

COST OF HIGHWAY MAINTENANCE PER VEHICLE MILE TRAVELED REDUCED BY THE PORT

The current annual truck Vehicle Miles Traveled (VMT) for the core region is 5,460,208 miles. The VMT for the Core Region with the Port is expected to be 1,211,052 miles, for a reduction of 4,249,156 miles. The current annual truck Vehicle Miles Traveled (VMT) for the surrounding region is 4,135,616 miles. The annual VMT for the Surrounding Region with the Port is expected to be 1,694,084 miles, for a reduction of 2,441,532 miles.

(MTSU BERC STUDY 2009, Table 12)

A Highway Cost Allocation Study was prepared by the US DOT Federal Highway Administration and was part of the “Comparison of Cost for Maintaining Highway and Waterway Freight Transportation Systems” dated April 9, 2007. The study indicates the pavement maintenance cost per mile for an 80,000 lb. five-axle combination vehicle truck is conservatively taken as \$0.409 for urban highways. (Hanson Professionals Services Inc., Comparison of Costs for Maintaining Highway and Waterway Freight Transportation Systems-Appendix D to the Alabama Freight Mobility Study Phase 1) (See also, Federal Highway Cost Allocation Study can be found [here](#).)

The reduction of 4,249,156 miles for the Core Region with a maintenance cost of \$0.409/VMT equates to an annual cost savings of \$1,737,905.00. The reduction of 2,441,532 miles for the Surrounding Region with a maintenance cost of \$0.409/VMT equates to an annual cost savings of \$998,587.00

The total annual maintenance cost of urban highways conservatively will be reduced by \$2,736,491.00.

