

# Speed & Road Safety Concerns

**Oxford Road 15/Parkinson Rd**  
(Beard's Lane to Oxford Road 4)

**Oxford Road 35/Devonshire Ave**  
(Vansittart Avenue to Huron Street)

**Oxford Road 17**  
(14<sup>th</sup> Line to Oxford Road 4)

**Presentation to City of Woodstock Council**  
**October 19, 2023**

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# County-wide Traffic Calming Approach

- **Ongoing speed monitoring in communities**
- **Information sharing and collaboration with Police, 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 Woodstock 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**

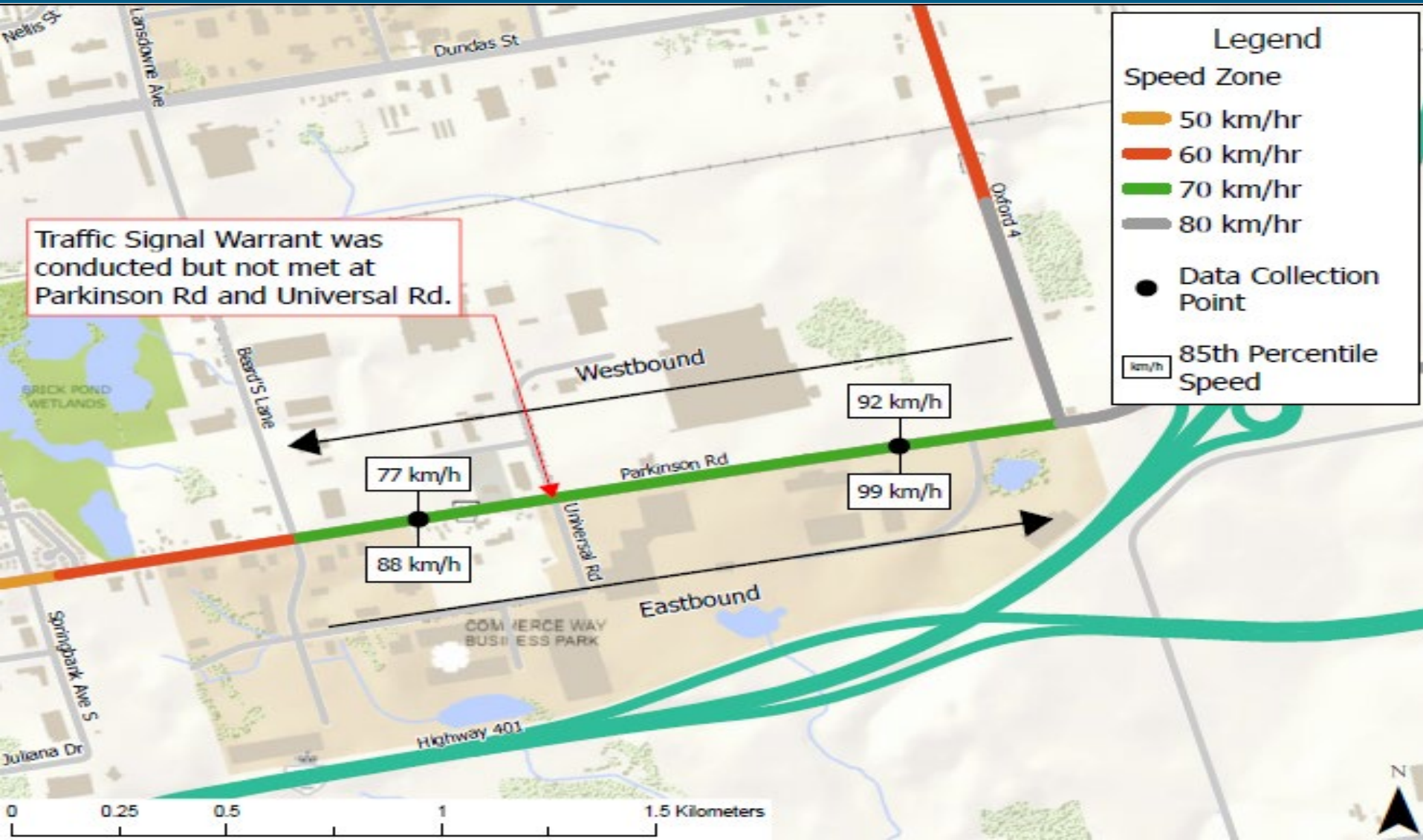
# Appropriate Posted Speeds and Speed Variation/Differential

