Table 34: Impact Comparison Chart

Impact Topic*	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	
Air Quality	Short-term negligible to minor adverse effects, long- term beneficial effects	Short-term minor adverse effects, long-term beneficial effects	Short-term minor and long- term moderate adverse effects, long-term beneficial effects	Short-term minor to moderate adverse effects, long-term beneficial effects	Negligible to minor adverse effects, long-term beneficial effects	
term beneficial effects from re	cur from access to the area (Alterestoration in Alternatives 1, 2 and acts would remain localized and	5, and long-term beneficial effe	ects in all alternatives from an ov	erall reduction of vehicles on the	d 4). There would be long- e roadway. Compared to	
Geology / Soils	Short- and long-term negligible to minor adverse effects, long-term beneficial effects	Short-term negligible to moderate adverse effects, long-term minor adverse effects, localized long-term beneficial effects	Same as Alternative 2 with more short-term moderate adverse effects and fewer beneficial effects	Same as Alternative 3	Same as Alternative 2	
the construction of erosion pr	g-term minor adverse effects wou otection measures and reestablis ernatives 3 and 4 from less overal	nment of the road and fewest in	on of new facilities. Moderate a Alternatives 1 and 5. Beneficial	dverse effects would be greatest effects would be greatest in Alt	t in Alternatives 3 and 4 from ernatives 5, 2 and 1, with	
Water Resources Hydrology	Short- and long-term negligible to minor with the potential for adverse effects, long-term beneficial effects	Same as Alternative 1 with additional short- and long- term minor to moderate adverse effects and additional beneficial effects	Same as Alternative 1 with additional short- and long- term minor to moderate adverse effects	Same as Alternative 3, with more moderate adverse and more beneficial effects	Same as Alternative 1, then long-term negligible to minor adverse effects, long-term beneficial effects	
Water Resources Water Quality	Long-term negligible to minor adverse effects, short- term minor to moderate adverse effects, long-term beneficial effects	Long-term minor and short- term negligible to moderate adverse effects, long-term beneficial effects	Long-term minor to moderate adverse and short- term negligible to moderate adverse effects (more than Alternative 2), long-term beneficial effects	Same as Alternative 3, with more short-term moderate adverse effects and potentially more long-term beneficial effects	Short-term negligible to minor and long-term negligible adverse effects	
Water Resources Floodplains	Short- and long-term minor to moderate adverse effects, long-term beneficial effects	Short-term minor to moderate and long-term moderate to major adverse effects, long-term beneficial effects	Short-term moderate and long-term major adverse effects, long-term beneficial effects	Same as Alternative 3 with fewer beneficial effects	Same as Alternative 1 with more long-term beneficial effects from discontinuing maintenance of the informal trail.	
Water Resources Wetlands	Short- and long-term minor adverse effects on 0.5 acres plus minor long-term effects from informal trail. Long-term beneficial impacts on 0.5 acres.	Short- and long-term minor adverse effects on 0.5 acres plus minor long-term adverse effects on an additional 1.3 acres. Long-term beneficial effects on 1.8 acres.	Short-term minor and long- term moderate adverse effects on 1.24 acres, plus minor to moderate adverse effects on additional 1.31 acres, long-term beneficial effects	Short-term minor and long- term moderate adverse effects on 1.32 acres, plus minor to moderate adverse effects on additional 1.64 acres, long-term beneficial effects.	Short- and long-term minor adverse and beneficial effects on 0.5acres plus short-term minor adverse effects from constructing new drainage crossings	
Vegetation	Long-term minor to moderate adverse effects, long-term beneficial effects	Long-term negligible to moderate adverse effects, localized beneficial effects	Similar to Alternative 2 with both more adverse and beneficial effects	Similar to Alternative 3, with fewer beneficial effects	Similar to Alternative 2, with more adverse effects	
Beneficial effects would be greatest in Alternative 5, from greater area restoration of the road in the river corridor, followed by Alternatives 1, 2, 3 and 4, while adverse effects would also be greatest in Alternative 5 (from more physical modification of undisturbed vegetated landscape), followed by Alternatives 4, 3, 2 and 1.						

