

# Councillor Request Inquiry

## #23-2020

2020

### Lights on Granada Blvd

**Please provide any available information on the cost associated with a right turn signal from Sherwood Drive northbound to eastbound Granada while westbound Granada left hand turn signal to southbound Sherwood Drive is operational. Also, provide any available information on what impacts would that signal have to the intersection.**

As requested by Councillor Anderson at the October 20 Priorities Committee meeting, Transportation Planning and Engineering has reviewed the Information Request regarding Lights on Granada Blvd and specifically, the addition of a protected right-turn signal to the existing signalized intersection at Sherwood Drive northbound to the Granada Boulevard eastbound intersection.

Based on current signal operations and infrastructure at the intersection, several upgrades and infrastructure upgrades would be required in order to complete the requested signal changes. A summary of the cost estimates and required infrastructure is as follows:

Supply and install four-section signal	\$2,300.00
Traffic cabinet upgrade to accommodate non-standard signal phase	\$30,300.00
Electrical works	\$1,500.00
Trenching and sidewalk repair	\$9,200.00
Contingency for unknown underground and field related issues (25%)	\$10,825.00
Total	\$54,125.00

The Sherwood Drive and Granada Boulevard intersection is a key intersection for the Centre in the Park (CITP) area and is known to have concerns related to transportation safety and specifically, pedestrian safety. In 2018, through a detailed multi-disciplinary in-service road safety review, areas of concern were identified for safety, including driver compliance with red lights. In recognition of this challenge, three intersection safety devices were added as an interim safety measure to address driver behaviour and compliance with traffic laws.

While the enforcement effects of the intersection safety devices are well known to improve driver behaviour, the long-term plan for the intersection includes geometric changes and improvements to reflect the recently approved CITP Area Redevelopment Plan (ARP) concepts. As a result, a 2021 capital project has been prepared for Council consideration at the upcoming capital budget review. If approved, this project will review and redesign the intersection to better manage all forms and modes of travel, while considering the recommendations from the CITP ARP. The capital construction would be proposed in 2022 based on the design work being completed in 2021. There is a strong possibility that any improvements undertaken related to this request would no longer be required in 2022.

If this change were to be implemented, it would be the only intersection to have an advance right turn signal in combination with marked pedestrian crossings. The signal installation would not impact any other movements in the intersection, and would add between 7 and 15 seconds of protected right turn green time per signal cycle (2 minutes 20 seconds) depending on traffic volumes and time of day.

Should you wish to discuss this matter further, you may contact Kevin Cole, Director at 780-400-3881 or [kevin.cole@strathcona.ca](mailto:kevin.cole@strathcona.ca).