- 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 15/Parkinson Rd Beards Lane to Oxford Road 4 Existing Conditions**

- **Two lane rural cross section (paved and gravel shoulders)**
- **Entire corridor is illuminated**
- **70 km/h posted speed**
- **Industrial land use**

# Oxford Road 15/Parkinson Rd Speed Data (24hr/7 day)



# Oxford Road 15/Parkinson Rd Collision History

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Property Damage Only	1	4	3	6	1	3	8	4	3	2
Non-Fatal Injury	0	0	0	0	3	1	0	0	1	1
Fatal Injury	0	0	0	0	0	0	0	0	0	0
Total	1	4	3	6	4	4	8	4	4	3
Total Collisions 2013 – 2022: 41										

- **Historical collision data from 2013 to 2022:**
  - ▶ **Excludes signalized intersection @Beards Lane**
  - ▶ **41 total collisions**
  - ▶ **Avg 4.10 collisions/year**
  - ▶ **Collision Rate**
    - 1.07 per 1mil vehicle kms
    - Provincial Avg (2019) = 1.53 per 1mil vehicle kms



# Oxford Road 15/Parkinson Rd Posted Speed Limits

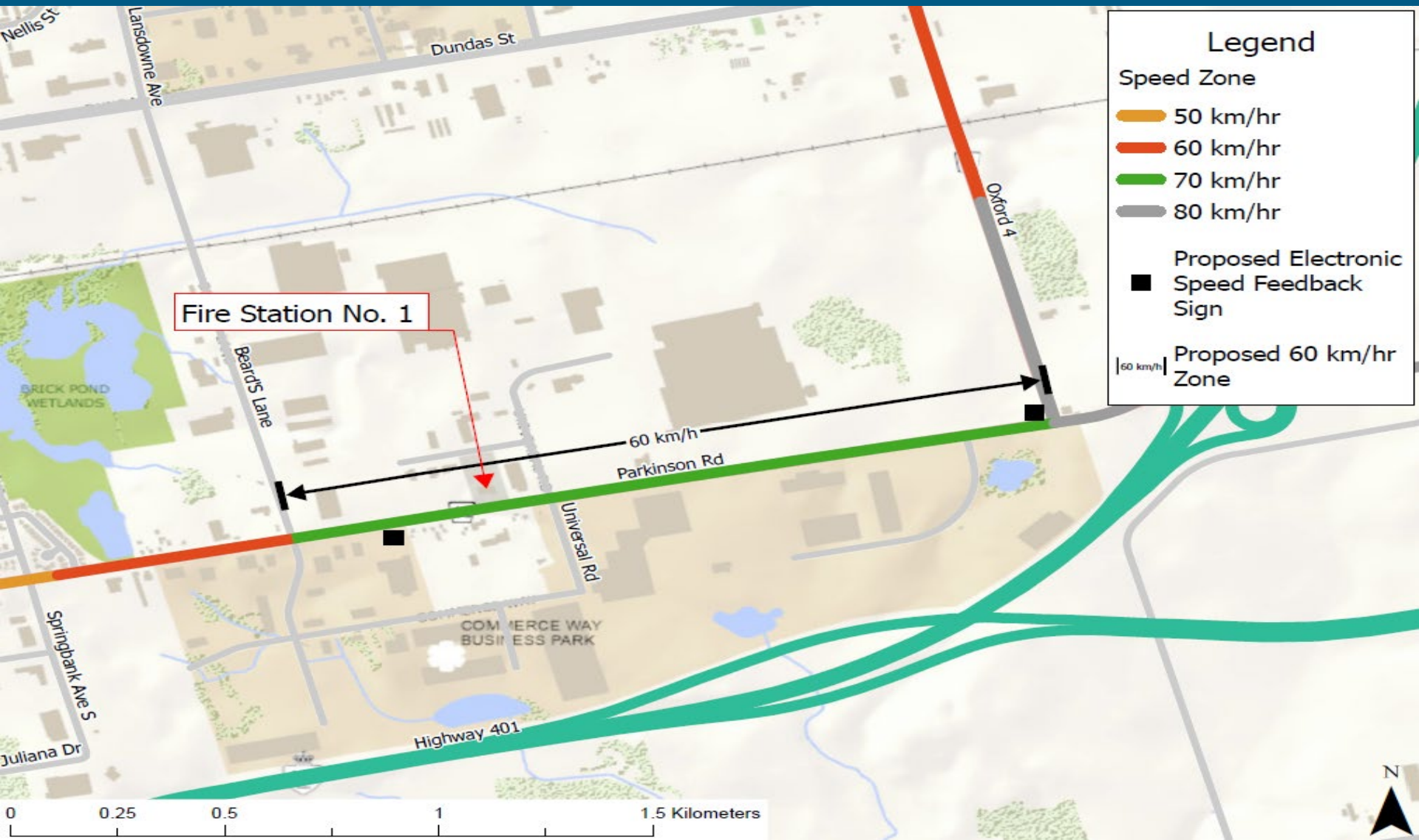
SEGMENT	POSTED SPEED (KM/H)	TAC RECOMMENDED POSTED SPEED <sup>1</sup> (KM/H)	DIFFERENCE (KM/H)	OXFORD COUNTY RECOMMENDED POSTED SPEED (KM/H)
Beards Lane to Oxford Road 4	70	60	-10	60
Oxford Road 4 to Middletown Line	80	80	0	80

