

Presented To:	Operations Committee
Presented:	Monday, Jan 18, 2016
Report Date	Monday, Jan 04, 2016
Type:	Managers' Reports

Request for Decision

Consolidation of Bridge Load Restriction Bylaws

Recommendation

THAT bylaws 2006-250, 2007-145, 2008-86 and 2008-268, which govern load restrictions on four separate bridges be repealed and all bridge load restrictions be consolidated into one bylaw;

AND THAT the Roberts River Bridge on Ironside Lake Road in Capreol be posted with a maximum load limit;

AND THAT the Finland Creek Bridge on Balsam Street in Copper Cliff be posted with a maximum load limit;

AND THAT the posting for the Spanish River Bridge on Spanish River Road be revised from a triple load posting to a single load posting;

AND THAT the posting for the Kalmo Road Bridge on Kalmo Road be revised from a single load limit of 15 tonnes to a single load limit of 13 tonnes;

All in accordance with the recommendations from the report dated January 4, 2016 from the General Manager of Infrastructure Services.

Signed By

Report Prepared By

Stephen Holmes
Roads Engineer
Digitally Signed Jan 4, 16

Division Review

David Shelsted
Director of Roads & Transportation
Services
Digitally Signed Jan 4, 16

Recommended by the Department

Tony Cecutti
General Manager of Infrastructure
Services
Digitally Signed Jan 4, 16

Recommended by the C.A.O.

Kevin Fowke
Acting Chief Administrative Officer
Digitally Signed Jan 5, 16

Background

This report has been prepared to consolidate existing bridge load restrictions into one bylaw and to add two new bridge load restrictions to the bylaw.

There are currently four separate bylaws which restrict loads on the following bridges:

Bylaw 2006-250 which restricts the load on the Vermilion River Bridge located on Moose Mountain Mine Road in Capreol to a triple load posting of 19 tonnes (single vehicle), 30 tonnes (tractor and trailer) and 42 tonnes (tractor and two trailers).

Bylaw 2007-145 which restricts the load on the Spanish River Bridge on Spanish River Road to a triple load posting of 23 tonnes (single vehicle), 36 tonnes (tractor and trailer) and 50 tonnes (tractor and two trailers).

Bylaw 2008-86 which restricts the load on the Romford Creek Bridge on William Avenue in Coniston to a triple load posting of 8 tonnes (single vehicle), 14 tonnes (tractor and trailer) and 19 tonnes (tractor and two trailers).

Bylaw 2008-268 which restricts the load on the Kalmo Road Bridge on Kalmo Road in Hanmer to a single load posting of 15 tonnes.

The City retains a Structural Engineer to perform biennial inspections of all 164 City bridges as required by Ontario Regulation 104/97 Standards for Bridges. The Engineer recommended a structural analysis of the Finland Creek Bridge on Balsam Street in Copper Cliff and the Roberts River Bridge on Ironside Lake Road in Capreol. The following postings were recommended as a result of the analysis:

- The Roberts River Bridge on Ironside Lake Road in Capreol be signed with a triple load posting of 14 tonnes (single vehicle), 25 tonnes (tractor and trailer) and 35 tonnes (tractor and two trailers);
- And the Finland Creek Bridge on Balsam Street in Copper Cliff be signed with a triple load posting of 16 tonnes (single vehicle), 28 tonnes (tractor and trailer) and 40 tonnes (tractor and two trailers).

At the request of staff, after a vehicle impact on the Spanish River Bridge, an inspection by a Structural Engineer was requested to review the bridge structure. The Engineer recommended removal of the triple load posting and replacement with a single load posting of 15 tonnes. The revised load restriction signs are posted.

Also at the request of staff, after ice buildup on the Kalmo Road Bridge, an inspection by a Structural Engineer was requested to review the bridge structure. The Engineer recommended a maximum single load posting of 13 tonnes. The bridge is currently posted with a maximum single load posting of 10 tonnes.

Staff recommends repeal of the existing bridge load restriction bylaws and consolidation of the load restrictions into one bylaw, and the revision of the load restriction to the Spanish River Bridge and Kalmo Road Bridge, and addition of the load restrictions to the Roberts River Bridge, and the Finland Creek Bridge into the new bylaw as detailed above.

A draft of the proposed new bylaw is attached to this report.

