

BCA: Summary of Project Benefits and Costs

Project Year	Project Years																			Total Selection Criteria (Discounting Applied)		
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041		2042	
<b>Safety</b>																						<b>\$1,566,767</b>
1 - Current number of crashes will be reduced due to safety countermeasures incorporated into the design. (Discounting applied)			\$ 88,333	\$ 141,522	\$ 132,264	\$ 123,611	\$ 115,524	\$ 107,967	\$ 100,903	\$ 94,302	\$ 88,133	\$ 82,367	\$ 76,979	\$ 71,943	\$ 67,236	\$ 62,838	\$ 58,727	\$ 54,885	\$ 51,294	\$ 47,938	\$1,566,767	
2 - Safer walking and biking infrastructure will lead to more walking and biking due to existing latent demand for these activities by both residents and visitors. (Qualitative)																						
<b>Economic Competitiveness Benefit</b>																						<b>\$111,806,576</b>
3 - One-time net increase in land value (Commercial) (Discounting applied)																					\$8,993,433	
3 - One-time net increase in land value (Resort) (Discounting applied)																					\$86,648,318	
4 - One-Time Net Increase in Property Value for Unzoned Land (Discounting applied)																					\$16,164,825	
5 - The project is a catalyst for new jobs in resorts, shops, restaurants, services, construction, and private transportation. (Qualitative)																						
<b>Environmental Sustainability</b>																						<b>\$1,912,640</b>
6 - Reduction in vehicle emissions (air pollution) due to reduction of VMT (Discounting applied)			\$51,532	\$90,618	\$93,104	\$95,466	\$97,871	\$100,490	\$102,517	\$104,576	\$106,668	\$109,745	\$111,914	\$114,118	\$116,357	\$118,631	\$120,942	\$123,288	\$125,672	\$129,132	\$1,912,640	
7 - Water quality is improved due to stormwater filtration and groundwater recharge through the use of bioswales. (Qualitative)																						
8- Carbon capture is increased through the planting of medians with trees. (Qualitative)																						
9 - The roadway's heat island effect is reduced through tree planting (Qualitative)																						
<b>Quality of Life</b>																						
10 - Personal transportation costs are reduced by being able to walk, bike, or take transit to work. (Qualitative)																						
11 - Health is improved by incorporating physical activity into daily life through active transportation. (Qualitative)																						
12 - Stress is reduced for all roadway users by having safer streets for all modes of transportation. (Qualitative)																						
<b>Operations Cost Savings</b>																						<b>\$6,821,188</b>
13 - Vehicle Operating Costs Reduction (Discounting applied)			\$355,732	\$576,201	\$544,429	\$514,409	\$486,045	\$459,244	\$433,921	\$409,995	\$387,388	\$366,027	\$345,844	\$326,774	\$308,756	\$291,731	\$275,645	\$260,446	\$246,085	\$232,516	\$6,821,188	
<b>Total Benefits</b>																						<b>\$122,107,171</b>
<b>Project Costs</b>																						<b>\$22,153,667</b>
14. Project Costs* (Discounting applied)	\$6,867,180	\$11,002,157	\$4,284,329																		\$22,153,667	

\*Project Costs (without discounting) total of \$25,192,740. Discounting is applied to the costs above.

Total Benefits	\$122,107,171
Total Cost	\$22,153,667
Net Benefits	\$99,953,504