<sup>1</sup>TAC Canadian Guideline for Establishing Posted Speed Limits (2009)

# Oxford Road 15/Parkinson Rd Speed & Road Safety Review Findings

- **85<sup>th</sup> percentile speeds > 20 km/h over posted speed at east end**
- **85<sup>th</sup> percentile speeds 15-20 km/h over posted speed at west end**
- **Collision rate is lower than 2019 Provincial average**
- **Signalization not warranted at OR 15 and Universal Drive**
- **Posted speed 10 km/h above TAC guideline**

# Oxford Road 15/Parkinson Rd Immediate Measures



# Oxford Road 15/Parkinson Rd Future Considerations

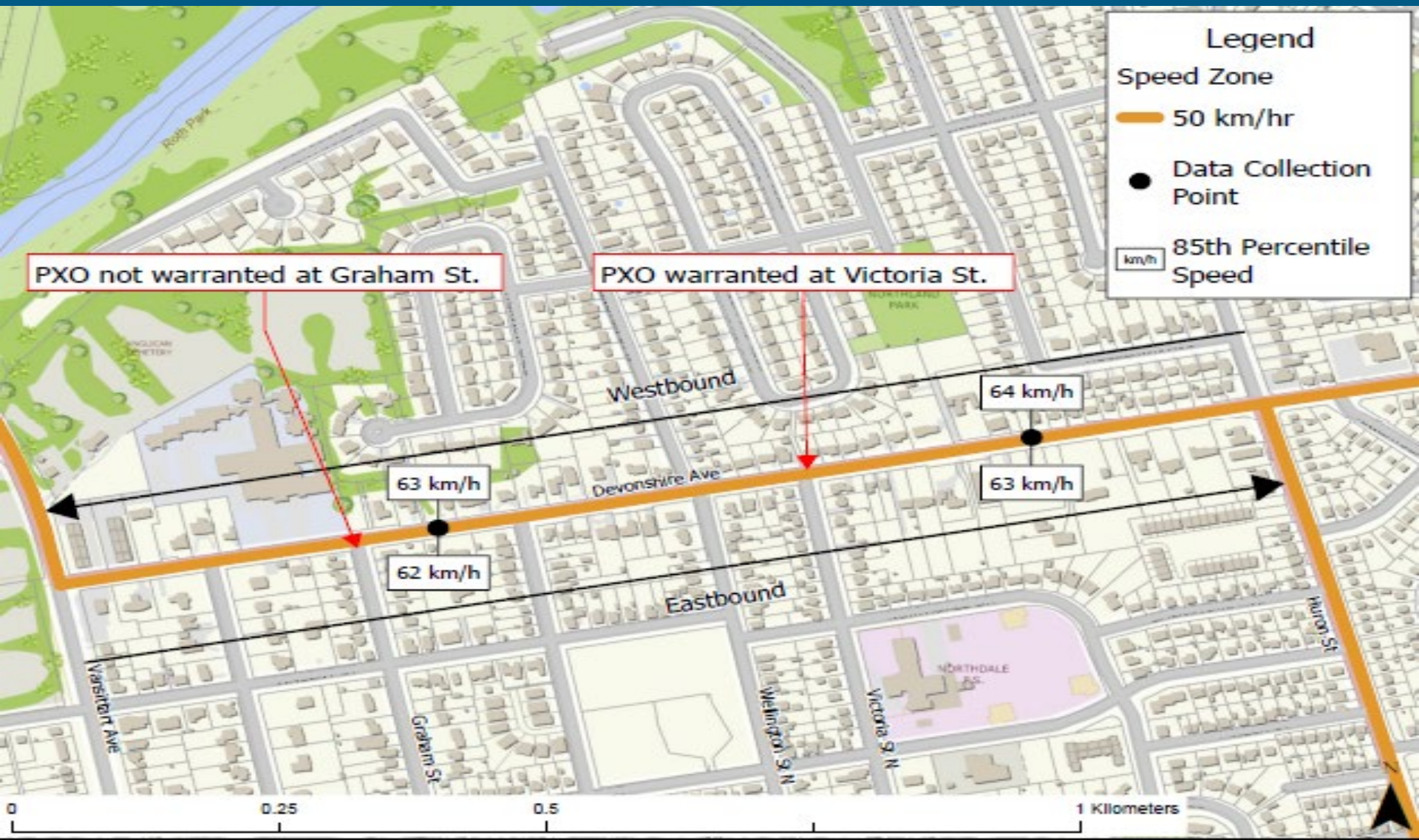
- **Road urbanization**
- **Active Transportation infrastructure (cycling, pedestrian)**
- **Intersection upgrades at OR15 and OR4 (2024 Class EA)**

