

Subject Matter: 50 Avenue (Highway 17) and 67 Street Intersection Improvements – Speed Limit Changes

Department: Office of the City Clerk

Presented By: Glenn Alford

GPC Meeting Date: January 15, 2024

Topic: 50 Avenue (Highway 17) and 67 Street Intersection Improvements and speed limit zone adjustments.

Background: The 50 Avenue (Highway 17) and 67 Street Intersection Improvements project consisted of major upgrades to the lane configuration and physical layout of the intersection followed by the installation of new traffic signals to increase the lighting of the intersection, to improve the level of service, and to improve safety for all directions of traffic.

As such, to accommodate the newly installed traffic signals and intersection geometry changes, speed limit changes are required to ensure safe stopping distances leading up to the new traffic signals from all directions.

Currently the speed limits through the intersection along 50 Avenue (Highway 17) and 67 Street are 70km/h and 80km/h, respectively. The traffic signals are designed such that the speed limit through the intersection is 60km/h in all directions. As such, with the implementation of new speed limit zones, adjustments to the current Traffic Bylaw 05-2021 are required to align with the as constructed infrastructure.

Objective: Speed limit adjustments are required with the implementation of traffic signals and will improve the safety of the intersection's operation.

Options:

1. That the Committee accept this report as information and that the item be brought forward to a future Regular Council meeting for decision.

Alignment with Strategic Plan: This item is in alignment with the following strategic area: Managing our Environment and Infrastructure. These upgrades address safety concerns around the intersection and improve traffic flow across 50 Avenue (Highway 17) at 67 Street.

Governance Implications: For the implementation of new traffic signals, an amendment to Traffic Bylaw 05-2021 is required.

The amendment entails:

- Amendment of the seventy (70) kilometre per hour Speed Zone to a sixty (60) kilometres per hour Speed Zone on 50 Avenue from 1,800 metres North of Highway 16 to North City Limits.

- Amendment of a sixty (60) kilometre per hour Speed Zone on 67 Street from 550 metres East of 62 Avenue to 62 Avenue to read "...67 Street from 250 metres East of 50 Avenue to 62 Avenue".
- Amendment of the eighty (80) kilometre per hour Speed Zone on 67 Street from 40 Avenue to 550 metres East of 62 Avenue to read "...67 Street from 40 Avenue to 250 metres East of 50 Avenue".

Administration anticipates presenting the Traffic Bylaw No. 5-2021 - Speed Limit Zone Amendment for first reading during a future Regular Council Meeting for Council's consideration.

Budget/Financial Implications: The costs associated with the speed limit adjustments are anticipated to be within the 2023 Capital Budget for Project No.:2213629. Details regarding the budget breakdown will be brought forward to the January 22, 2024, Regular Council Meeting.

Environmental Implications: N/A

Report Approval Details

Document Title:	Text Amendment to Traffic Bylaw 05-2021.docx
Attachments:	- Bylaw XX-2024 Amending Bylaw to Bylaw No. 05-2021 Traffic Bylaw.docx
Final Approval Date:	Jan 9, 2024

This report and all of its attachments were approved and signed as outlined below:

Doug Rodwell

Dion Pollard