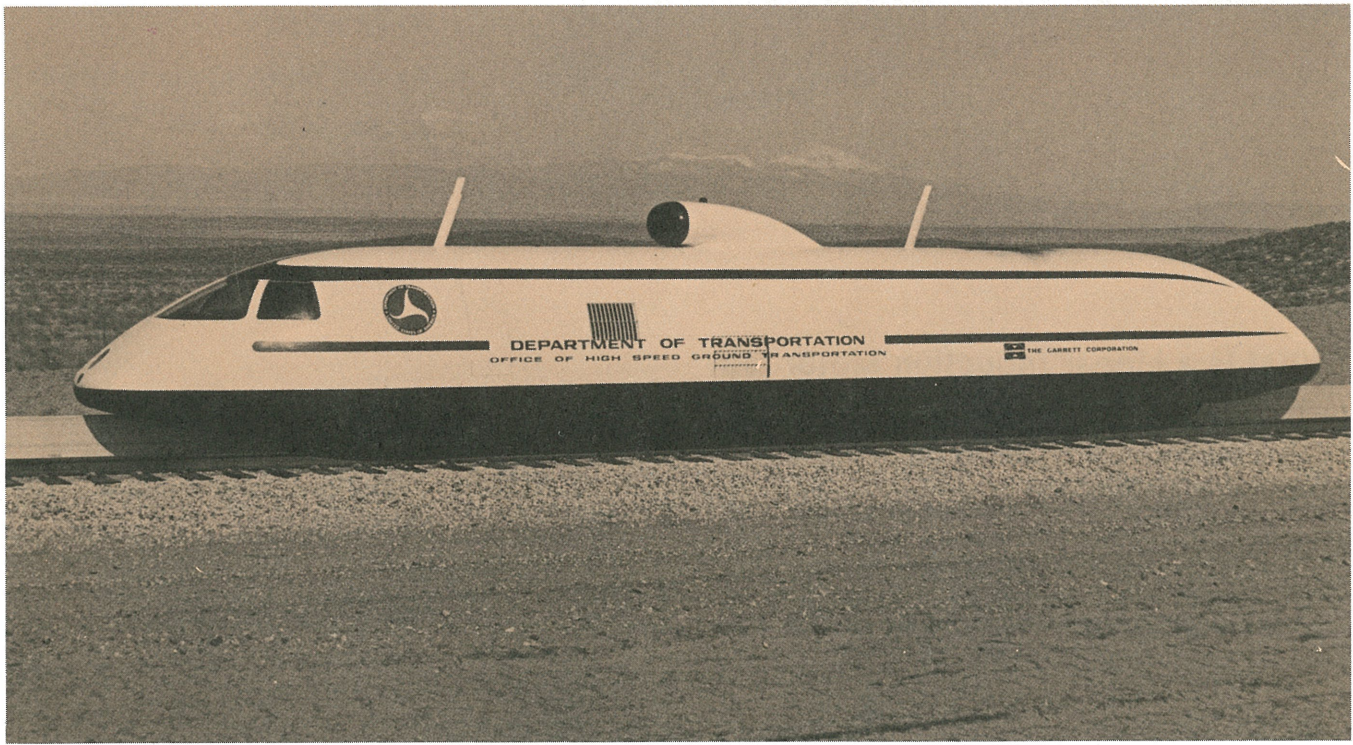




new technology in

transportation



## LIMTV LINEAR INDUCTION MOTOR TEST VEHICLE

### A DRAMATIC NEW CONCEPT IN RAIL TRANSPORTATION

The Garrett Corporation, under prime contract to the Department of Transportation (Federal Railroad Administration), designed and built the LIMTV, Linear Induction Motor Test Vehicle, a lightweight aluminum skinned high speed test vehicle.

The LIM test vehicle is designed to operate at 250 miles per hour, running on standard gauge rail with high speed tracks and steel wheels. The Garrett designed and built propulsion system is a straddle mounted 3,750 pound thrust linear induction motor reacting on a vertical aluminum reaction rail installed between the steel running rails.

Currently the vehicle is undergoing tests at the Department of Transportation High Speed Test Center in Pueblo, Colorado.

#### Features

##### Car

- Operates at speeds to 250 miles per hour
- Acceleration, 1.5 miles per hour per second
- Braking, 2.0 miles per hour per second
- Measures 56 feet long, 10 feet wide, and 9 feet high
- Weighs 54,000 pounds
- Uses standard rail truck
- Operates on standard gage railway track