

COMMITTEE OF THE WHOLE - OCTOBER 4, 2004

LOAD RESTRICTION BY-LAW ON BRIDGE NO. 014401, HUMBER RIVER, KING-VAUGHAN ROAD

Recommendation

The Commissioner of Engineering and Public Works recommends:

1. That a by-law be enacted on the existing concrete bridge being Bridge No. 014401, Humber River on King-Vaughan Road approximately 1.0 km west of Kipling Avenue to limit the loading to 12 tonnes; and
2. That the by-law be in effect for a period of 2 years.

Purpose

To pass a by-law to impose a load restriction on an existing concrete bridge for a period of two years.

Background - Analysis and Options

The Humber River Bridge in Lot 35, Concession VIII (Bridge No. 014401) is located on King-Vaughan Road over the Humber River approximately 1.0 kilometre west of Kipling Avenue. (See Attachment No.1).

The existing bridge was constructed in 1920 and is a 13.7 metre single span earth filled concrete arch bridge with a concrete deck and surface treated wearing surface. The bridge provides a roadway width of 3.7 metres and accommodates a single lane for two (2) way vehicular traffic.

Based on the Municipal Structures Inventory and Inspection Study, circa 2004, completed by Totten Sims Hubicki Associates, the 12 tonne load limit currently posted is recommended to remain in effect.

The current Bylaw expires in November of 2004 and a new by-law is required for it's renewal.

Relationship to Vaughan Vision 2007

This report is consistent with the priorities previously set by Council and the necessary resources have been allocated and approved.

Conclusion

A load limit by-law is required to renew a load restriction of 12 tonnes for a period of 2 years.

Attachments

1. Location Map

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Respectfully submitted,

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DB:mc

ATTACHMENT No. 1

