



Highway Wilding

Wildlife Monitoring and Research Collaborative
in the Canadian Rocky Mountains

Banff wildlife crossing research by numbers

One - The number of long-term research projects on highway mitigation research

1.7 – Average number of kilometers between wildlife crossing structures on the Trans-Canada Highway (TCH) Phases 1, 2, 3A and 3B

Two - Banff and Yoho National Parks are the only national parks in North America that have a major multi-lane highway running through them

Three – The number of seconds, on average, a vehicle passes on the TCH at 25,000 vehicles per day

Four – The number of phases of TCH twinning (expansion from 2 to 4 lanes) in Banff National Park since 1980

Five - The number of distinct crossing design types in Banff

Six – The number of wildlife overpasses on the TCH after completion of phase 3B in 2013; the most anywhere in the world for one single stretch of highway

Ten – The number of times wolverines have used the Banff crossings (as of February 2012)

10-15 - Percent of phase 1 and 2 twinning project budget dedicated to “environmental mitigations”

15 – The number of years that the Banff research has been conducted so far...

35 – Percent of phase 3A twinning project budget dedicated to “environmental mitigations”

39 – The number of wildlife underpasses on 83 km of the TCH after completion of phase 3B in 2013- the most anywhere in the world for one single stretch of highway

40-45 - Percent of phase 3B twinning project budget dedicated to “environmental mitigations”

50 - The number of miles of TCH in Banff National Park (east gate of Banff National Park to Kicking Horse Pass/B.C. border)

80 – The percent reduction in collisions with all large mammals on the TCH due to fencing and wildlife crossings

83 – The number of kilometres of TCH in Banff National Park (east gate of Banff National Park to Kicking Horse Pass/B.C. border)

95 – The percent reduction in collisions with ungulates (elk, deer, moose, bighorn sheep) on the TCH due to fencing and wildlife crossings

100 - The number of miles of fencing along the TCH in Banff National Park to keep wildlife off the highway and direct them to wildlife crossing structures

166 – The number of kilometres of fencing along the TCH in Banff National Park to keep wildlife off the highway and direct them to wildlife crossing structures

17,000 – The annual average number of vehicles per day on the TCH through Banff National Park (2011 data)

35,000 - The summer average number of vehicles per day on the TCH through Banff National Park (2011 data)

200,000 - The number of times that 11 species of large mammals have been detected using the Banff wildlife crossings as of summer 2011

1950 – Year the two-lane Trans-Canada Highway in Banff National Park was built; since then, it has become a major commercial thoroughfare

1982 – Year the first wildlife crossing structure was installed along the TCH between Banff's east boundary and Sunshine interchange

1988 – Year that 12 wildlife underpasses were completed with 2.4 m high wildlife fencing along the TCH from Banff National Park's east gate to Sunshine interchange

1997 – Year that an additional 12 wildlife crossing structures (2 overpasses and 10 underpasses) were built between Sunshine interchange and Castle Junction

2013 – Year that the TCH in Banff will be fully mitigated with a total of 45 wildlife crossing structures on 83 km of highway