By-Law 2015-*

A By-law of the City of Greater Sudbury to Limit the Weight of Vehicles on Certain Bridges in the City of Greater Sudbury

Whereas section 123(2) of the *Highway Traffic Act*, R.S.O. 1990, c. H.8 as amended, allows municipalities to pass by-laws limiting the gross weight of any vehicle or any class thereof passing over a bridge;

And Whereas the Council of the City of Greater Sudbury deems it desirable to limit the gross vehicle weight of any vehicle or class thereof passing over certain bridges in the City of Greater Sudbury;

Now Therefore, the Council of the City of Greater Sudbury Hereby Enacts as Follows:

Load Limit – Any Number or Combination

1. No person shall move a vehicle or combination of vehicles on, over or upon the Bridge identified in Column A in Schedule A attached to and forming a part of this By-law, if the gross weight of the vehicle or combination of vehicles exceeds the maximum load set out for that bridge on the same line in Column B of Schedule A attached hereto.

Load Limits by Number and Combination

2. No person shall move a vehicle or combination of vehicles on, over or upon the bridge identified in Column A in Schedule B attached to and forming a part of this By-law, if the gross weight of the vehicle or combination of vehicles exceeds the maximum load for that bridge for the number or combination of vehicles identified in Columns B-1, B-2 or B-3 as set out in Schedule B attached hereto.

Signage

3. The City's General Manager of Infrastructure Services or his or her authorized designate shall arrange to have notice of the limit of the weights posted up in a conspicuous place at each end of each bridge in accordance with this By-law.

Offence

5.-(1) Any person violating Section 1 or Section 2 of this By-law shall be guilty of an offence, and upon conviction is liable to a fine as determined in accordance with section 125 of the *Highway Traffic Act*, R.S.O. 1990, c. H.8 as amended from time to time.

(2) Any person violating Section 4 of this By-law shall be guilty of an offence, and upon conviction is liable to a fine as determined in accordance with the *Highway Traffic Act*, R.S.O. 1990, c. H.8 as amended from time to time.

Repeal

6.-(1) By-laws 2006-250, 2007-145, 2008-86, 2008-268 are hereby repealed

(2) The repeal of any By-law identified in subsection 5(1) does not affect any offence committed against that By-law so repealed or any penalty or forfeiture or punishment incurred in respect thereof; or affect any investigation, legal proceeding or remedy in respect of such privilege, obligation, liability, penalty, forfeiture or punishment.

Effect

7. This By-law shall come into full force and effect upon passage.

Read and Passed in Open Council this * day of *, 2015

_____ - Mayor

_____ - Clerk

Schedule A to By-law 2015-*

Load Restrictions – any Number or Combination of Vehicles

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Column A Bridge - Description	Column B Maximum gross weight of the vehicle or combination of vehicles permitted on the Bridge in Tonnes
Kalmo Road Bridge / Whitson River Bridge -Kalmo Road -0.90 km north of Main Street -CGS Structure Number 3006	13 tonnes
Spanish River Road Bridge -Spanish River Road -3.20 km west of Manninen Road -CGS Structure Number 1000	15 tonnes
Coniston Creek Bridge -Government Road -0.50km east of Second Avenue - CGS Structure Number 5016	6 tonnes

Schedule B to By-law 2015-*

Load Restrictions by Number or Combination of Vehicles

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Column A Bridge - Description	Column B Maximum gross weight of the vehicle or combination of vehicles permitted on the Bridge in Tonnes		
	Column B-1 Single Vehicle Unit	Column B-2 Two Vehicle Unit (such as a Tractor and Trailer)	Column B-3 Three Vehicle Unit (such as a Tractor and Two Trailers)
Finland Creek Bridge -Balsam Street, Copper Cliff -0.05 km north of Finland Street -CGS Structure Number 1019	16 tonnes	28 tonnes	40 tonnes
Roberts River Bridge -Ironside Lake Road, Capreol -0.30 km west of Hwy 806 (MR 84) -CGS Structure Number 4005	14 tonnes	25 tonnes	35 tonnes
Vermillion River Bridge -Moose Mountain Mine Road, Capreol, -0.30 km south of Milnet Road -CGS Structure 4001	19 tonnes	30 tonnes	42 tonnes
Romford Creek Bridge -William Avenue, Coniston -0.03 km south of Nickel Street -CGS Structure 5014	8 tonnes	14 tonnes	19 tonnes