

RPT 20-242

TITLE: Speed Signage
DATE: June 8, 2020
TO: Executive Committee
PUBLIC: X **INCAMERA:**

RECOMMENDATION:

1. To receive as information and file

TOPIC & PURPOSE:

Council requested the purchase of 8 speed alert signs in the 2020 budget and more information with regards to the intent of these speed alert signs are required before a purchase can be made to ensure that the purchased items match Council's wishes.

PROPOSED APPROACH AND RATIONALE:

There are now many options that can be utilized for speed alert signage. There are however a number matters that must be considered in the purchase.

It is administrations understanding that Council wished to have these signs portable, so that they could move around to different locations around the City. There are a couple of different options available for this with varying degrees of portability.

Staffing

One thing that is a limiting factor with all portable signs is the staff time to move these signs around. Current staff is already very busy with other work in the sign shop and traffic shop and these units can take anywhere from half a day to a full day to move, and with eight signs this is a significant amount of labour. Therefore, it is proposed that in order to conserve staff time and to ensure that they actually are moved to high priority locations, that each unit be moved twice a year. Moving the units around twice a year would allow for 16 locations every year and 80 locations in 5 years within current staffing levels. The units would be moved within each ward based on areas our regular monitoring records high speeds and citizen demand. If portability is desired, but moving the units around only twice a year does not seem enough the City would have to look at additional casual staff to move these units around all summer.

Pole Mounted vs Trailer Type

The trailer type portable signage was determined to not be suitable for this project due to the increase chance of vandalism and/or theft. Therefore the units that can be mounted on a street light or pole mounted were chosen as they suited our purpose to be portable, and useful for the long term.

Solar Powered vs. Battery Powered

Portable units can be powered by battery or solar power. In order to ensure that they will continue monitoring throughout the year, the units must be solar powered, so that we are not constantly charging batteries in these units every week.

Remote Monitoring

Remote monitoring is available on some units; however, it is done at a cost. The 7 units that were purchased as part of the school zone traffic calming will cost \$400 per unit per year to maintain the monitoring capabilities. At this time the monitoring capabilities will be renewed on a case by case basis and only when required. Monitoring can be done in conjunction with the display units with our standard road tube counters at no renewal cost. If Council feels that remote monitoring at this cost is an important feature this will be added to the purchase.

FINANCIAL IMPLICATIONS:

The budget for the speed alert signs was set at \$40,000. Initial estimates for cost for the portable speed alert signs are as follows:

- Supplier 1
 - 8 Portable Radar Speed signs with solar panel - \$43,200 plus taxes
 - 8 portable Radar Speed Signs with solar panel plus Bluetooth monitoring - \$45,000
- Supplier 2
 - 8 Portable Radar Speed signs with solar panel - \$43,480 plus taxes
 - 8 portable Radar Speed Signs with solar panel plus Cloud monitoring - \$52,280 plus taxes (plus Annual fee is also required to keep Cloud monitoring capabilities)

Once we have a better idea of what we need to purchase a formal tender process will be started and we may see more competitive pricing due to the bulk purchase of 8 units.

PUBLIC NOTICE:

Public Notice pursuant to Public Notice Bylaw No. 24 of 2015 is not required.

PRESENTATION:

Verbal Presentation by Keri Sapsford, Transportation and Traffic Manager

ATTACHMENTS:

Written by: Keri Sapsford, Transportation and Traffic Manager

Approved by: Director of Public Works & City Manager