

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF SEPTEMBER 25, 2012

Item 39, Report No. 33, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on September 25, 2012.

39

**LOAD RESTRICTION BY-LAW ON BRIDGE NO. 008601
HUMBER RIVER, WEST BRANCH
WARD 1**

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Commissioner of Engineering and Public Works, dated September 4, 2012:

Recommendation

The Commissioner of Engineering and Public Works recommends:

1. That a by-law be enacted on the existing concrete bridge, being Bridge No. 008601, (Humber River, West Branch on Humber Bridge Trail, approximately 0.2 km east of Highway No. 27), to limit the loading to 5 tonnes; and
2. That the by-law be in effect for a period of 1 year.

Contribution to Sustainability

Not Applicable.

Economic Impact

There is no additional economic impact to the City of Vaughan, as the necessary resources have been allocated and approved.

Communications Plan

A Communications Plan is not required for this activity.

Purpose

To pass a by-law to impose a load restriction on an existing concrete bridge for a period of 1 year, in accordance with regulations under the Highway Traffic Act (Section 123(2)) and the Bridges Act (Section 2).

Background - Analysis and Options

The Humber River, West Branch Bridge (Bridge No. 008601) is located on Humber Bridge Trail, approximately 0.2 km east of Highway No. 27. (See Attachment No.1).

The existing bridge was constructed in 1914 and is an 18.3 metre single span cast in place concrete bowstring arch bridge with a concrete deck and wearing surface. The bridge provides a roadway width of 3.7 metres and accommodates a single lane for two way vehicular traffic.

Regulations under the Highway Traffic Act (Section 123(2)) and the Bridges Act (Section 2) requires the City to ensure that the bridges are kept safe and in good repair. This requirement is completed through the performance of regular biennial structure inspections in accordance with the Ontario Structure Inspection Manual. Under these regulations, municipalities are still responsible for passing load limit by-laws. In place of the Ministry of Transportation of Ontario review, the engineering recommendations to support the load limit and the duration for which it is valid, must now be stamped by two professional engineers.

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF SEPTEMBER 25, 2012

Item 39, CW Report No. 33 – Page 2

Based on our most recent inspection of the structure, in 2012, completed by AECOM, the 5 tonnes load limit currently posted is recommended to remain in effect.

The current By-law has expired and a new by-law is required for renewal and continued enforcement of the posted load limit on this structure.

Relationship to Vaughan Vision 2020/Strategic Plan

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommendations of the report will assist in enhancing and maintaining community safety, health and wellbeing, by ensuring that an appropriate level of service for bridge conditions are maintained for the citizens of Vaughan.

Regional Implications

There are no Regional Implications for this activity.

Conclusion

A load limit by-law is required to renew a load restriction of 5 tonnes for a period of 1 year in accordance with regulations under the Highway Traffic Act (Section 123(2)) and the Bridges Act (Section 2).

Attachments

1. Location Map

Report prepared by:

Vince Musacchio, P. Eng., PMP, Manager of Capital Planning and Infrastructure, ext. 8311

VM:mc

(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.)

COMMITTEE OF THE WHOLE – SEPTEMBER 4, 2012

LOAD RESTRICTION BY-LAW ON BRIDGE NO. 008601 HUMBER RIVER, WEST BRANCH WARD 1

Recommendation

The Commissioner of Engineering and Public Works recommends:

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2. That the by-law be in effect for a period of 1 year.

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Not Applicable.

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Respectfully submitted,

Paul Jankowski, P. Eng.
Commissioner of Engineering and Public Works

Jack Graziosi, P. Eng.
Director of Engineering Services


VM:mc

ATTACHMENT No. 1



LOAD RESTRICTIONS BY-LAW BRIDGE No. 008601 HUMBER RIVER WEST BRANCH

LEGEND

 SUBJECT BRIDGE

LOCATION: Part of Lots 20 & 21,
Concession 8

Note: Aerial photography acquired in spring, 2011

