

COMMITTEE OF THE WHOLE – OCTOBER 21, 2002

LOAD RESTRICTION BY-LAW ON KING-VAUGHAN ROAD

Recommendation

The Commissioner of Engineering and Public Works recommends:

1. That a by-law be enacted by the City of Vaughan to limit the loading to 12 tonnes on the existing concrete bridge on King-Vaughan Road approximately 1.0km west of Kipling Avenue; and
2. That the by-law be in effect for a period of 2 years.

Purpose

To pass a by-law to impose load restriction for two years.

Background - Analysis and Options

The Humber River Bridge in Lot 35, Concession VIII (Bridge Inventory 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, which was constructed in 1920, is a 13.7 metre single span earth filled concrete arch bridge with a concrete deck and a surface treated wearing surface. The bridge provides a roadway width of 3.7 metres and accommodates a single lane for both way vehicular traffic. Due to the condition of the bridge, a 12 tonnes load limit is currently posted.

Based on the Municipal Structures Improvement Priority Program – 2002 recently completed by Totten Sims Hubicki Associates for the City, a Bylaw is required for the enforcement of the posted load limit on this structure. The load restriction has to be reviewed every two years

Conclusion

A load limit by-law is required to impose 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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PM:MC

ATTACHMENT No. 1

