

To: Don Gullekson;  
Cc: Council  
From: Jordan Thompson, Director of Operations and Planning  
Date: July 22<sup>nd</sup>, 2019

**Reference: 11/154/2019-194**

## RE: Speed Bumps

Councillor Gullekson thank you for your request about the use of speed bumps. Speed bumps and speed humps, under the right circumstances, may be an effective means to calm traffic. The evaluation of any traffic calming strategy needs take into account the benefits and the risks to motorists, pedestrians, adjacent landowners, and municipal operations. In the case of speed bumps and speed humps on City roads, a number of factors need to be considered including:

- Cost
- Location of driveways, manholes or water valves,
- Road surface material (asphalt or gravel),
- Night time visibility of the speed humps,
- Available room for warning signage,
- Road drainage and spring melt,
- Snow clearing operations,
- Parking impacts,
- Impact of noise and vibrations to adjacent residents (engine, brake, and suspension noise),
- The “flash” of the headlight beam as a vehicle drives over hump.
- Inconvenience to local residents who travel the roads regularly,
- Change in traffic patterns as motorist divert to other residential streets,
- Emergency vehicle delays,
- Impression of a neighbourhood by prospective home buyers,

With Council’s endorsement Administration can bring forward a speed reduction strategy that includes speed humps for consideration - a speed hump costs approximately \$6,000 to \$10,000 each. However, in light of the factors listed above speed bumps and speed humps are not recommended as a traffic calming strategy on City roads. Other available options which can have a positive effect on speed reduction include:

- heightened enforcement,
- road narrowing through the construction of medians, or curb extensions/“bulb-outs”,
- electronic speed signs

I trust this letter satisfies your concerns, however please let me know if you have any further questions about this item.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jordan Thompson', with a long horizontal flourish extending to the right.

Jordan Thompson, PMP, CET

Director of Operations and Planning