

Table 1: Summary of Corridor Management

Name	Section Description	RP	Length (km)	Environment	Identified Sites	Typical Issue(s)	Typical Management
Kowai	Springfield to Porters Pass	52.86/12.80 to 76/5.77	16	Upper river valley. Over steepened valley sides. Highway follows Kowai river and then rises to a high point at Porter's Pass. Predominantly farmland, with elevated areas supporting alpine flora.	5.3km West of Springfield 1 km East of Kowai Bluffs Kowai Bluffs The Deviation Porters Pass	Rock fall Underslip Rock fall Rock fall, flow, underslip Rock fall, flow, underslip	Rock fall monitoring Riverbank and embankment inspections General and routine maintenance of catch ditches
Castle Hill Basin	Porters Pass to Cornishman's Rise	76/5.77 to 121/2.50	42	Alpine basin with several river crossings. Generally flatter terrain with some steep cut embankments present. Alpine vegetation, pasture and bush.	Craigieburn Cutting Craigieburn Stream Flock Hill Lake Pearson	Rock fall, landslide River scour below road Rockfall, slumping Localised flooding	Rock fall monitoring Riverbank inspections Traffic management Flood monitoring and response management
Waimakariri	Cornishman's Rise to Bealey Bridge	121/2.50 to 136/0.00	13	Road is formed on a steep hill slope overlooking and adjacent to the Waimakariri River. A number of large cuttings are present, with slopes below the road also being steep. Some bush, otherwise alpine vegetation and wilding trees.	Cornishman's Rise & Waimakariri Bluffs Paddy's Bend West of Paddy's 350m East of the Poplars Bealey Spur Waimakariri Bridge to Klondyke Corner (southern)	Rockfall, underslips Rockfall Rockfall, underslips Localised flooding Rockfall, colluvial instability Flooding, scour of road embankments	Rockfall monitoring Riverbank and embankment inspections Flood monitoring and response management Traffic management
Bealey	Bealey Bridge to Arthur's Pass	136/0.00 to 145/1.06	10	Road passes over Waimakariri River and is then undulates across steep, hill slopes that overlook the Bealey River. Sub alpine to alpine. Generally native bush covered slopes.	Waimakariri Bridge to Klondyke Corner (northern) Public Shelter Mingha Bluff to Rough Ck	Flooding, scour of road embankments Rockfall Rockfall, underslips, soil slippage	Rock fall monitoring Riverbank inspections Traffic management Flood monitoring and response management
Otira	Arthur's Pass to Aickens	145/1.06 to 159/11.28	24	Steep alpine slopes generally descending to a broader, more gently sloping river valley. Some narrow and very winding sections of road. Dense temperate rainforest on slopes	Arthur's Pass to McGrath's Corner McGrath's Corner White's Bridge Pegleg Hill Otira Gorge Otira A, B and C Below Starvation Point & Windy Point Wallace Point & Yorkeys Point Big Slip Bridge to Aickens	Rock fall and vegetation instability Rock fall, landslide Rock fall Rock fall Rock fall, debris flow Rock fall Debris flow, rock fall Rock fall, debris flow, landslide Debris flow	Rock fall monitoring Flood and storm management Traffic management Pavement monitoring