

# School Zone Speed Limits

Traffic Services and Road Safety

Maxwell Gill, CET, Supervisor of Road Safety



# School Zone Speed Limits

## Current Condition

### Local Roadways



- 30km/h in the school zone
- Community Safety Zone
- Automated Speed Enforcement
- 199 local school zone locations

### Major Roadways



- Some 40km/h when flashing in the school zone
- 50km/h or 60 km/h other hours
- No Automated Speed Enforcement
- 30 major roadway school zone locations

# Traffic Staff Review

## Local Road School Zones:

Staff were requested to review the feasibility and impacts of time of day speed limits in school zones on local roadways.

- 30 km/h during school hours
- 40 km/h the rest of the day



# Traffic Staff Review

## Cost/Resource Impacts:

- More than 1,300 signing changes are required (25% of the total signing changes made through NASLP)
- \$575,000 is required to undertake this initiative
- Timeline is one year to complete as the work is coordinated with ASE deployments
- More than 200 by-law amendments and 400 utility locates are required

# Local Road School Zones

Sign congestion:



# Local Road School Zones

## Vision Zero:

There is a **9 in 10 chance of survival** if hit by a vehicle travelling 30 km/hr or lower

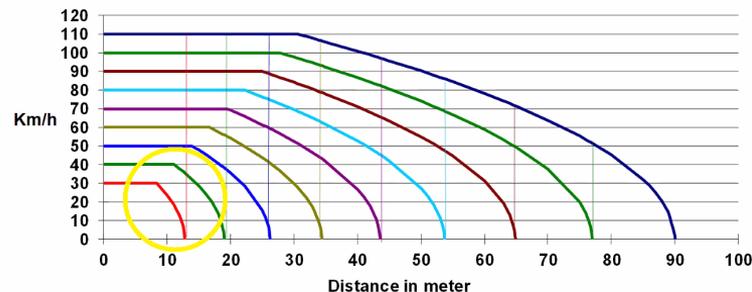


At 50 km/hr, the survival rate **drops to 1.5 in 10**



## Stopping distance and collision speed

Fast reaction time 1 second and hard breaking on dry asphalt

