



The Corporation of the Town of LaSalle

<b>Date</b>	April 18, 2018	<b>Report No:</b>	PW-17-18
<b>Directed To:</b>	Mayor and Members of Council	<b>Attachments:</b>	
<b>Department:</b>	Public Works	<b>Policy References:</b>	
<b>Prepared By:</b>	Peter Marra, P.Eng. – Director of Public Works & Mark Beggs – Manager of Roads and Parks		
<b>Subject:</b>	Speed Bump Cost and Deployment		

**RECOMMENDATION:**

That Council endorse the continued collaborative approach between the Public Works and LaSalle Police Department to address traffic relates concerns throughout the Town as they are reported to either department.

That Council defer implementing and further traffic calming until such time as the transportation master plan is completed and the associated traffic calming policy is completed and adopted by Council.

**REPORT:**

This report is prepared in response to a Council question on the cost of speed bump, effectiveness and how they are deployed annually.

Background

The Town initiated purchase and deployment of speed bumps approximately 7 years ago. This was primarily during the construction of the Herb Gray Parkway. Speed bump were purchased and deployed on area roads in an attempt to address traffic concerns resulting from detours for the parkway construcion.

The Town originally purchased 12 sets of speed bumps. The speed bump are installed in the spring and removed just prior to winter. Over the years with the constant installation and removal of the speed bumps, our current stock of speed bumps is at 5 complete sets. The Public Work department has not budgeted for replacing the speed bump and once the current sets are no longer suitable for installation, the practice will be discontinued.

#### Current Deployment Process

Priority deployment is based on Town initiatives and Town run construction projects. For example, a set of speed bump were deployed on Tenth Street and Elmdale during the Todd Lane reconstruction project. Town deployment take priority over residents requests.

Other deployment throughout the Town of the speed bumps has been based on residents requests. We evaluate the request and if multiple requests are received and the area is of concern to Public Works or the Police Department they will be deployed in that area.

In 2018, we are currently have about 24 request for speed bumps, and only 5 sets are available.

#### Effectiveness and Acceptance

We have heard a mixture of success and failure stories with the implementation of speed bumps in neighborhoods.

The most prominent success story is that when they are deployed, they do temporarily reduce speeds in the localized area, however, they are not effective on reducing the traffic volumes. This temporary relief of speed is only experienced when the speed bumps are present from about mid spring to mid fall. The rest of the year traffic concerns remain status quo.

One major concern is that if they are deployed on a particular street, this sometimes pushes some additional traffic to the adjacent streets in the neighborhood and we begin to get calls from residents on neighboring parallel street about traffic concerns. It appears that deployment of speed bumps may just chase the traffic concerns through a particular neighborhood and move it from one street to another.

The decision of where to locate the speed bumps on a particular stretch of road have been a very controversial issue when they are deployed. In most instances, the speed bumps are located at a typical mid-block location away from stop signs and bends in the road and in most instances the residents that get the speed bumps and associated signs placed in front of their house is normally very upset, since they did not express any original concerns relative to traffic.

### Cost for New Speed Bumps

The cost to purchase a new set of speed bumps is approximately \$2,000.00 (+HST). This represents one set of temporary speed bumps to cross the entire road width at one location with the appropriate warning signs.

It should also be noted that there are indirect costs for labor to install and remove the speed bumps. It takes three people about 3-4 hours to install speed bumps and signs in mid spring and three people about 1.5-2 hours to remove everything in mid fall.

We have not budgeted for purchase of new speed bumps in the 2018 budget.

### Moving Forward Strategy

In the last couple of years, traffic related concerns that are received from the public are being addressed collaboratively between the PW and Police dept. Most concerns are first reported to the PW dept. and most relate to speed. Unfortunately, the PW dept. does not do speed enforcement so these concerns are shared with the Police dept. The Police dept. has been deploying their speed monitor signs and trailers in areas of concern and have also been meeting with the residents who expressed the concerns and have also been carrying out directed patrols in problem areas. This approach has been very useful and helpful.

It is recommended that Council endorse the continued collaborative approach between the Public Works and Police Department to address traffic related concerns throughout the Town as they are reported to either department.

Furthermore, the Town will be embarking on an overall Town wide Transportation Master Plan (TMP). The TMP is expected to commence in the next month and take about 12 months to complete. The TMP will be a public process with public meetings and social media outreaches will be carried out for the duration of the project to seek public input. The TMP will not address individual streets in our road network however, it will address the major traffic routes. As part of the TMP, the consultant will be developing and proposing a traffic calming policy.

A traffic calming policy will outline various tools and options along with associated recording of background information, such as speed surveys, prior to implementing traffic calming measures. Speed bumps are just one of more than a dozen approaches for calming traffic and implementation of other options may be more effective given various circumstances. The policy will endeavor to identify measures to implement given the situation and circumstances of any particular street or concern brought forward in the future.

It is recommended that Council defer implementing and further traffic calming until such time as the TMP is completed and the associated traffic calming policy is completed and adopted by Council.



This report has been reviewed and prepared in consultation with the LaSalle Police Department input. It should be further noted that the Police department noted that they are interested in being involved with development of a traffic claming policy and strategy to move forward into the future with.

We are available for any questions.

Respectfully submitted,



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Reviewed by:							
CAO	Treasury	Clerks	Public Works	Planning	Cult. & Rec.	Building	Fire
							