

## **COMMITTEE OF THE WHOLE OCTOBER 11, 2005**

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

#### **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 2 years.

#### **Economic Impact**

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

#### **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, 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 (2) way vehicular traffic.

Based on the Municipal Structures Inventory and Inspection Study, circa 2004, completed by Totten Sims Hubicki Associates, the 5 tonnes load limit currently posted is recommended to remain in effect.

The current Bylaw expires in September of 2005 and a new by-law is required for renewal and continued enforcement of the posted load limit on this structure.

#### **Relationship to Vaughan Vision 2007**

This report is consistent with the priorities previously set by Council.

#### **Conclusion**

A load limit by-law is required to impose a load restriction of 5 tonnes for a period of 2 years on Bridge No. 008601, Humber River, West Branch on Humber Bridge Trail.

#### **Attachments**

1. Location Map

**Report prepared by:**

Denny S. Boskovski, C.E.T., Infrastructure Management Systems Supervisor, ext. 3105

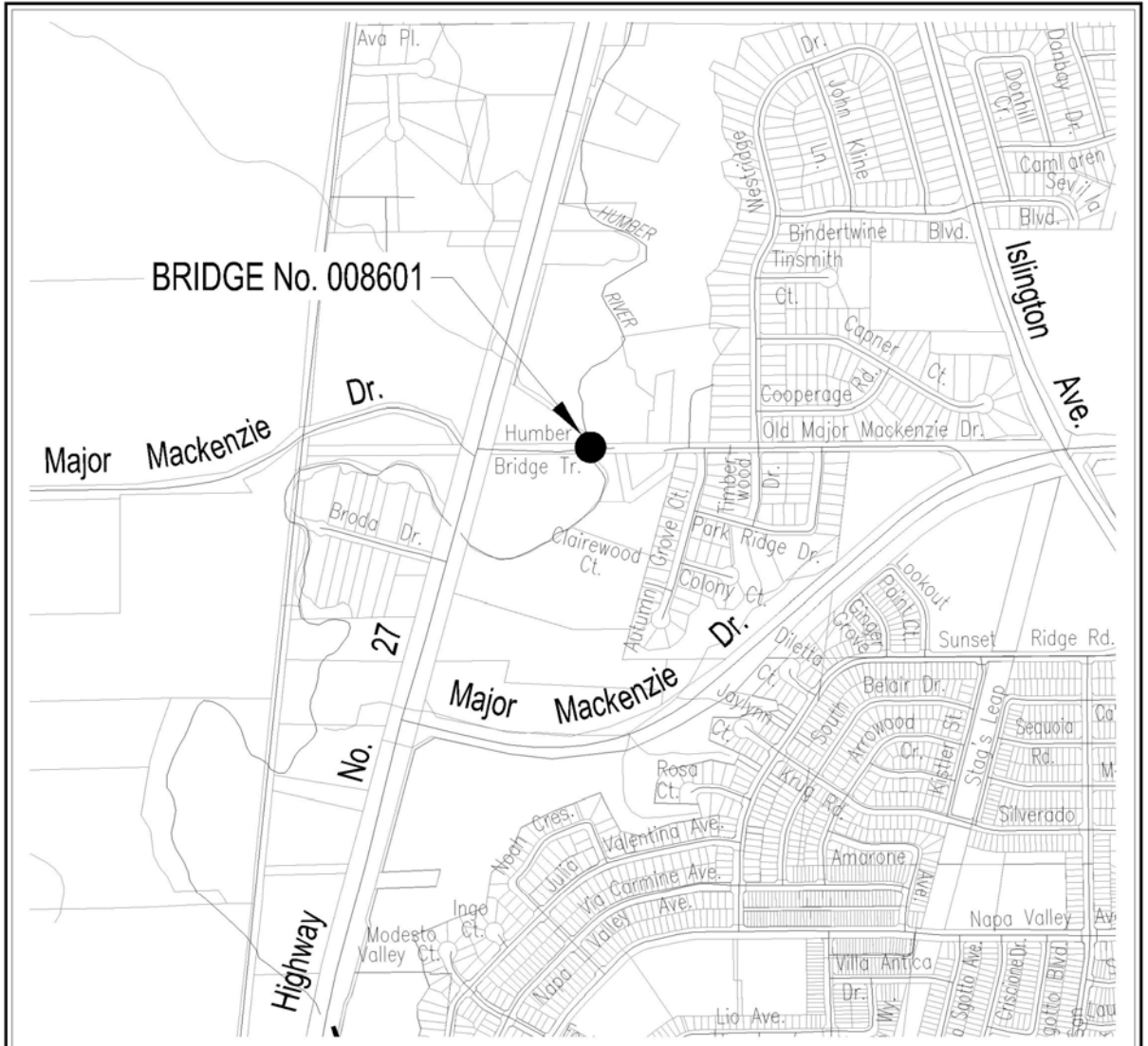
Respectfully submitted,

Bill Robinson, P. Eng.  
Commissioner of Engineering and Public Works

Gary Carroll, P. Eng.  
Director of Engineering Services

DB:mc

# ATTACHMENT No. 1

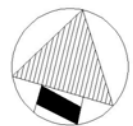


**LOAD RESTRICTIONS BY-LAW  
BRIDGE No. 008601  
HUMBER RIVER WEST BRANCH**

LOCATION : Part of Lots 20 & 21,  
Concession 8

**LEGEND**

● SUBJECT BRIDGE



NOT TO SCALE