



March 22, 2018

Chad Siemens, PMP  
Regional Project Manager  
South Coast Region  
Ministry of Transportation and Infrastructure

Attention: Chad Siemens

Re: Mt Lehman Clearing – Tree Assessment

Dear Chad,

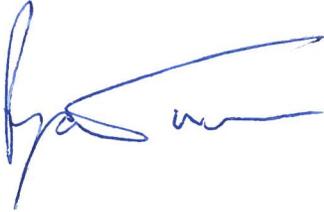
On March 6<sup>th</sup>, 2018, the Ministry of Transportation and Infrastructure (MOTI) requested the services of Chartwell Consultants Ltd. (CCL) to provide tree volume and species estimates for the Mt Lehman Road 4 Laning North of Simpson Road to Airport (YXX) site in Abbotsford, B.C. It is anticipated that the tree volume and species breakdown will be used as part of a tenure application and clearing contract language to facilitate tree cutting and/or transportation.

Ryan Turner of CCL was on site on March 20<sup>th</sup>, 2018 collecting pertinent tree data. Advanced clearing had already occurred on Drawing Numbers R1-850-153, 154, and 155. While tree volumes from stumps were estimated where evident, only tree volumes for standing trees are included in the assessment numbers below. Standing trees exist across all Drawing Numbers (Appendix 1) of the project.

The estimated standing gross merchantable volume of timber within the clearing and grubbing limits of the site is approximately 145.2m<sup>3</sup> from 189 trees. The breakdown was 83% coniferous (120.6m<sup>3</sup> from 146 trees) and 17% deciduous (24.6m<sup>3</sup> from 43 trees). Dominant coniferous species by volume include 75% Douglas-fir and 8% Cedar. Average diameter and height of the dominant coniferous species is 44.5cm DBH and 19.3m tall and range from 20-75cm DBH and 5-30m tall. Dominant deciduous species by volume include 10% Cottonwood and 4% Maple. Average diameter and height of the dominant deciduous species is 40.0cm DBH and 16.3m tall and range from 30-60cm DBH and 8-25m tall. All other species that were present in relatively minor volumes (<4%) include; Alder, Ash, Birch, Cherry, Laurel, and Spruce.

If you require any additional detail or have any questions regarding this tree assessment, please do not hesitate to contact me at 604.973.1132.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Ryan Turner', with a long horizontal stroke extending to the right.

Ryan Turner, RPF, Certified Arborist, Certified Tree Risk Assessor  
Partner / Project Manager  
Chartwell Consultants Ltd.  
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