

**ANNUAL AVERAGE DAILY TRAFFIC (AADT)
SELECTED LOCATIONS – ROADS, FERRIES AND TUNNELS**

Annual average daily traffic, abbreviated **AADT**, is a measure used primarily in transportation planning and transportation engineering. Traditionally, it is the total volume of vehicle traffic of a highway or road for a year divided by 365 days. AADT is a useful and simple measurement of how busy the road is.

ROADS	AADT	DATE	SOURCE
Port Mann bridge	120,000	2015	Ministry of Transport
Coquihalla Hwy	17,000	In summer	
Howe Sound	6000*	In summer	TCS estimate, click here
Hope-Princeton Hwy	4,000	In summer	
Fraser Canyon (China Bar tunnel)	4000	In summer	
Third Crossing	5000*	In summer	TCS estimate, click here
Duffy Lake	1100	In summer	

* Estimate only

B C FERRIES - Major routes

Swartz Bay/ Tsawassen	4,763	2015	B C Ferries
Departure Bay/ Horseshoe Bay	3,193	2015	B C Ferries
Duke Point/ Tsewassen	1,671	2015	B C Ferries
Horseshoe Bay/ Langdale	<u>2,903</u>	2015	B C Ferries
Subtotal	12,530		
B C Ferries total	20,943	2015	B C Ferries
B C Ferries total	26,394	2005	
B C Ferries total	24,758	1992	

BC FERRIES – Powell River routes

Earls Cove/ Saltery Bay	452	2015	B C Ferries
Powell river/ Comox	389	2015	B C Ferries

In the summer of 2015 traffic on the Earls/Saltery route spiked to 800 v/day (77%) and on the Powell/Comox route to 550 v/day (41%)

Since 2010 total traffic on B C Ferries is down 7.4%. On the major routes it is down 5.8%. Langdale is down 5.4%, Earls Cove is down 9.1% and Comox 12.6%.

TUNNELS	AADT	LENGTH	
Eisenhower		2.7 km	on Interstate 70
Third crossing	5000*	3.2 km	basis of estimate at
Laerdahl, Norway	1000	24.5 km	up to 5000 v/day
Vidareidl, Faroe Is	500	1.94 km	under the North Sea

* Estimate only

ESTIMATES

The foregoing AADTs include two estimates that are easily compared to similar structures: the Howe Sound road and the Third crossing road and tunnel. How did we come up with those numbers?

The proposed Howe Sound road is simply replacing a ferry trip with a road trip. However, we estimate that the increased ease of travel would cause the traffic to roughly double. The current AADT on the Langdale ferry is 2903. Doubling it would produce traffic of 5806, say 6000 vehicles per day for round figures.

Estimating AADT on the proposed Third Crossing route is more tricky. The two main ferries serving Powell River are those connecting us with Earls Cove and Comox. (We're ignoring the Texada ferry for now).

Combined, Comox and Earl's Cove serve 841 vehicles per day. As we did for the proposed Howe Sound road, we estimate that increased ease of travel would cause that 841 figure to roughly double, producing an AADT of 1682.

However, due to the new access from the interior, we estimate that traffic on the Duffey Lake Road would *explode*, to roughly 5000 vehicles per day, and for the same reason, boost traffic on the Comox ferry.

HISTORY

Note that the AADT for all of B C Ferries increased from 24,758 in 1992 to 26,394 in 2005, but by 2015 had fallen by 21%, to a level below the 1992 figure. The minor routes have fallen even further.

-- **Third Crossing Society, 2015**