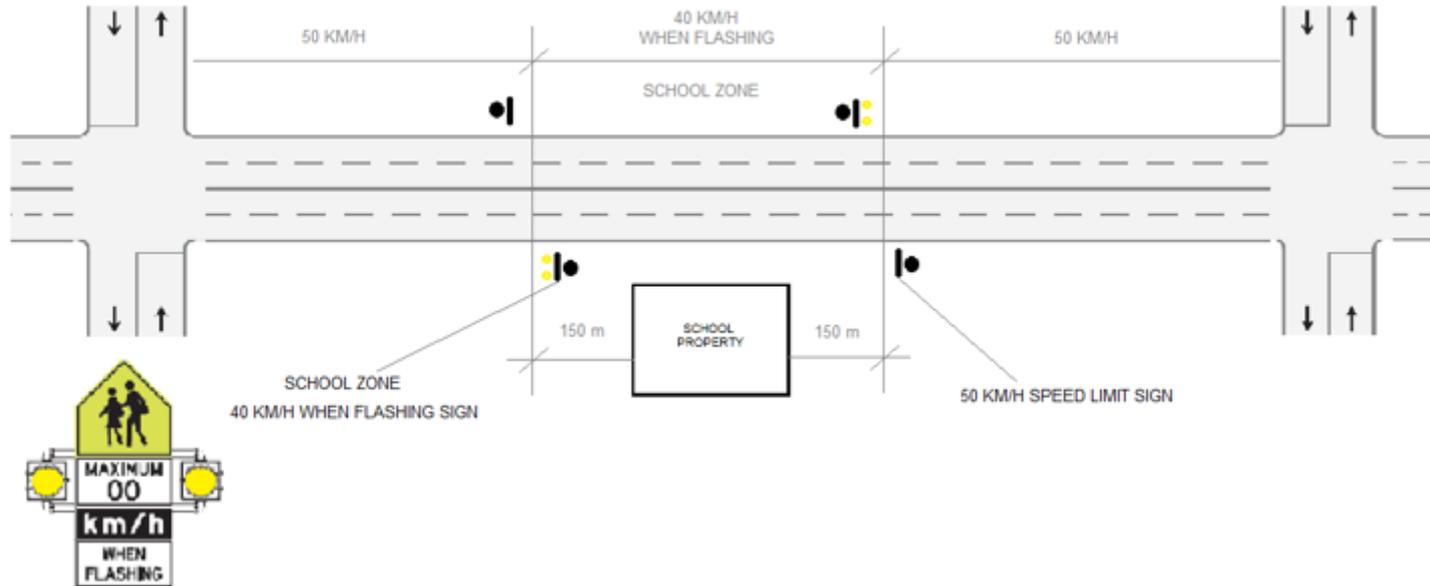


# Traffic Staff Review

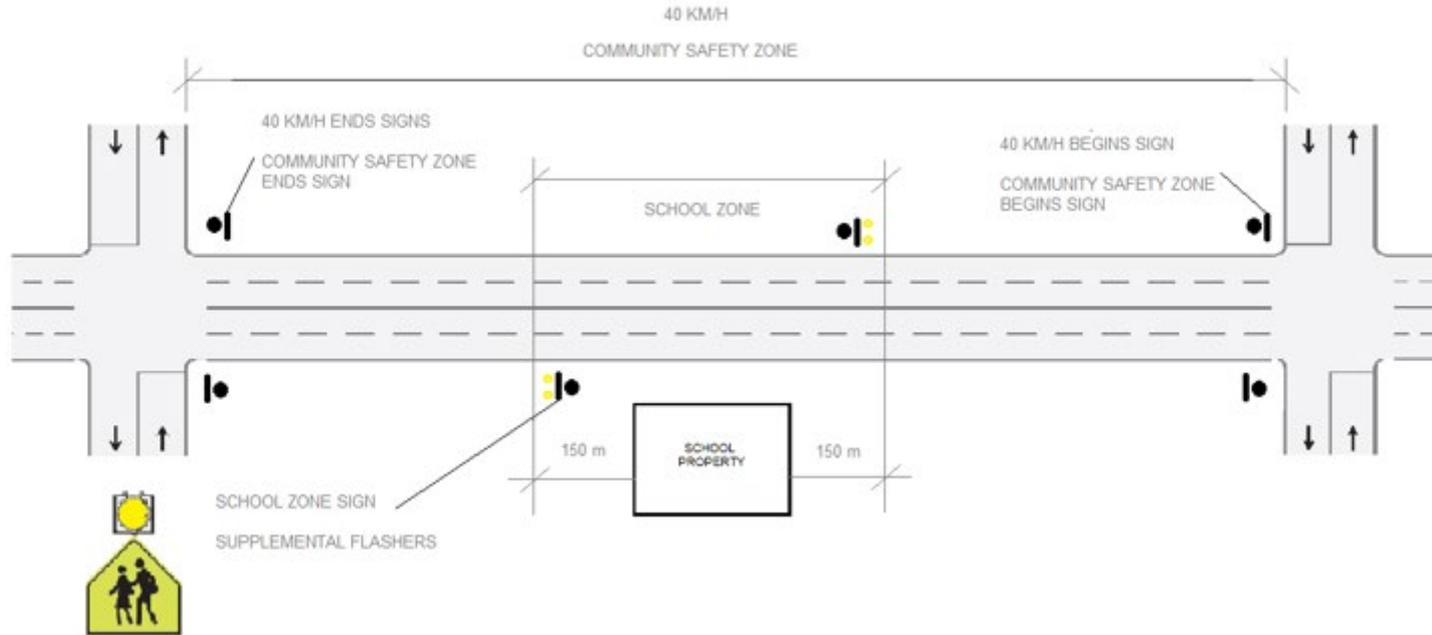
## Major Road School Zones:

- Ability to deploy Automated Speed Enforcement
  - Provincial regulation prevents ASE in flashing 40 km/h
  - Maintain/repurpose flashing beacons
  - Consistency across the municipality
- Some funding required most of which can be accommodated in existing Capital Budget
- Would result in enhancement of 10 additional school zones with lower posted speeds and flashing beacons

## Typical Major Road School Zone - Existing



# Typical Major Road School Zone - Proposed



## School Zone Speeds Limits

### Local Road School Zones

Option 1	Option 2
<b>Do Nothing</b>	Change to school day speed limits
<b>Neighbourhood school zones remain 30 km/h at all times</b>	Neighbourhood school zones will have a speed limit of 30 km/h on school days, 40 km/h at all other times
<b>Consistent with Vision Zero Principles</b>	Not consistent with Vision Zero
<b>No Cost</b>	Additional budget of \$575,000 is required

### Major Road School Zones

Option 1	Option 2
<b>Do Nothing</b>	<b>Change to full time 40 km/h</b>
School Zones on Major roads will remain ineligible for ASE	<b>All School Zones will be eligible for ASE</b>
Not consistent with Vision Zero	<b>Consistent with Vision Zero Principles</b>
<b>No Cost</b>	<b>Additional budget of \$150,000 is required</b>

# School Zone Speeds Limits

## **DISCUSSION**