



Ontario Road Safety Forum

Safety Research and Knowledge Needs at the Municipal Level

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Members of the Road Safety of Ontario Committee (ROSCO) were consulted and requested to provide feedback on research needs.

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Potential research needs:

- Impacts of lowering BAC
- Preliminary assessment of Level 2 Pedestrian Crossovers
- School location impacts on student cycling and walking rates
- Safety performance of crossing guards

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Potential research needs:

- Impacts of Student Safety Patrols
- Can crossing guards enhance student safety in higher speed zones at traffic signals
- Daylight saving time – is it appropriate
- LED Street light impact on road safety

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Potential research needs:

- Safety performance of cross-rides
- Human factors behind roundabout yielding behaviour

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Topics that garnered greatest committee attention were:

- Safety performance of cross-rides
- Safety assessment of Level 2 PXO
 - Potentially compare to Level 1 PXO

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Other interest areas:

- Conflict analysis / near-miss data
 - Confirm whether it could be considered a surrogate measure of safety
 - Standardizing units of measure
 - e.g. what is a near-miss

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Other interest areas:

- Reliability of KSI (FI) collision data versus all data, including PDO and SR
- Ontario wide assessment of cycling and pedestrian collisions

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Other interest areas:

- Correlation between previous convictions/suspensions and fatal/serious injury collisions
- Balancing safety vs. efficiency of fully-protected left-turn operation
- IPS impact on angle collisions