# **Oxford Road 35/Devonshire Ave Vansittart Ave to Huron St Existing Conditions**

- **Two lane urban x-sec**
- **On street parking**
- **Continuous sidewalk on both sides**
- **50 km/h posted speed**
- **School crossing at Victoria Street**
- **Senior Residence (Oxford Gardens)**
- **Residential land use**



# Oxford Road 35/Devonshire Ave Speed Data (24hr/7 day)



# Oxford Road 35/Devonshire Ave Collision History

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Property Damage Only	4	10	8	3	3	7	8	2	7	4
Non-Fatal Injury	0	0	3	1	2	2	3	0	1	0
Fatal Injury	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>10</b>	<b>11</b>	<b>4</b>	<b>5</b>	<b>9</b>	<b>11</b>	<b>2</b>	<b>8</b>	<b>4</b>

**Total Collisions 2013 – 2022: 68**

- **Historical collision data from 2013 to 2022:**
  - ▶ Excludes intersections at Vansittart Ave and Huron St
  - ▶ 68 total collisions
  - ▶ Avg 6.8 collisions/year
  - ▶ Collision Rate:
    - 1.35 per 1mil vehicle kms
    - Provincial Avg (2019) = 1.53 per 1mil vehicle kms
  - ▶ 23 of 68 collisions occurred at Wellington St intersection
  - ▶ 32 of 68 collisions occurred at private driveways

# Oxford Road 35/Devonshire Ave Posted Speed Limits

SEGMENT	POSTED SPEED (KM/H)	TAC RECOMMENDED POSTED SPEED* (KM/H)	DIFFERENCE (KM/H)	OXFORD COUNTY RECOMMENDED POSTED SPEED (KM/H)
Vansittart Ave to Huron St	50	50	0	50

