

July 3, 2009

Via: Email/mail

Township of Melancthon
157101 Highway 10
R.R. # 6
Shelburne, Ontario
L0N 1S9

Attention: Alan Braidon

**Re: 5th Sideroad Bridge Damage Caused by Truck
File No. MSO 15058**

Dear Melancthon Township,

On Tuesday June 23rd, 2009 Helen Jenkins met with Alan Braydon on 5th Sideroad of Melancthon. The damages to the bridge caused by the truck were inspected and the relevant photographs are attached below. Although the structures concrete barriers have been severely damaged, the soffit remains in fairly good condition. Therefore, we have decided on the following solutions to create a safe alternative along with an approximate cost for each option:

<u>Option</u>	<u>Cost</u>
1) Replace with new concrete barriers up to code	\$35,000
2) Install temporary concrete barriers until replacement	\$7,500
3) Repair post and rail as is	\$15,000

It is our opinion that 'Option 2 – installing temporary concrete barriers' is the best decision at this time. The existing condition of the wingwalls of the bridge is too poor to allow barrier reconstruction. Installing temporary concrete barriers is recommended until the bridge can be replaced. Repairing the exiting concrete post and rail barriers as is would be expensive and would not be in accordance with current codes of practice.

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In each of these cases the Township could consider the installation of approach guiderail in addition to the barriers; however this has not been included in the above cost estimates.

Given that the structure is due to be replaced, and that the road is not used during the winter months, The Township could also consider only removing the existing barrier and placing traffic control pylons and warning signs instead.

Please inform us with which option you will choose to implement.

Yours truly,

R.J. Burnside & Associates Limited

Helen Jenkins P Eng

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