

# Speed Hump & Speed Table/Raised Crosswalk

## Spec Update – Info Session

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## Definitions

**Speed humps** are raised areas of a roadway which cause vertical upward deflection of travelling vehicles

**Speed tables** are elongated speed humps with flat-topped sections (flat top speed humps)

**Raised crosswalk** – speed table that are implemented curb to curb and marked as pedestrian crossing (concrete or asphalt)

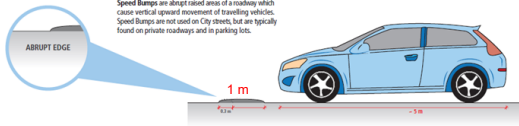


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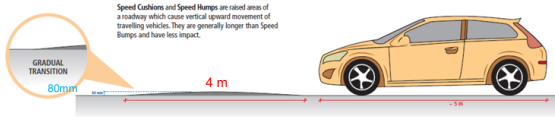
# What It Looks Like

## Speed Bump



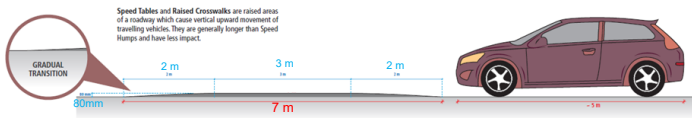
*Abrupt raised – installed on private roadway/parking lots but not on City streets*

## Speed Hump



*Longer than speed bump and have less impact*

## Speed Table / Raised Crosswalk



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# Ottawa Streets

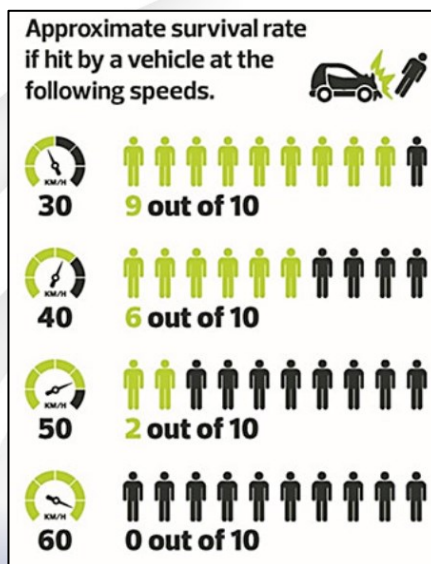


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## Why Install ?

### Improve Safety

- Address vehicle speeding concern
- Make streets safer for all road users
- Encourage active transportation, safe and healthy communities



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## Who Recommends

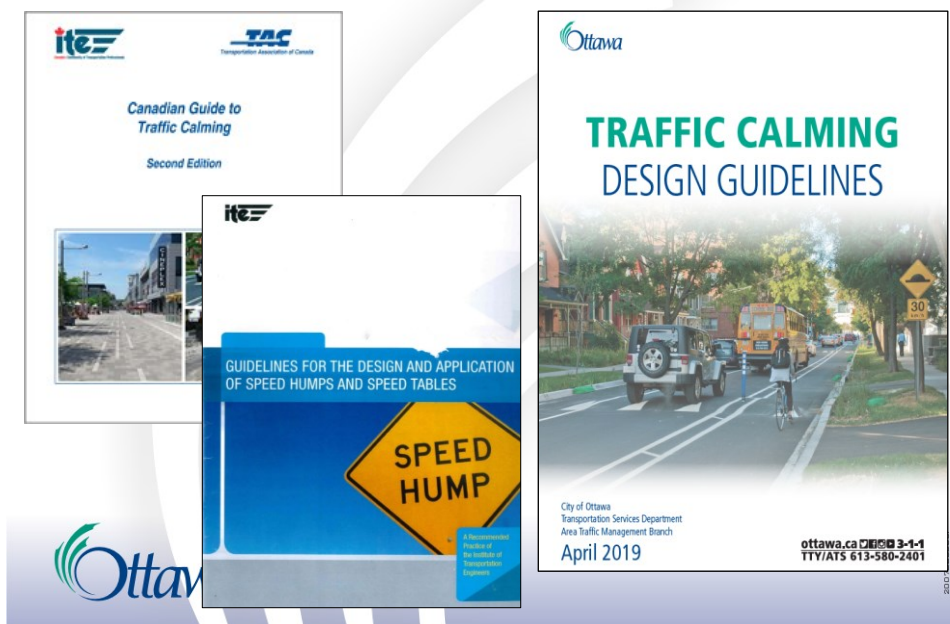
### Implemented through:

- Neighbourhood Traffic Calming (NTC) program
- New Active Transportation Program
- Development Review
- Temporary Traffic Calming (TTC) Program (fairly new policy)
- Road Renewal Projects (fairly new policy)
- RSAP Program (fairly new policy)



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## References



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## Background –Spec Update

One of the Councillor requested to review City Standards resulting from issues/complaints at few recent projects

Issues raised:

- Speed Humps and Raised Crosswalk does not appear to be raised enough
- Seems different that proposed design
- Noticed no impacts on vehicle speed
- Seems different than that are implemented at other locations (where it is more effective) – Inconsistency ?



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## Challenges Heard-Construction

Challenges in achieving proper height

- Sinusoidal cross-sections are difficult to construct
- Tend to deform overtime in the direction of traffic flow
- Ambient temperature during construction- can impact compaction level
- Sufficiency of bond between new asphalt and existing street

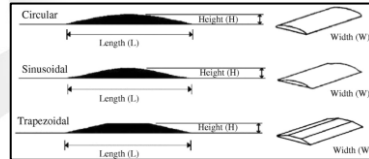


Image Source: Journal of TE Vol 1, No 3

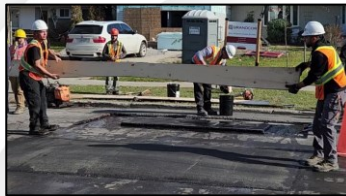


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## Ideas to Improve – Learning Process

- Speed hump profile template – verify speed hump dimensions and profile are accurate
- Opportunity to **Update Spec** (continuous process..)
- Provide feedback



*Incorrect profile can reduce effectiveness or create other unintentional issues (damage, comfort)*



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## Key Messages

- Achieving proper height/shape is important to meet project objective and residents'/councillors' expectation
- Part of Traffic Calming measures as well as Integrated Speed Management measures
- Intent of updating spec is to increase consistency in the design and application of these measures
- Feedback from designers/contractors is always helpful



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