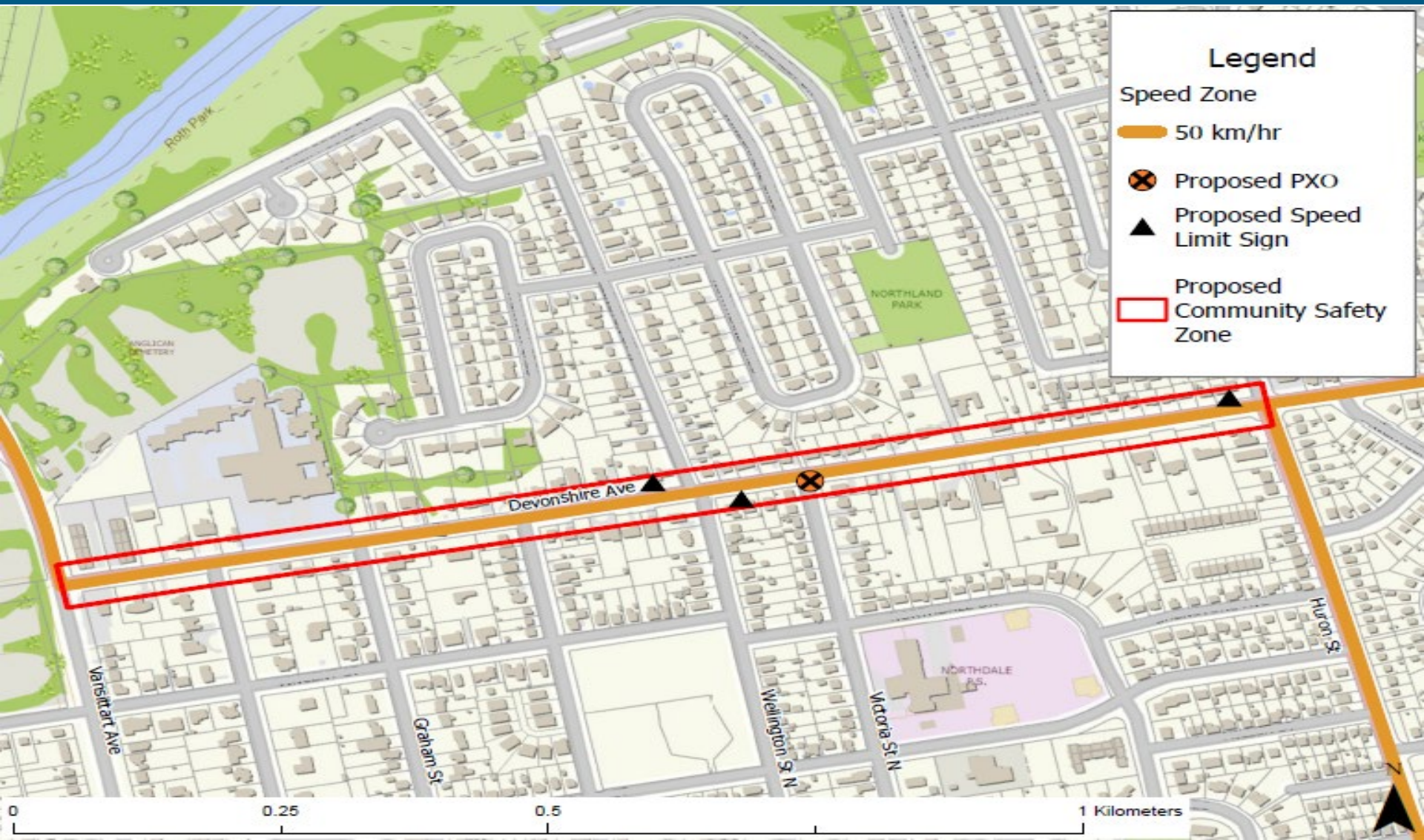
\*TAC Canadian Guideline for Establishing Posted Speed Limits (2009)



# Oxford Road 35/Devonshire Ave Speed & Road Safety Review Findings

- **85<sup>th</sup> percentile speeds < 15 km/h over posted speed**
- **Collision rate lower than 2019 Provincial average**
- **50km/h posted speed aligns with TAC**
- **Pedestrian crossing (PXO) warranted at Victoria St. (existing school crossing)**
- **Pedestrian crossing not warranted at Graham St.**
- **Community Safety Zone warranted**
- **Nearly 50% of collisions occurred at private driveways**

# Oxford Road 35/Devonshire Ave Recommendations – Immediate



# Oxford Road 35/Devonshire Ave Future Considerations

- **CSZ allows for increased speeding fines and eligible for future automated speed enforcement**
- **Planned road reconstruction in 2025**
  - ▶ Shared left turn lane, cycling infrastructure
  - ▶ Traffic signal upgrades
  - ▶ PXO implementation

