

Cost Comparisons of Maglev with other Transportation Modes

High-speed maglev is a cost competitive mode of transportation when compared to light rail, expressways or highways

Project Cost of High-Speed Maglev Infrastructure		
Location	Length (Miles)	Cost/ Mile (000,000)
Pennsylvania	54	\$51.4
Munich, Germany	24	\$56.2
Baltimore, Maryland	39	\$60.4
Data Source: FRA, MAGLEV, Inc. for dual guideway system (includes contingency, w/o stations and vehicles)		

High-Speed Maglev costs are comparable to light rail transit costs

Projected Cost of Light Rail in the U.S.		
City	Length (Miles)	Cost/ Mile (000,000)
Austin	14.6	\$50.6
Cincinnati	19.0	\$46.1
Dallas	12.5	\$41.4
Denver	19.0	\$46.5
New Jersey: Hudson-Bergen II	6.1	\$182.4
Orange County	26.6	\$75.8
Phoenix	18.8	\$47.8
Portland North - South	12.0	\$98.8
San Francisco	5.4	\$92.6
Seattle	7.2	\$208.3
Average in U.S.	Various	\$68.7
Data Source: Urban Transport Fact Book (http://www.publicpurpose.com/ut-lrt2001.htm) year 2000\$'s and SPC for Pittsburgh N. Shore Connector		

High-Speed Maglev costs are comparable to highway costs. Typical highway costs range from \$30 to \$100 million per mile.

Projected/ Actual Costs of Bus ways/ Interstate Highways		
Pittsburgh Area	Length (Miles)	Cost/ Mile (000,000)
Mon-Fayette (rural Area –Completed)	14.6	\$34.1
Mon-Fayette (Elizabeth to Pittsburgh)	17.0	\$79.2
Bus way to Carnegie (Completed)	8.0	\$53.0
Data Source: Mon-Fayette Website, SW Pennsylvania Commission (TRA for region)		