Attachment B

Annual reduction during weekday peak hour periods of the day (AM/MD/PM)

Estimated Annual Value of Travel Time Savings[1]	**Hours**	**Value of reduction**	
	12956	$	373,000

Estimated Annual Collision Cost Savings[2]	**Reduction**	**Annual Reduction**	**Value of reduction**
	25%-35%	21	$ 1,746,073

Estimated Annual Fuel Reduction & Savings[3]	**Cost**	**Fuel (l)**	**Value of reduction**
	1.19	11375	$ 13,600

Estimated Annual gHge Reduction & Savings[4]	**Cost/Tonne**	**Tonnes**	**Value of reduction**
	30	26	$ 785

Estimated Total Annual Societal Benefit	**$ 2,140,000**

1) Median income in Nanaimo 28.77 (2017). Personal travel VTTS estimated at 50% of hourly median income. Business travel VTTS by surface mode estimated at median gross wage = (sum of the median hourly wage and an estimate of hourly benefits) VTTS= Value of Travel Time Savings.
2) Societal Collision Costs derived from the MoTI - 2012 Update for Microben cost Default Values – $135,577/injury collision, $11,367/property damage only collision.
3) Derived from Synchro measure of effectiveness analysis.
4) Quantity derived from 2.3kg of CO2 / litre of fuel. Proposed 2018 Carbon Tax Rate $30.00/Tonne
www.gov2.bc.ca/documents_library/notices/British_Columbia_Carbon_Tax.pdf