# **Oxford Road 17 14<sup>th</sup> Line to Oxford Road 4 Existing Conditions**

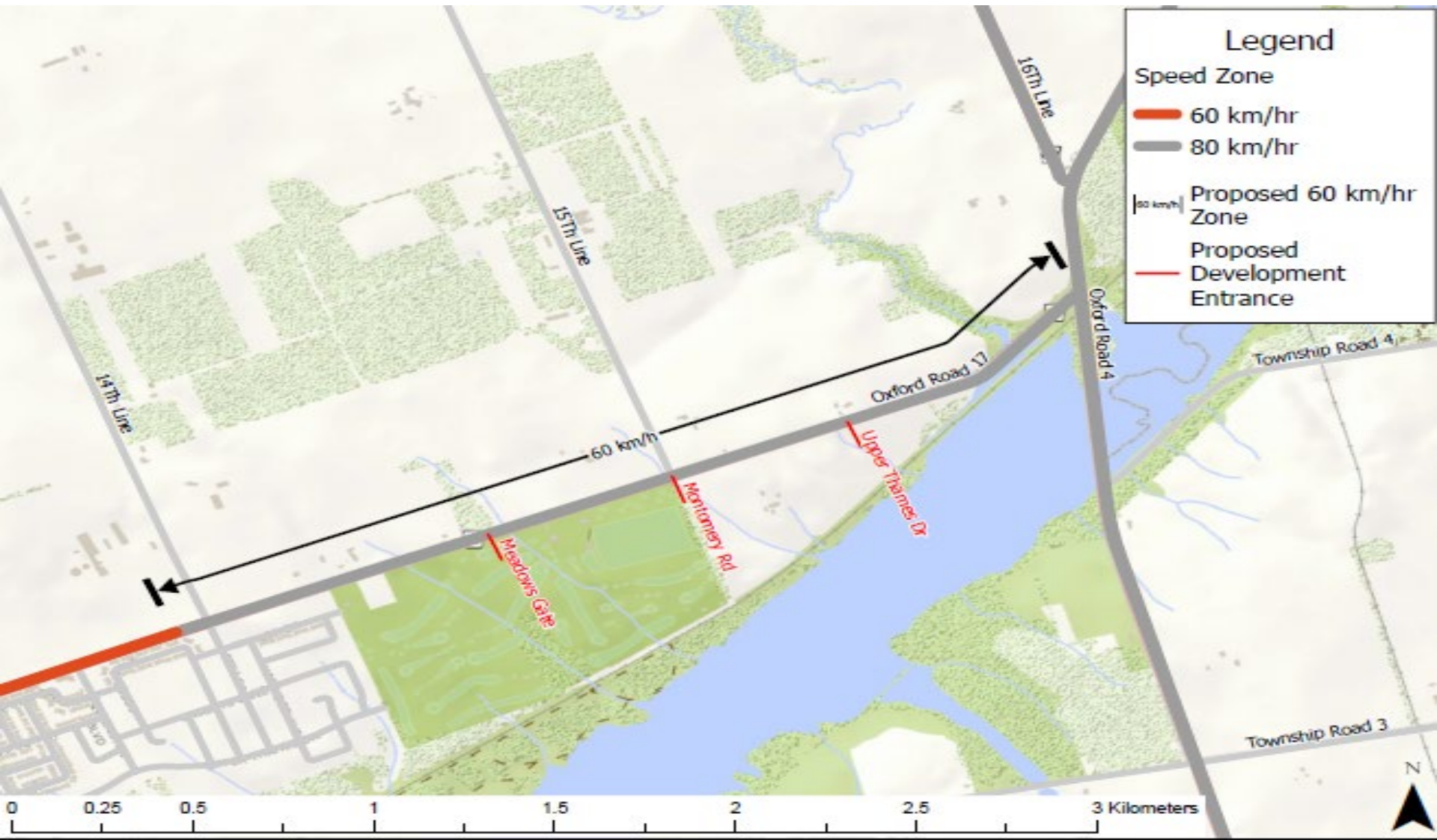
- **Two lane rural cross section**
- **Residential land use on south side**
- **Agricultural land use on north side**
- **80 km/h posted speed**

