

Year	Project Year	Travel Time Saved (hr/year)	Total Value of Time Saved	Initial Project Cost	Fuel Savings - Idling (per year)	Decreased Miles	Auto Operating Cost Savings	Safety Benefits	Undiscounted Net Benefits	Discounted Benefits at 7%	Discounted Benefits at 3%
						Traveled (per year)					
				\$54,481,131							
2013	1	652,894	\$11,752,091		\$1,308,399	19,922,957	\$11,654,930	\$477,990	\$25,193,410	\$25,193,410	\$25,193,410
2014	2	669,869	\$12,057,645		\$1,342,418	20,440,954	\$11,957,958	\$490,418	\$25,848,439	\$22,577,028	\$24,364,633
2015	3	687,286	\$12,371,144		\$1,377,321	20,972,419	\$12,268,865	\$503,169	\$26,520,499	\$21,648,627	\$24,270,013
2016	4	705,155	\$12,692,794		\$1,413,131	21,517,702	\$12,587,856	\$516,251	\$27,210,032	\$20,758,403	\$24,175,761
2017	5	723,489	\$13,022,807		\$1,449,872	22,077,162	\$12,915,140	\$529,674	\$27,917,492	\$19,904,786	\$24,081,874
2018	6	742,300	\$13,361,400		\$1,487,569	22,651,168	\$13,250,933	\$543,445	\$28,643,347	\$19,086,272	\$23,988,352
2019	7	761,600	\$13,708,796		\$1,526,246	23,240,099	\$13,595,458	\$557,575	\$29,388,074	\$18,301,416	\$23,895,194
2020	8	781,401	\$14,065,225		\$1,565,928	23,844,341	\$13,948,940	\$572,072	\$30,152,164	\$17,548,834	\$23,802,397
2021	9	801,718	\$14,430,921		\$1,606,642	24,464,294	\$14,311,612	\$586,945	\$30,936,120	\$16,827,200	\$23,709,960
2022	10	822,562	\$14,806,124		\$1,648,415	25,100,366	\$14,683,714	\$602,206	\$31,740,460	\$16,135,240	\$23,617,883
2023	11	843,949	\$15,191,084		\$1,691,274	25,752,975	\$15,065,490	\$617,863	\$32,565,711	\$15,471,735	\$23,526,163
2024	12	865,892	\$15,586,052		\$1,735,247	26,422,553	\$15,457,193	\$633,928	\$33,412,420	\$14,835,514	\$23,434,799
2025	13	888,405	\$15,991,289		\$1,780,364	27,109,539	\$15,859,080	\$650,410	\$34,281,143	\$14,225,456	\$23,343,790
2026	14	911,503	\$16,407,063		\$1,826,653	27,814,387	\$16,271,416	\$667,321	\$35,172,453	\$13,640,484	\$23,253,135
2027	15	935,203	\$16,833,646		\$1,874,146	28,537,561	\$16,694,473	\$684,671	\$36,086,936	\$13,079,566	\$23,162,831
2028	16	959,518	\$17,271,321		\$1,922,874	29,279,538	\$17,128,529	\$702,472	\$37,025,197	\$12,541,715	\$23,072,879
2029	17	984,465	\$17,720,376		\$1,972,868	30,040,806	\$17,573,871	\$720,737	\$37,987,852	\$12,025,981	\$22,983,275
2030	18	1,010,061	\$18,181,105		\$2,024,163	30,821,866	\$18,030,792	\$739,476	\$38,975,536	\$11,531,455	\$22,894,020
2031	19	1,036,323	\$18,653,814		\$2,076,791	31,623,235	\$18,499,592	\$758,702	\$39,988,900	\$11,057,264	\$22,805,111
2032	20	1,063,267	\$19,138,813		\$2,130,788	32,445,439	\$18,980,582	\$778,428	\$41,028,611	\$10,602,573	\$22,716,547
NPV										\$326,992,957	\$472,292,027
Benefit/Cost Ratio (7% discount rate) =			6.00								
Benefit/Cost Ratio (3% discount rate) =			8.67								

Notes/Assumptions:

- 1) \$18.00/hr used for Values of Travel Time Savings for Intercity Travel - All Purposes. Source: TIGER Benefit-Cost Analysis Resource Guide.
- 2) Fuel Saving costs based on \$3.79/gallon - minus \$0.45 for state and fed. taxes = \$3.34, which is the 3/5/2012 Weekly U.S. Retail Gasoline Prices, Regular Grade for the U.S. from the Energy Information Administration
 - Assumed a burn rate of 0.6 gallons per hour for idling vehicles.
 - This is based on passenger cars idling burn rates of 0.25 to 0.5 gallons per hour (<http://fueleconomy.gov/feg/driveHabits.shtml>) and 0.8 gallons per hour of idling diesel for idling combination trucks ("Idle Reduction - A Glance at Clean Freight Strategies" (www.epa.gov))
- 3) Auto Operating Cost Savings of \$0.585/mile based on AAA's 2011 Edition of "Your Driving Costs" for Average Sedan for vehicles traveling 15,000 miles/year