

Speed & Road Safety Concerns

Oxford Road 20/North St E
Broadway to Tillson Ave.

Presentation to Tillsonburg Council

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County-wide Traffic Calming Approach

- Ongoing speed monitoring in communities
- Information sharing and collaboration with OPP, municipal partners and community
- Adoption of posted speeds which are consistent with driving environment
- Prioritization and monitoring of traffic calming measures
- Consideration of traffic calming measures as part of road design

Speed & Road Safety Review Work Plan

- **24hr/7day speed data collection and analysis**
- **Review existing conditions and traffic/pedestrian data**
- **Determine appropriate posted speed limit (TAC)**
- **Consult with Municipal Representatives and Police**
- **Present findings and recommendations to
Tillsonburg Council**
- **Public consultation**
- **County Council approval**

Establishing Posted Speeds (TAC)

- **TAC Guidelines – 2009**
- **Risk based analysis**
- **Physical and Road-User characteristics**
- **Systematic, consistent approach**
- **Site specific characteristics, engineering judgement**
- **Excludes school zones/playground areas**
- **Local, Provincial policies**

Appropriate Posted Speeds and Speed Variation/Differential

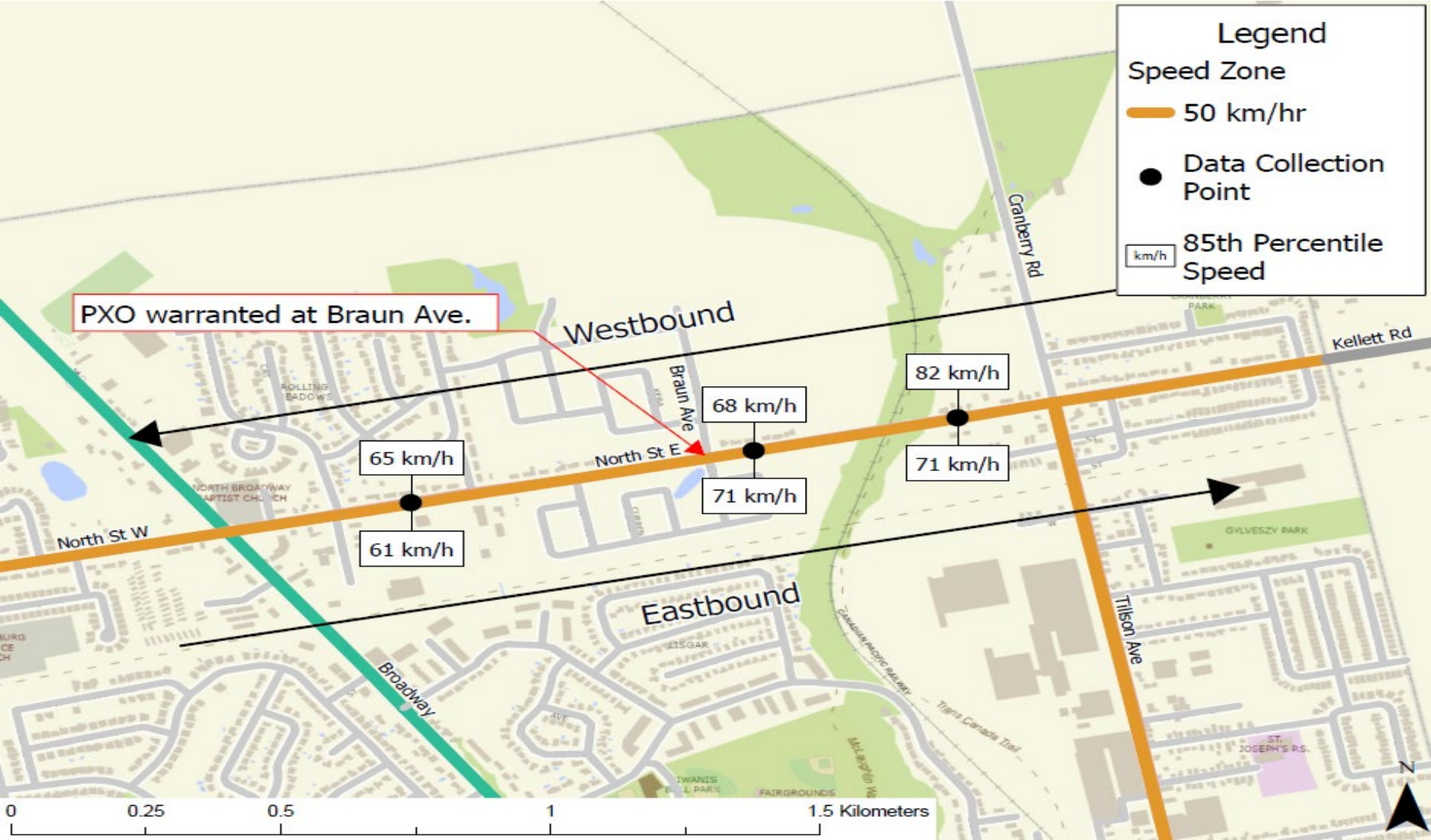
- Reduces speed variation/differential
- Reduces risk of collisions
- Enhances road safety
- Risk of collision is lower with uniform traffic flow
- Improves enforcement effectiveness
- Promotes uniform traffic flow
- Collision rate is more directly affected by speed variation than absolute speed
- Posted speeds lower than design/operating speeds result in:
 - ▶ Tailgating
 - ▶ Impatient Drivers
 - ▶ Passing
 - ▶ Greater collision risk

