	109
St. Albert Trail & Sterling St/Green Grove Dr	-75%	64
St. Albert Trail & Superstore Intersection	-100%	138

Safety Initiatives

- Integration of Traffic Safety into Guidelines and Strategies
 - Transportation Safety Strategic Plan
 - Neighbourhood Traffic Calming
 - Complete Streets Design Guidelines
 - Traffic Impact Assessment Guidelines

Safety Initiatives

- Integration of Traffic Safety into Guidelines and Strategies
 - Transportation Safety Strategic Plan
 - 2018-2025
 - 60 Strategies and Projects
 - Ongoing- 3 Projects
 - Short Term (1-3 Years)- 24 Projects
 - Medium Term (3-5 Years)- 26 Projects
 - Long Term (5+ Years)- 7 Projects



Safety Initiatives

- School Zone Safety
 - Safe Journeys to School



Safe Journeys to School

Final Consultant Report

City of St. Albert
March 2, 2015



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Safety Initiatives

- School Zone Safety
 - Point, Pause and Proceed Sign



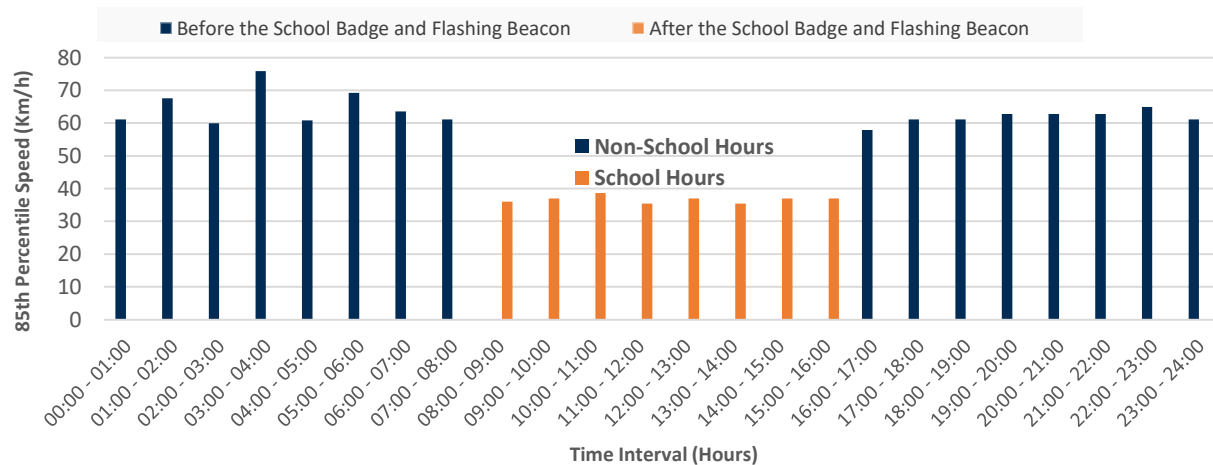
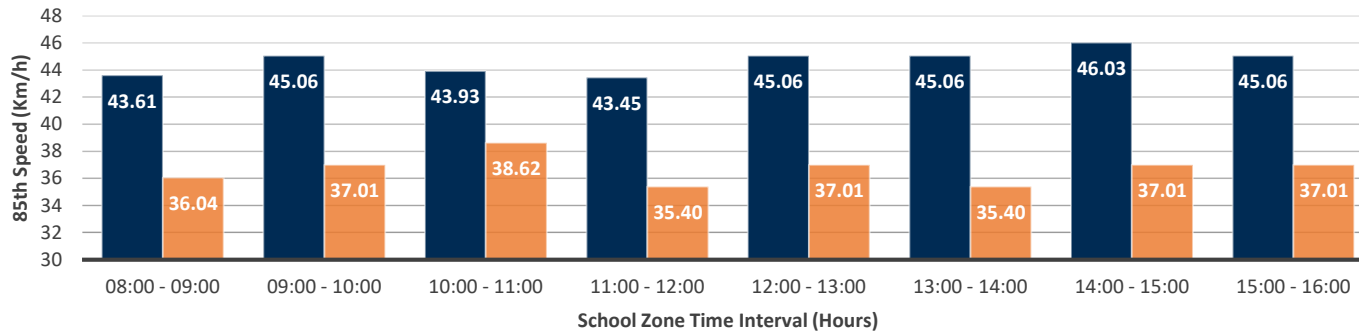
Safety Initiatives

