

# Caledon East Traffic Calming

## Summary of Findings and Recommendations

June 2018

Road	Description of area	Posted speed Limit	Majority (85%) of observed travelling speed	Auto volume per day	Recommendation of traffic calming measures
Walkers Road	East-west collector between Airport Rd and Mountainview Rd	40 km/hr	59 km/hr	~1400	<ul style="list-style-type: none"> <li>2018 and 2019: <b>Temporary speed boards</b> because of construction for the new subdivision and reconstruction of Walker Road.</li> <li>2019 and beyond: <b>Ped Zone</b> and <b>Edgeline</b> (see details below)</li> </ul>
Olivers Lane	Local road with curves and cul-de-sac	40 km/hr	No data until fall 2018	No data until fall 2018	<ul style="list-style-type: none"> <li>Actions will be depending on the data.</li> <li>Based on preliminary assessment, there is no immediate actions required, except continuous monitoring.</li> </ul>
Cranston Drive	Local road with curves and wide road width, connecting Airport Rd and Mountainview	40 km/hr	54 km/hr	~550	<ul style="list-style-type: none"> <li>Continuous monitoring and no immediate actions required</li> <li>Based on preliminary assessment, there is a potential to install <b>Edgelines</b> in 2020 (see details below)</li> </ul>
Jean Street	Local road with hill and curves, with access to Caledon East Public School	40 km/hr	No data until fall 2018	No data until fall 2018	<ul style="list-style-type: none"> <li>Actions will be depending on the data.</li> <li>Based on preliminary assessment, there is a potential to install <b>Ped Zone</b> in 2019 and beyond (see details below)</li> </ul>

### What is a **Temporary Speed Board**?

- Also known as Radar Speed Driver's Feedback Board, it is an electronic interactive board that displays approaching driver's speed using radar technology.
- Initially, temporary speed board will be installed on a number of candidate roads throughout the Town.
- It will be installed in one location for a couple of weeks and will be rotated to the next location. Speed and volume data are collected.
- If speeding continues to occur, the candidate roads may be qualified for a permanent speed board (as shown in the picture on the right).

### What is a **Ped Zone**?

- It is a set of plastic and bendable bollards installed on the road, that create an effect of narrowing the roadway.
- The width is generally wide enough for a school bus to pass through, but narrow enough to create a visual effect for cars to slow down.
- Contrary to the use of speed bumps, the Ped Zone signs do not slow down emergency vehicles/garbage trucks. If the signs are hit, they fold upon impact then returns to its initial position.
- These signs and bollards will only be installed in spring, summer and fall.
- This is a relatively new traffic calming measures, and staff will implement a few pilots before it could be fully implemented across the Town.

### What is an **Edgelines**?

- Also known as Urban Shoulders, they are pavement marking of white lines on the edge of road besides the curb on each direction.
- The main purpose of edgelines is to “narrow” the roadway by visual cue, creating a traffic calming effect to lower the driver’s travelling speed.
- If the roadway is wide, the edgeline could also create a shared space for other usages e.g. parking, biking, walking/jogging.

### Why not **Speed Bump**?

- Staff agrees that speeding could be significantly reduced before/during the car approaches the speed hump.
- However, after the vehicles roll-pass the speed hump, some may continue to drive slowly, and some may speed up after the speed hump. Studies show that, over time, more drivers would speed up aggressively after they roll-pass the hump, to regain the time they lost prior, creating more devastating potential accidents to the downstream. The overall effect may result in a net gain of speeding.
- Other disadvantages of a speed bump include:
- Further impacting the emergency vehicles and road maintenance
- Penalizing local traffic and good drivers
- Producing constant noise pollution (i.e. the two thumping sounds when a car with two axles crosses the hump)
- Others such as drainage issues, road surface damages, etc.
- Although speed hump may not be always a preferred immediate solution, staff have not ruled out the speed hump option completely. Staff is currently investigating the combination effect of traffic calming, including any or all of the above in phases and in close proximity.