



ADDENDUM 2

date: October 17th, 2019
to: Jason Brolund, Fire Chief, West Kelowna Fire Rescue,
cc: Steven Gubbels, Design and Inspection Technologist
from: Michael Currie
file #: 5901111
subject: **Consultant Service to Review Proposed Temporary Fire Protection Response Re-alignment during Bridge replacement**

Dear Chief Brolund,

This addendum follows the review of options for emergency service delivery to an area of West Kelowna affected by a bridge replacement project. The City has worked with FUS to determine options for service delivery to the area and considered utilizing a private road and bridge however after review of load capacity, this option has been ruled out.

After determining that the private bridge was not suitable for supporting the load of the primary apparatus, further review and discussion was undertaken around remaining options for service delivery. A new option (Option 5) was tabled and considered. This option would entail creating a separate response protocol to the area with a smaller and lighter vehicle. After review, the fire department has indicated that this option would not be suitable due to the limited effectiveness of the more limited capabilities and carrying capacity of a small light attack apparatus.

Therefore Option 2 has been selected as the preferable option. Option 2 uses a detour route to the affected area for initial response. Notably the increase in response times are not severe and the increase in risk of property loss and injury is reasonable.

As there is a moderate increase in response times associated with Option 2, consideration should be given to:

- a) Providing a letter of notification to all affected property owners and residents of the affected area, to advise them that the service level in the area for emergency response will be slightly delayed during the project. Property owners and residents should take due care and attention to mitigate their risk of fire and accidents during this time. In particular, steps should be taken to ensure all occupied building have working smoke detectors and batteries have been replaced recently.



- b) Developing an emergency evacuation plan for the area and discussing the implications of having a single route out of the area. If there is a significant event (ex. wildfire, flood, ice storm, etc.) that poses a risk to the community and may require evacuation of the affected area, then the evacuation order should be given with adequate advance notice to take into account the increased time to get all residents out along a single route, and with adequate time to evacuate the area should the single egress route be compromised.

Please let us know if there are any questions or comments relating to the findings described in this letter. Thank you for your proactive interest in public fire protection and risk management.

Michael Currie, P.L. (Eng), PMSFPE
Fire Underwriters Survey