

B/C RATIO TABLE

Calendar Year	Project Year	Affected Drivers	Travel Time Saved ¹	Value of Time Saved (\$2018) ²	Initial Cost (\$2018) ³	Operations & Maintenance Costs (\$2018) ⁴	Value of Accident Reduction ⁵	Undiscounted Net Benefits	Discounted at 7%	Discounted at 3%	
2015	-4	12,766									
2016	-3	13,072									
2017	-2	13,386									
2018	-1	13,707									
2019	0	14,036			\$ 31,818,292	\$723,825	\$776,656	(\$32,542,117)	(\$27,986,221)	(\$30,589,590)	
2020	1	14,373	186,852	\$2,251,568		\$0	\$753,356	\$3,004,924	\$2,403,939	\$2,734,481	
2021	2	14,718	191,337	\$2,305,605		\$0	\$730,756	\$3,036,361	\$2,277,271	\$2,702,361	
2022	3	15,071	195,929	\$2,360,940		\$0	\$708,833	\$3,069,773	\$2,148,841	\$2,640,005	
2023	4	15,433	200,631	\$2,417,602		\$0	\$687,568	\$3,105,170	\$2,018,361	\$2,577,291	
2024	5	15,804	205,446	\$2,475,625		\$0	\$666,941	\$3,142,566	\$1,885,540	\$2,545,478	
2025	6	16,183	210,377	\$2,535,040		\$0	\$646,933	\$3,181,973	\$1,781,905	\$2,481,939	
2026	7	16,571	215,426	\$2,595,881		\$0	\$627,525	\$3,223,406	\$1,676,171	\$2,449,788	
2027	8	16,969	220,596	\$2,658,182		\$0	\$608,699	\$3,266,881	\$1,568,103	\$2,417,492	
2028	9	17,376	225,890	\$2,721,978		\$0	\$590,438	\$3,312,416	\$1,490,587	\$2,384,940	
2029	10	17,793	231,312	\$2,787,306		\$0	\$572,725	\$3,360,031	\$1,411,213	\$2,318,421	
2030	11	18,220	236,863	\$2,854,201		\$0	\$555,543	\$3,409,744	\$1,329,800	\$2,284,529	
2031	12	18,658	242,548	\$2,922,702		\$0	\$538,877	\$3,461,579	\$1,246,168	\$2,250,026	
2032	13	19,105	248,369	\$2,992,847		\$0	\$522,711	\$3,515,557	\$1,195,290	\$2,214,801	
2033	14	19,564	254,330	\$3,064,675		\$0	\$507,029	\$3,571,704	\$1,107,228	\$2,178,740	
2034	15	20,033	260,434	\$3,138,227		\$0	\$491,818	\$3,630,046	\$1,052,713	\$2,178,027	
2035	16	20,514	266,684	\$3,213,545		\$0	\$477,064	\$3,690,609	\$996,464	\$2,140,553	
2036	17	21,007	273,085	\$3,290,670		\$0	\$462,752	\$3,753,422	\$938,355	\$2,101,916	
2037	18	21,511	279,639	\$3,369,646		\$0	\$448,869	\$3,818,515	\$878,259	\$2,061,998	
2038	19	22,027	286,351	\$3,450,530		\$0	\$435,403	\$3,885,933	\$854,905	\$2,059,545	
2039	20	22,555	293,215	\$3,450,530		\$1,788,500	\$422,341	\$2,084,371	\$458,562	\$1,104,717	
Benefit Amount:									\$28,719,675	\$45,827,049	
Notes:									B/C Ratio:	1/1.03	1/1.49
1. Number of drivers times 3 minutes per day (3/60 hours) over 260 workdays.											
2. Hours at \$12.05 per hour for All Purpose travel.											
3. Includes costs for delays during construction.											
4. Maintenance costs on detour roads (2018) and overlay street 20 years in the future (2038).											
5. See Value of Fatalities & Injuries - 2013 and Value of Accident Property Damage tables reduced to one-third and by 3% per year.											