

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF APRIL 11, 2018

Item 11, Report No. 14, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on April 11, 2018.

11 REQUEST FOR CONSTRUCTION NOISE EXEMPTION - HANLAN ROAD – WATERMAIN REPLACEMENT AND ROAD REHABILITATION

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Deputy City Manager, Community Services, dated April 4, 2018:

Purpose

This report is to seek Council approval of a staff request for a noise exemption to By-law 96-2006, as amended, for the City of Vaughan Infrastructure Delivery Project No. 18- 07RW for watermain replacement and road rehabilitation on Hanlan Road, for the period of May 22 to November 30, 2018 and April 15 to August 16, 2019.

Recommendations

1. That City staff and the construction supervisor (the Applicants), be granted a noise exemption, in accordance with the City's Noise Control By-law 96-2006, as amended, for the purposes of for watermain replacement and road rehabilitation on Hanlan Road, for the period of May 22 to November 30, 2018 and April 15 to August 16, 2019 allowing a 24-hour work period; and
2. That this request for extension be granted with the following conditions:
 - a) That construction communication notices be sent to surrounding residents and business owners within a 60-metre radius, in keeping with City standards, advising them of the impending work;
 - b) That the construction communication notices to residents and business owners include contact information for the Applicants;
 - c) That the Applicants monitor and investigate any complaints regarding construction noise;
 - d) That the Applicants take measures to minimize any unnecessary noise, including but not limited to idling of construction vehicles, unnecessary revving of engines, use of airbrakes, and to maintain equipment in good working order (including muffling devices) to minimize noise impacts; and
 - e) That no construction takes place on Statutory Holidays.

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Report Highlights

- A noise exemption from By-law 96-2006, as amended, is being requested for a City of Vaughan Infrastructure Delivery Project for watermain replacement and road rehabilitation on Hanlan Road, for the period of May 22 to November 30, 2018 and April 15 to August 16, 2019.
- This project supports the City of Vaughan Term of Council priorities to invest, renew and manage infrastructure and assets and continue to ensure the safety and well-being of citizens.

Background

Legislation

The City of Vaughan's Noise Control By-law No. 96-2006, as amended, prohibits noise created from the use of "construction equipment" as defined, between the hours of 7:00 pm of one day to 7:00 am the following day and on Sundays and statutory holidays.

Any noise created by construction activity during these prescribed hours requires an exemption to the provisions of the By-law. Exemption requests for construction noise are governed by the By-law provisions of Section 19, Exemption – Construction.

The Director, By-law and Compliance, Licensing and Permit Services (BCLPS) has the authority to grant noise exemptions for construction work up to 90 days; this project's request exceeds the 90-day period.

Watermain replacement and road rehabilitation

As part of the City's commitment to maintaining a safe and reliable drinking water distribution network, the replacement of the aging watermain on Hanlan Road area will ensure continued uninterrupted supply of high quality potable water to all residential, industrial, commercial and institutional customers.

In February of this year, the City is planning to issue a tender for Infrastructure Delivery Project No. 18-07RW to retain a qualified Contractor to complete the construction of the watermain replacement and road rehabilitation on Hanlan Road area between May 22 to November 30, 2018 and April 15 to August 16, 2019.

This section of the roadway has many commercial and mixed-use properties which will be impacted. This project will entail conventional open cut excavation and road rehabilitation, utilizing heavy construction equipment including excavators, loaders and dump trucks. These works are expected to produce noise levels which average in

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the range of 90 decibels, a volume comparable to a large riding lawnmower, and will necessitate periodic disruptions to water service and multiple lane closures.

Requested work period

To mitigate water service and traffic disruption, City staff are requesting a 24-hour work period, in order to schedule activities when they would least impact the community.

Stakeholder engagement

In line with current practices, the City will distribute the standard watermain newsletter to impacted residents, businesses and other stakeholders in advance of the project's start, as well as distribute additional construction notices at least 48 hours in advance of any night-time work or watermain shutdowns. Communications will be finalized upon awarding the contract to the successful Contractor, and will include contact information for both the City staff and the Contractor.

Previous Reports/Authority

Noise Control By-law: [96-2006](#) | [207-2007](#)

Analysis and Options

This project supports the City of Vaughan Term of Council priorities to invest, renew and manage infrastructure and assets and continue to ensure Continue to ensure the safety and well-being of citizens.

Noise Mitigation

The City and construction supervisor will comply with standard noise exemption mitigation measures, including that they minimize idling of construction vehicles, avoid unnecessary revving of engines, use of airbrakes, as well as the requirement to maintain equipment in good working order (including the use of muffling devices) to minimize noise impacts.

In addition, the construction supervisor will undertake the following additional activities:

- scheduling water service disruption overnight where possible to minimize impacts to all commercial businesses;
- scheduling activities such as roadway milling, pulverizing and paving works require multiple lane closures overnight to minimize the disruption to traffic;
- excavating, shoring and exposing the existing watermain during the daytime hours in advance of any planned overnight work, to minimize the duration of nighttime work.

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- staging the work to avoid the need for construction vehicles of having to backup and potentially activate the reverse warning alarms on the equipment;
- use of “unshrinkable fill” for all excavations, to eliminate the need for any vibratory compaction equipment during the nighttime work; and
- engaging businesses to ensure that work accommodates their needs as much as is reasonably possible.

Financial Impact

Adoption of this noise exemption has no economic impact for the City.

Conclusion

Staff believe that the noise exemption for this City of Vaughan Infrastructure Delivery Project should be endorsed by Council pursuant to the recommendations set out in this report.

For more information, please contact: Gus Michaels, Director, By-law & Compliance, Licensing & Permit Services, ext. 8735.

Attachments

1. Project map

Prepared by

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(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)