

STATEMENT showing DISTANCES and GRADES by various Routes.

Route.	Alternative Grades.	Distance : Christchurch to Brunerton.		Distance : Rolleston to Brunerton.		Length of Railway to Make.	Summit Level of Dividing Range where Crossed.	Height of Formation at Highest Point.	Length of Summit Tunnel.		Length of 1 in 7 Gradients.		Length of 1 in 15 Gradients.		Length of 1 in 33 Gradients.		Remarks.
		M. Ch.	M. Ch.	M. Ch.	M. Ch.				M. Ch.	M. Ch.	M. Ch.	M. Ch.	M. Ch.	M. Ch.	M. Ch.	M. Ch.	
Taipo Route, Lake Brunner Line	A	148 0	133 0	111 0	4,050			3,000	1 50	1 48	...	...	...	...	...	...	The 1 in 7 would be all on west side of dividing range, and all ascending towards Christchurch.
" " " ...		...	...	...	...			3,000	1 50	...	8 0	...	...	...	...	...	The 1 in 15 would be all on west side of dividing range, and all ascending towards Christchurch.
" " " ...	C	...	...	...	...			3,000	1 50	...	...	...	16 0	...	...	...	The 1 in 33 would be all on west side of dividing range, and all ascending towards Christchurch.
Arthur's Pass Route, Lake Brunner Line	A	142 0	127 0	105 0	3,014			2,560	3 10	1 34	...	...	...	...	...	...	The 1 in 7 would be all on west side of dividing range, and all ascending towards Christchurch.
" " " ...	B	...	...	...	...			3,014	...	...	5 50	...	...	...	...	...	Of the 1 in 15, 4 miles 25 chains would be on west side of dividing range, and ascending towards Christchurch, and 1 mile 25 chains would be on east side of dividing range, and descending towards Christchurch.
" " " ...	C	...	...	...	...			3,014	...	2 60	...	...	...	...	...	...	Of the 1 in 7 grade, 2 miles 10 chains would be on west side of dividing range, and ascending towards Christchurch, and 50 chains would be on east side of dividing range, and descending towards Christchurch.
Hurunui Route, Lake Brunner Line	A	151 0	166 0	119 0	3,150			2,470	2 10	1 65	...	...	...	...	...	...	The 1 in 7 would be all on west side of dividing range, and all ascending towards Christchurch.
" " " ...	B	...	...	...	...			2,790	0 47	2 15	...	3 10	...	...	...	...	The 1 in 7 would be all on west side of dividing range, and all ascending towards Christchurch, while the 1 in 33 would be all on east side of dividing range, and all descending towards Christchurch.
" " " ...	C	...	...	...	...			3,100	0 11	...	10 20	...	...	...	...	...	Of the 1 in 15 grade, 7 miles would be on west side of dividing range, and ascending towards Christchurch, and 3 miles 20 chains would be on east side of dividing range, and descending towards Christchurch.
Hope Route, Nelson Creek Line	A	150 0	165 0	118 0	3,230			2,890	0 79	...	4 20	2 40	...	...	...	...	The 1 in 15 would be all on west side of dividing range, and ascending towards Christchurch, and the 1 in 33 would be all on east side of dividing range, and descending towards Christchurch.
" " " ...	B	...	...	...	...			3,120	0 40	...	5 20	3 40	...	...	...	...	Of the 1 in 15, 4 miles 60 chains would be on west side of dividing range, and ascending towards Christchurch, and 40 chains would be on east side of dividing range, and descending towards Christchurch, while the 1 in 33 would be all on east side of dividing range, and descending towards Christchurch.
" " " ...	C	...	...	...	...			3,230	...	3 40	...	...	...	...	...	...	Of the 1 in 7, 2 miles 25 chains would be on west side of dividing range, and ascending towards Christchurch, and 1 mile 15 chains would be on east side of dividing range, and descending towards Christchurch.