

**Regional Connections Project
Cost/Benefit Analysis**

Benefits	Unit	Daily Benefit	Annual Benefit¹	Annualized Project Costs²	Annualized Cost/Benefit Calculation^{2,3}	Annualized Cost/Benefit Outcome^{2,3}
Vehicle Hours of Travel Saved	Hours	157	40,841	12,977,500	317.76	\$317.76/Hour
Reduced Vehicle Miles of Travel	Miles	6,035	1,569,100	12,977,500	8.27	\$8.27/Mile
CO2 Emissions Reduced	Tons	2.70	702.00	12,977,500	18,486.47	\$18,486/Ton
Fuel Saved	Gallons	188	48,880	12,977,500	265.50	\$265/Gallon
Jobs Created by Construction	Jobs	---	921	12,977,500	14,090.66	\$14,090/Job
Long-Term Jobs Created	Jobs	---	12,000	12,977,500	1,081.46	\$1,081/Job

1 Total Benefit vs. Annual Benefit provided for jobs benefits due to availability of data.

2 Based on a discount rate of 3% over 30 years, costs shown in 2009 dollars

3 Calculated by dividing the annualized project cost by the annual benefit

Costs	Costs in 2009 Dollars	Annualized Project Cost^{4,5}
Construction	175,000,000	8,977,500
Operations and Maintenance	4,000,000	4,000,000
Total	179,000,000	12,977,500

3 Based on a discount rate of 3% over 30 years, costs shown in 2009 dollars

5 Calculated by multiplying construction cost by .0513 as supported in *Principles of Engineering Economic Analysis* by John White, Marvin Agee, & Kenneth Case, Appendix B, Table B.6