



Freight Equivalent Units by Mode

Standard Modal Freight Unit Capacities	
Modal Freight Unit	Standard Cargo Capacity
Highway – Truck Trailer	25 tons
Rail – Bulk Car	110 tons
Barge – Dry Bulk	1,750 tons
Barge – Liquid Bulk	27,500 BBL

Equivalent Units	Mode of Transportation		
	Barge	Rail	Truck
Equivalence By Mode	1 Barge	16 rail cars	70 truck trailers
Cost per Ton- Mile (cents)*	.72 cents	2.24 cents	26.61 cents
Ton Miles per gallon of Fuel	576	413	155
Injury Rate	0.045	5.814	99.044

*Cost reflects 2007 fuel costs

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Source: "A Modal Comparison of Domestic Freight Transportation Effects on the General Public." Texas Transportation Institute. November 2007
<http://www.nationalwaterwaysfoundation.org/study/Executive%20Summary.pdf>

