

Committee of the Whole (1) Report

DATE: Tuesday, November 28, 2023

WARD: 1

TITLE: KIRBY ROAD – TEMPORARY ROAD CLOSURE FROM
HUNTINGTON ROAD TO 6901 KIRBY ROAD

FROM:

Vince Musacchio, Deputy City Manager, Infrastructure Development

ACTION: DECISION

Purpose

To seek Council's approval for the temporary closure of Kirby Road from Huntington Road to 6901 Kirby Road to facilitate the reconstruction of the slope supporting Kirby Road.

Report Highlights

- The temporary closure of Kirby Road, from Huntington Road to 6901 Kirby Road, to facilitate the reconstruction of the slope supporting Kirby Road.
- The section of Kirby Road, from Huntington Road to 6901 Kirby Road, is a two-lane rural collector road located on a high slope embankment.
- Sections of the Kirby Road embankment, in the vicinity of 6901 Kirby Road, are showing signs of distress, resulting in unstable and potentially unsafe road conditions.
- A section of Kirby Road, approximately 500m in length, will need to be closed from December 18, 2023 to August 31, 2024, to allow for the remedial measures to be undertaken in a safe and efficient manner.

Recommendations

1. That Council approve the proposed temporary road closure of Kirby Road, from Huntington Road to 6901 Kirby Road, to facilitate the reconstruction; and
2. That the necessary By-law be enacted authorizing the temporary road closure of Kirby Road, for the period from December 18, 2023 to August 31, 2024.

Background

In summer 2022, during their routine road patrols, the City's Transportation and Fleet Management Services Department, identified cracks along the paved shoulder, along the top of the embankment of Kirby Road, at approximately 400m west of Huntington Road. This section of Kirby Road is located on a high embankment with steep slopes. In 2008, the City completed slope rehabilitation work immediately east of the current identified location.

The concerns of the potential slope failure at the subject reach of Kirby Road were subsequently brought to Infrastructure Delivery Department's attention. Upon receiving the concerns, Infrastructure Delivery engaged the services of geotechnical consultants to monitor and assess the slope conditions in summer 2022. Following the engineering assessment, interim slope protection measures were implemented, and the site was continuously being monitored while a workplan to address the road condition was being formulated. In spring 2023, the City engaged the services of Accardi Schaeffers Consulting to undertake the detailed design and provide construction administration services for the proposed work.

The construction tender is expected to be awarded in early January 2024. To facilitate the proposed construction work to be undertaken in a safe and timely manner and considering the safety of the road users, Kirby Road will be required to be temporarily closed from Huntington Road to 6901 Kirby Road.

Previous Reports/Authority

There are no prior reports.

Analysis and Options

Due to the extent of the proposed construction works, Kirby Road will be required to be temporarily closed from Huntington Road to 6901 Kirby Road. As there is no property access located within the proposed road closure zone, no property will be directly affected by the proposed temporary road closure. Current properties on Kirby Road, west of the proposed closure, can be accessed from Cold Creek Road.

A communication plan will be in place and written notification of the temporary road closure will be prepared and circulated to the area property owners and project stakeholders, including emergency public service agencies (police, fire, and ambulance) and the Region of York. Service Vaughan will be provided with information regarding the temporary road closure and associated contact information to effectively respond to enquiries from the public.

The temporary road closure is tentatively scheduled from December 18, 2023 to August 31, 2024. The early closure prior to commencement of the actual construction is intended for public safety and to protect the slopes from potential failure resulting from any snow clearing operations. Appropriate roadside signage and detour routes will be posted on the surrounding roads, based on the traffic management plan, a minimum of two weeks prior to the temporary road closure, as a means of informing the public of the temporary road closure. The placement of the roadside construction and detour signage will be in accordance with the Ontario Traffic Manual, Book 7.

Financial Impact

All costs associated with the proposed road closure will be accommodated within the approved project budget.

Operational Impact

Transportation and Fleet Management Services and Environmental Services were consulted in establishing the workplan as well as the proposed road closure and detours.

Broader Regional Impacts/Considerations

The proposed road closure, traffic management and detour plan has been coordinated with York Region.

Conclusion

To safely facilitate the reconstruction of the Kirby Road embankment at the noted location, it is recommended that a temporary road closure of Kirby Road from Huntington Road to 6901 Kirby Road be in place. The temporary closure is tentatively scheduled for the period from December 18, 2023, to August 31, 2024, inclusive.

A comprehensive communication plan will be implemented to inform all stakeholders of this temporary road closure and the detour routes as set out in this report. In addition, Infrastructure Delivery staff will monitor construction activities to ensure the work is completed in a timely and safe manner.

For more information, please contact: Mohan Toor, Acting Director, Infrastructure Delivery, Ext. 8144.

Attachment

1. Key Plan.

Prepared by

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In Consultation with

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Approved by



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Reviewed by



Nick Spensieri, City Manager