# **Oxford Road 17 14<sup>th</sup> Line to Oxford Road 4 Existing Conditions**

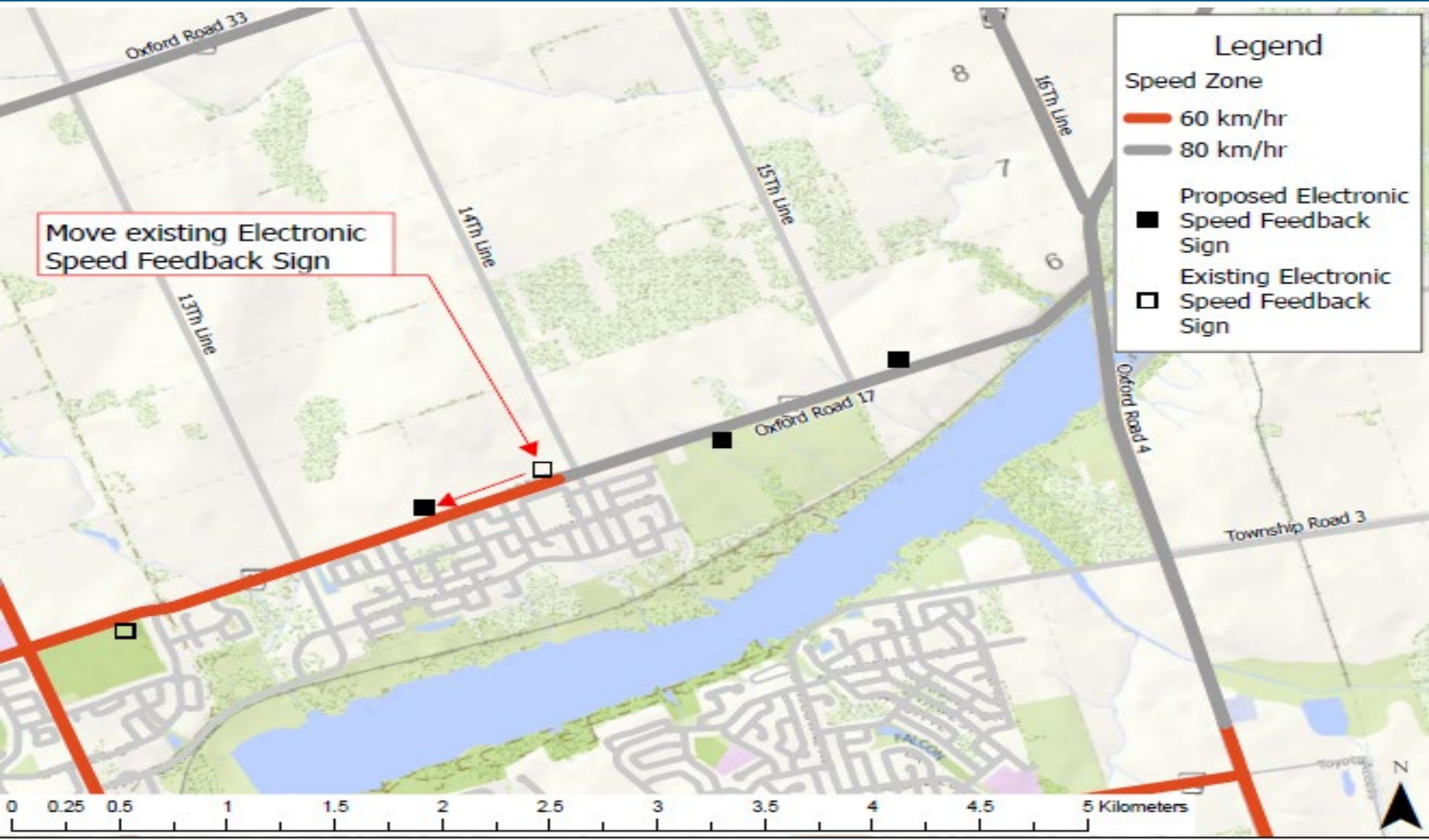
- **Three new intersections planned for residential subdivision access**
- **60km/h posted speed required to meet minimum sightline distances at new intersections**



# Oxford Road 17 Immediate Measures



# Oxford Road 17 Immediate Measures



# Oxford Road 17 Future Considerations

- **Class EA study for corridor improvements  
(11-20yrs)**



# Next Steps

- **Public consultation (Notices & Speak Up Oxford)**
- **County Council Authorization (November 22 , 2023)**
- **By-law amendments (speed & CSZ)**
- **Implementation of immediate measures (Q2 2024)**
- **Post monitoring/data sharing with Police**

# Speed & Road Safety Concerns

**THANK YOU**