Impact Topic*	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5		
Wildlife	Short-term negligible to minor and long-term minor to moderate adverse effects, some long-term beneficial effects	Short-term minor to moderate, long-term minor to moderate adverse effects, some long-term beneficial effects	Short- and long-term moderate adverse effects, with fewer beneficial effects	Similar to Alternative 3, with more beneficial effects	Short- and long-term minor to moderate adverse effects, long-term beneficial effects		
Special Status Species (federally listed)	No effect: gray wolf, grizzly bear, lynx, fisher May affect, likely to adversely affect:						
Ethnography	No change, some beneficial effects (no effect)	Long-term minor adverse, and long-term beneficial effects (no adverse effect)	Same as Alternative 2	Same as Alternative 2 with fewer beneficial effects from shuttle	Same as Alternative 2		
improvement of parking and Alternative 4 could diminish s	from expanded parking. Alterna access. Potential long-term mino some of this effect. Overall, the a tive American use of the area. The No adverse effect on Washington Mining and Milling Company Adit, potential adverse effect on can dump	r adverse impacts would occur f Iternatives do not propose use w	rom expansion of parking outsid where no use is currently occurring to known ethnographic resources No adverse effect on Washington Mining and Milling Company Adit and can dump, potential adverse effect on Ipsut Creek Campground	e the current Carbon River Entra g and compared to existing con- s. Same as Alternative 3	nce. Shuttle access under		
Otherwise					Alternative Education		
archeological resources. Historic Structures / Cultural Landscapes	Adverse effect on Mount Rainier National Historic Landmark District (NHLD) requiring a Memorandum of Agreement (MOA) with the State Historic Preservation Office (SHPO) and Advisory Council for Historic Preservation (ACHP).	Same as Alternative 1.	Same as Alternative 1	Same as Alternative 1	Same as Alternative 1		
archeological resources. Historic Structures / Cultural Landscapes The adverse effect would be a incompatible alterations to the Historic Places as part of the I	Adverse effect on Mount Rainier National Historic Landmark District (NHLD) requiring a Memorandum of Agreement (MOA) with the State Historic Preservation Office (SHPO) and Advisory Council for Historic	Same as Alternative 1. naintain the Carbon River Road natives would change the chara would continue to result in the l	Same as Alternative 1 to the Secretary of the Interior's cteristics of the Carbon River Roads of Iandscape characteristics (Same as Alternative 1 Standards for the Treatment of I ad that make it eligible for inclus natural systems and features, sp	Same as Alternative 1 Historic Properties and from ion on the National Register of atial organization, land use,		

Impact Topic*	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	
Transportation	beneficial effects	major adverse effects, long- term beneficial effects	long-term minor to moderate adverse and beneficial effects	moderate adverse, effects long-term minor to major adverse and beneficial effects		
Visitor Experience Opportunities	Long-term minor to major adverse effects	Long-term moderate to major adverse effects, long- term beneficial effects	Same as Alternative 2	Same as Alternative 2	Same as Alternative 2	
Visitor Experience Information and Education	Long-term beneficial effects	Similar to Alternative 1 with more interpretation	Same as Alternative 2	Same as Alternative 2	Same as Alternative 2	
Visitor Experience Safety	Long-term minor to moderate adverse effects	Long-term minor adverse and long-term beneficial effects	Same as Alternative 2	Similar to Alternative 2 with additional improvements	Long-term negligible to minor adverse effects, long- term beneficial effects	
Wilderness	Short-term minor to moderate adverse effects	Same as Alternative 1	Same as Alternative 1	Same as Alternative 1	Same as Alternative 1 plus long-term minor to moderate adverse effects.	
Wild and Scenic Rivers	Actions in Alternatives 1-5 would affect some values called out in the eligibility report, however there would be no effect on the eligibility of the Carbon River for designation as part of the wild and scenic rivers system.					
Park Operations	Short- and long-term minor to moderate adverse effects	Same as Alternative 1	Short- and long-term moderate adverse effects	Same as Alternative 3	Short-term moderate and long-term minor adverse effects	
Socioeconomics	Long-term minor adverse, and short- and long-term beneficial effects	Same as Alternative 1	Similar to Alternatives 1 and 2, with more beneficial effects	Same as Alternative 3	Long-term minor adverse and long-term beneficial effects.	

^{*}There would be no impairment of any resource associated with the implementation of Alternatives 1-5.