

APPENDIX A

Benefit Cost Analysis

| 7% NPV Summary over 30 Years | | | |
|--------------------------------------|----------------------|---------------------|------|
| | Costs | Benefits | |
| CAPEX - Project Cost | \$30,792,976 | | |
| Maintenance Costs | | \$22,419,651 | |
| Safety Savings | | \$2,754,297 | |
| Travel Time & Ops Costs Savings | | \$5,175,286 | |
| Travel Time & Ops Costs Avoided | | \$3,060,228 | |
| Emissions Avoided (3% discount rate) | | \$238,240 | |
| Residual Value of the Project | | \$1,005,429 | |
| TOTAL | \$ 30,792,976 | \$34,653,131 | |
| Benefit-Cost Ratio | | | 1.13 |