Oxford Road 20/North St. E

Existing Conditions

- **Two lane/ three lane Urban Road x-section**
- **On street bike lanes and sidewalks**

Oxford Road 20/North St. E Speed Data (24hr/7 day)



Oxford Road 20/North St. E Collision History

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022
Property Damage Only	2	3	1	4	7	3	1	4	1
Non-Fatal Injury	0	0	0	0	0	1	0	0	0
Fatal Injury	0	0	0	0	0	0	0	0	0
Total	2	3	1	4	7	4	1	4	1

Total Collisions 2014 – 2022: 27

- **Historical collision data from 2014 to 2022:**
 - ▶ **27 total collisions**
 - ▶ **26 property damage only, 1 non fatal injury**
 - ▶ **Avg 3.00 collisions/year**
 - ▶ **Collision Rate**
 - **0.96 per 1mil vehicle kms**
 - **Provincial Avg (2019) = 1.53 per 1mil vehicle kms**

Oxford Road 20/North St. E Posted Speed Limits

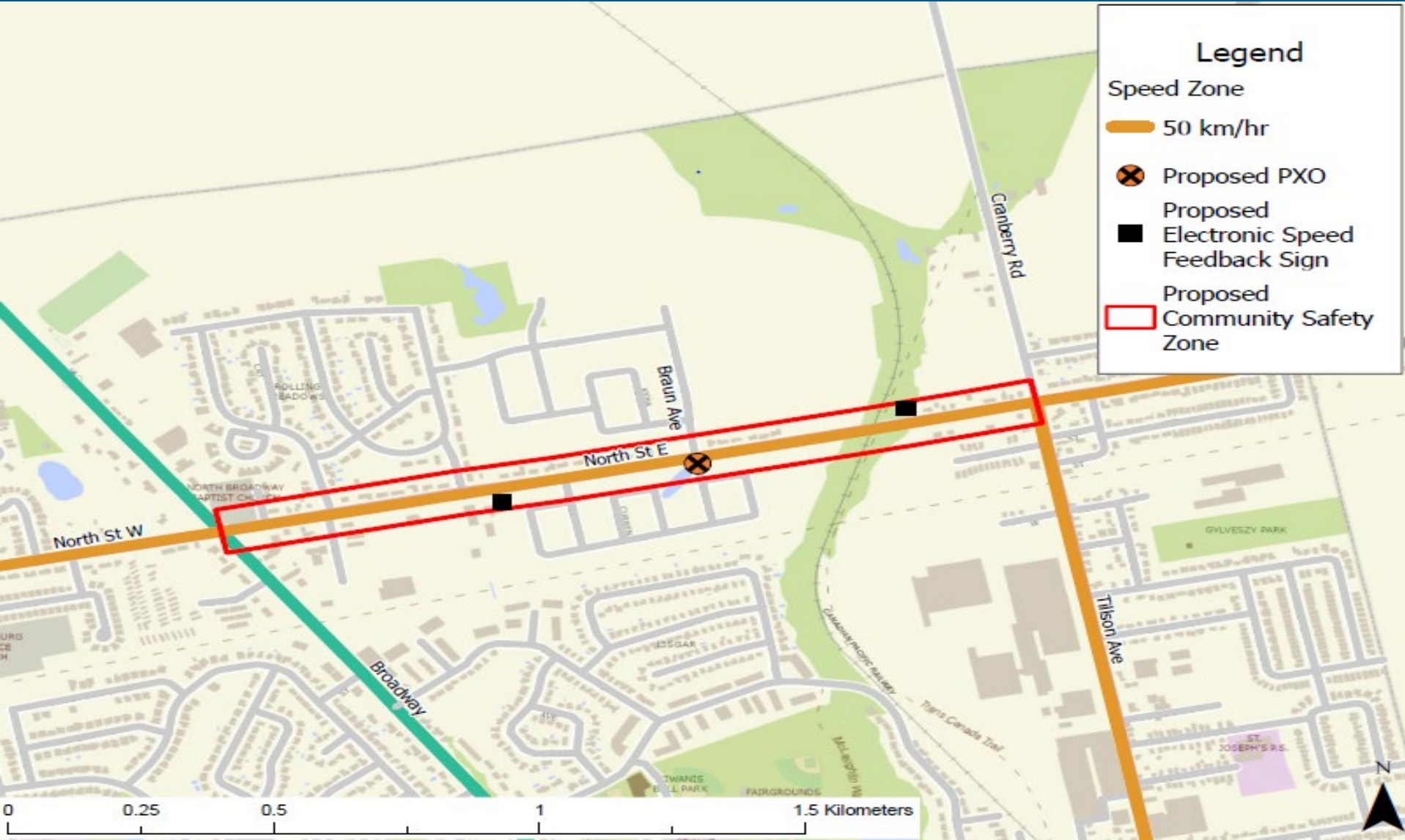
SEGMENT	POSTED SPEED (KM/H)	TAC RECOMMENDED POSTED SPEED ¹ (KM/H)	DIFFERENCE (KM/H)	OXFORD COUNTY RECOMMENDED POSTED SPEED (KM/H)
Oxford Road 20/ North St E (Broadway and Tillson Ave)	50	60	+10	50

¹TAC Canadian Guideline for Establishing Posted Speed Limits (2009)

Oxford Road 20/North St. E Speed & Road Safety Review Findings

- **Speeds 15-20 km/h over posted speed at west end of study limits**
- **Speeds > 20 km/h over posted speed at mid and east end of study limits**
- **50 km/h speed is 10 km below TAC guideline**
- **Community Safety Zone warranted**
- **Ongoing subdivision development**

Oxford Road 20/North St. E Immediate Measures



Oxford Road 20/North St. E Future Considerations

- **Intersection improvements at Tillson Ave. planned for 1-5 year Horizon**
- **Pedestrian Crossing (PXO) at Coulthard St / Braun Ave (2025)**
- **CSZ eligible for future automated speed enforcement**

Next Steps

- **Public consultation (Notices & Speak Up Oxford)**
- **County Council Authorization (Nov. 22, 2023)**
- **By-law amendment**
- **Implementation of immediate measures (Q2 2024)**
- **PXO implementation 2025**
- **Post monitoring/data sharing with Police**

Speed & Road Safety Concerns

THANK YOU