- School Zone Safety
 - Flashing Beacon, School Badge and Speed Display Sign



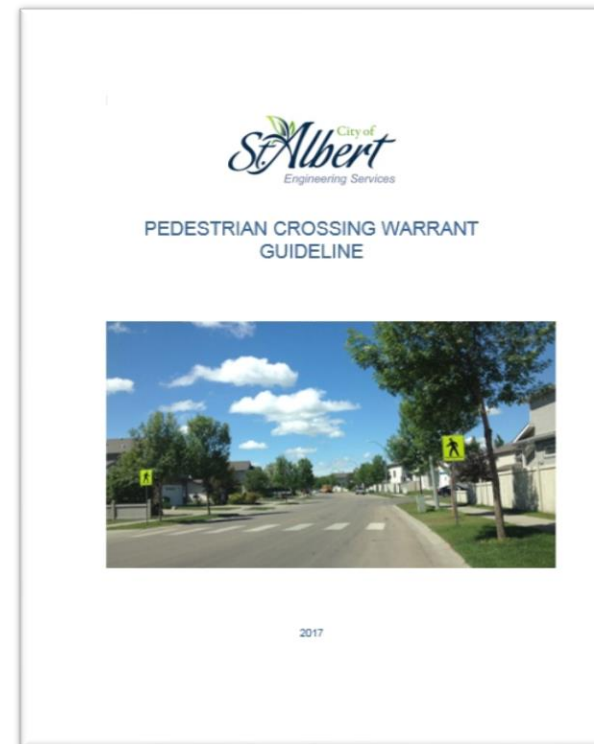
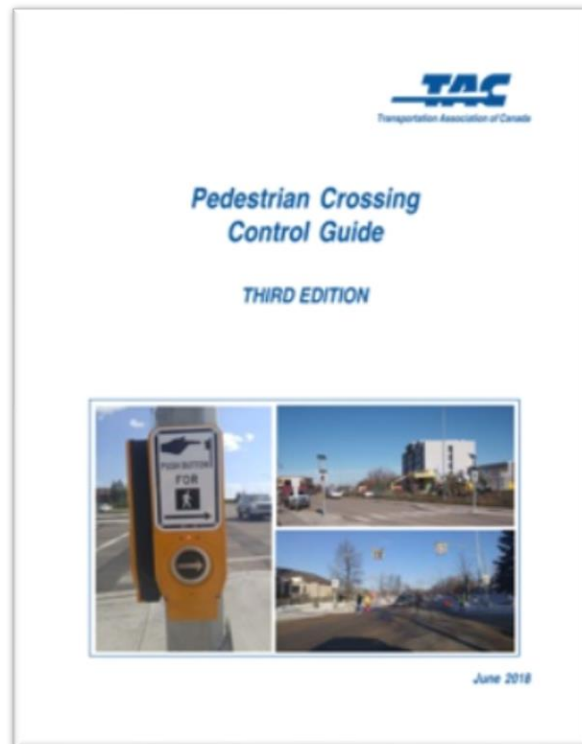
Safety Initiatives

- Flashing Beacon, School Badge and Speed Display Sign



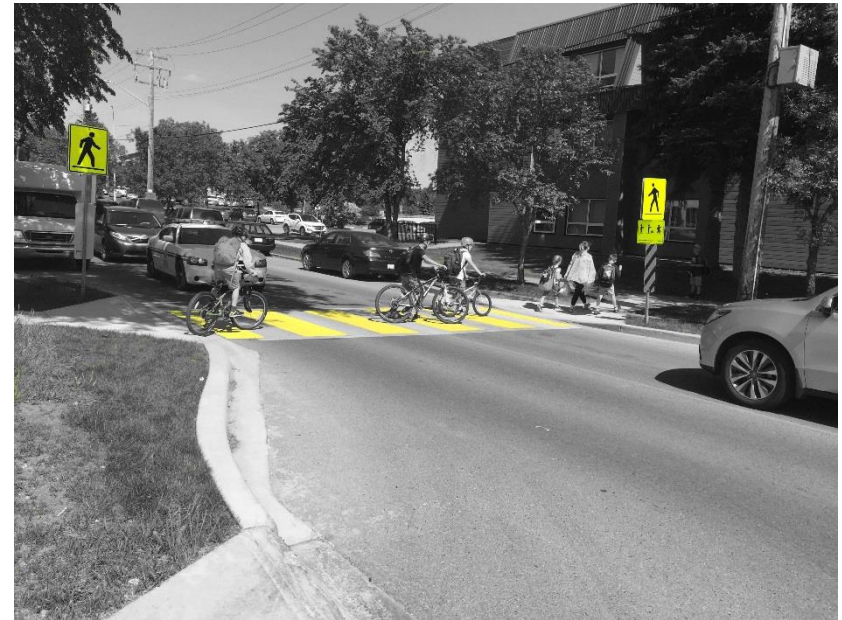
Safety Initiatives

- Pedestrian Crossing Improvement
 - Update pedestrian crossing guidelines



Safety Initiatives

- Pedestrian Crossing Improvement
 - Fluorescent Road Marking Material



Safety Initiatives

- Pedestrian Crossing Improvement
 - Fluorescent RA4 (Pedestrian Crossing Signs)



Safety Initiatives

- Pedestrian Crossing Improvement
 - Pedestrian Criss Cross (Pedestrian Scramble)



Safety Initiatives

- Pedestrian Crossing Improvement
 - Pedestrian Curb Extensions



Permanent Curb Extension



Temporary Curb Extension

Safety Initiatives

- Pedestrian Crossing Improvement
 - Rectangular Rapid Flashing Beacon (RRFB)



Safety Initiatives

- Pedestrian Crossing Improvement
 - Illuminated Crosswalk with RRFB



Conclusion

- Next Steps
 - Data Collection
 - Speed
 - Collision
 - Complaints
 - Evaluation
 - Longitudinal
 - Cross Sectional

Limitations



Limitations



Potential Future Initiatives

- At Fault Drivers and Violators Mapping
- Youth Conference
- Defensive Driving Education
- Enforcement Ticket Option 4 (Strathcona County)
- Safe Vehicle (Vehicle Technology)
- Gateway Treatment
- DFB with Photo Enforcement
- Mobile Apps

Potential Future Initiatives

- Safe Vehicle (Vehicle Technology)
 - Forward-Collision Warning
 - Autobraking- City Speed
 - Autobraking- Highway Speed
 - Lane Departure Warning
 - Lane Departure Prevention
 - Blind-Spot Warning
 - Rear Cross Traffic
 - Rear view Camera

Questions?



Contact Information

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