

APPENDIX J – ECONOMIC EVALUATION SUMMARY

Otaki to North of Levin

Benefit Cost Analysis of the Option

		Otaki to North of Levin					
		S6		S7		S7A	
		Option S6N4	Option S6N5	Option S7N4	Option S7N5	Option S7aN4	Option S7aN5
Costs		Net Costs					
Expected Estimate		\$687	\$691	\$916	\$920	\$830	\$834
PV Capital Costs		\$527	\$530	\$697	\$700	\$633	\$636
PV Maintenance Costs		\$11.4	\$11.3	\$11.2	\$11.1	\$11.0	\$10.9
PV Total Costs		\$539	\$542	\$708	\$711	\$644	\$647
PV Benefits		Net Benefits					
Travel Time Costs		\$85.4	\$72.1	\$68.5	\$60.1	\$60.7	\$51.2
Vehicle Operating Costs		-\$0.1	-\$5.7	-\$8.3	-\$12.7	-\$13.4	-\$18.2
Carbon Dioxide Costs		\$0.0	-\$0.2	-\$0.3	-\$0.5	-\$0.6	-\$0.8
Crash Costs		\$83.7	\$81.5	\$81.5	\$80.4	\$81.3	\$80.2
Travel Time Reliability		\$4.3	\$3.6	\$3.4	\$3.0	\$3.0	\$2.6
Resilience (Low Impact High Probability)		\$11.1	\$11.0	\$11.0	\$10.9	\$10.9	\$10.9
Resilience (High Impact Low Probability)		\$17.0	\$17.0	\$17.0	\$17.0	\$17.0	\$17.0
Conventional Net Benefits		\$201	\$179	\$173	\$158	\$159	\$143
B/C Ratio (Conventional)		0.37	0.33	0.24	0.22	0.25	0.22
B/C Ratio (Incl.WEBS) - Low		0.42					
B/C Ratio (Incl.WEBS) - High		0.65					

