

**US 67 Cleburne Bypass Project  
Cost/Benefit Analysis**

<b>Benefits</b>	<b>Unit</b>	<b>Daily Benefit</b>	<b>Annual Benefit<sup>1</sup></b>	<b>Annualized Project Costs<sup>2</sup></b>	<b>Annualized Cost/Benefit Calculation<sup>2,3</sup></b>	<b>Annualized Cost/Benefit Outcome<sup>2,3</sup></b>
<b>Vehicle Hours of Travel Saved</b>	Hours	480	124,800	2,565,000	20.55	\$317.76/Hour
<b>Reduced Vehicle Miles of Travel</b>	Miles	0	0	2,565,000	#DIV/0!	\$8.27/Mile
<b>CO2 Emissions Reduced</b>	Tons	20.45	5,317.00	2,565,000	482.41	\$18,486/Ton
<b>Fuel Saved</b>	Gallons	2,111	548,860	2,565,000	4.67	\$265/Gallon
<b>Jobs Created by Construction</b>	Jobs	204	921	2,565,000	2,785.02	\$14,090/Job
<b>Long-Term Jobs Created</b>	Jobs	244	12,000	2,565,000	213.75	\$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

<b>Costs</b>	<b>Costs in 2009 Dollars</b>	<b>Annualized Project Cost<sup>4,5</sup></b>
<b>Construction</b>	50,000,000	2,565,000
<b>Operations and Maintenance</b>	0	0
<b>Total</b>	50,000,000	2,565,000

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