

## S.S. Badger Cost-Benefit Analysis

Calendar Year	Project Year	Affected Drivers	Travel Time Saved	Total Value Time Saved	Total Value Gas Saved	Total Value Diesel Saved	Emissions Cost Saving	Congestion Cost Saving	Accident Cost Saving	Noise Cost Saving	Project Cost	Consumer benefit/loss
2011	1	45014	76335	1558455	2218067	444977	175000	967674	431150	18681	16000000	\$10,185,996
2012	2	45014	76335	1589624	2152037	462182	175000	967674	431150	18681		\$5,796,348
2013	3	45014	76335	1621417	2089483	459949	175000	967674	431150	18681		\$5,763,354
2014	4	45014	76335	1653845	2075582	471901	175000	967674	431150	18681		\$6,793,833
2015	5	45014	76335	1688922	2012159	461525	175000	967674	431150	18681		\$5,753,111
2016	6	45014	76335	1720660	1959162	443269	175000	967674	431150	18681		\$5,715,596
2017	7	45014	76335	1755073	1969588	441693	175000	967674	431150	18681		\$5,758,859
2018	8	45014	76335	1790174	1992177	441562	175000	967674	431150	18681		\$5,816,418
2019	9	45014	76335	1825978	2052124	440117	175000	967674	431150	18681		\$5,910,724
2020	10	45014	76335	1862497	2102515	435783	175000	967674	431150	18681		\$5,993,300

**CONSUMER NET BENEFIT/LOSS  
OVER TEN YEARS**

**\$42,115,547**

*Travel time based upon 415 miles; personal vehicles @ 70mph, commercial vehicles at 55mph; Badger voyage of 4 hours  
 Value of time saved based upon NHTSA CAFÉ 2008 figures adjusted 2% annually (2006\$)  
 Value of gasoline and diesel fuel savings based upon AOE/NHTSA estimates (2006 \$/gal)  
 Emissions, congestion, accident and noise savings based upon NHTSA CAFÉ 2008 values ((2006\$)*