

APPENDIX A

Benefit Cost Analysis

7% NPV Summary over 30 Years		
	Costs	Benefits
CAPEX - Project Cost	\$26,895,103	
Maintenance Costs		\$10,956,452
Travel Time & Ops Costs Savings		\$10,350,910
Safety Savings		\$23,584,404
Emissions Savings (3% discount rate)		\$1,191,367
Pedestrian Travel Time Savings		\$1,405,596
Travel Time & Ops Costs Avoided		\$1,753,975
Safety Avoided		\$83,198
Emissions Avoided (3% discount rate)		\$27,561
Residual Value of the Project		\$1,840,213
TOTAL	\$ 26,895,103	\$51,193,676
Benefit-Cost Ratio		1.90