













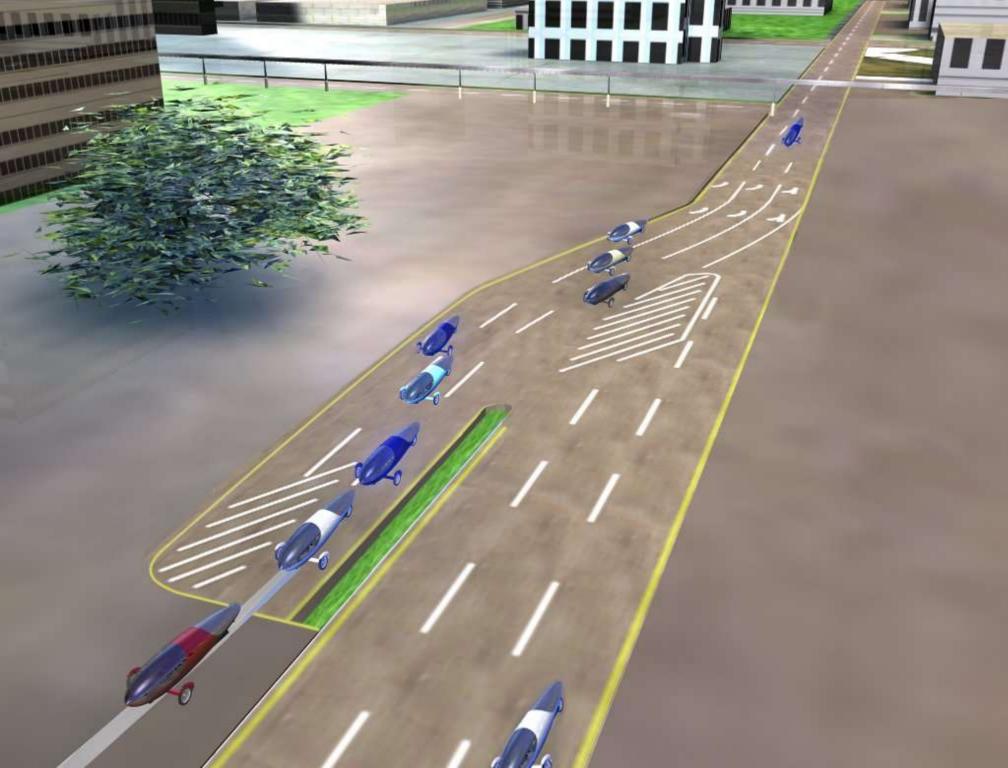


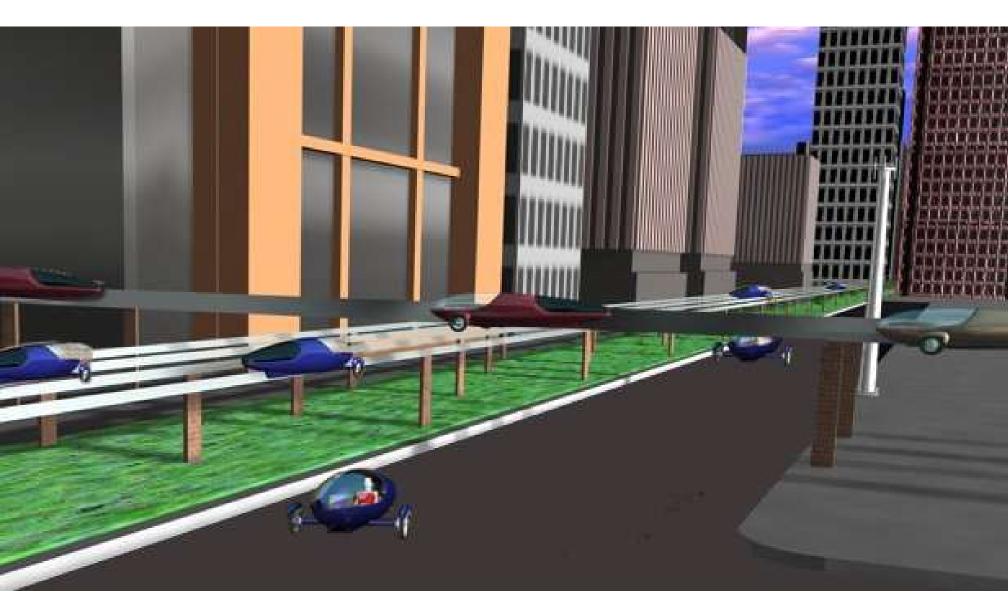
## TriTrack Interior features





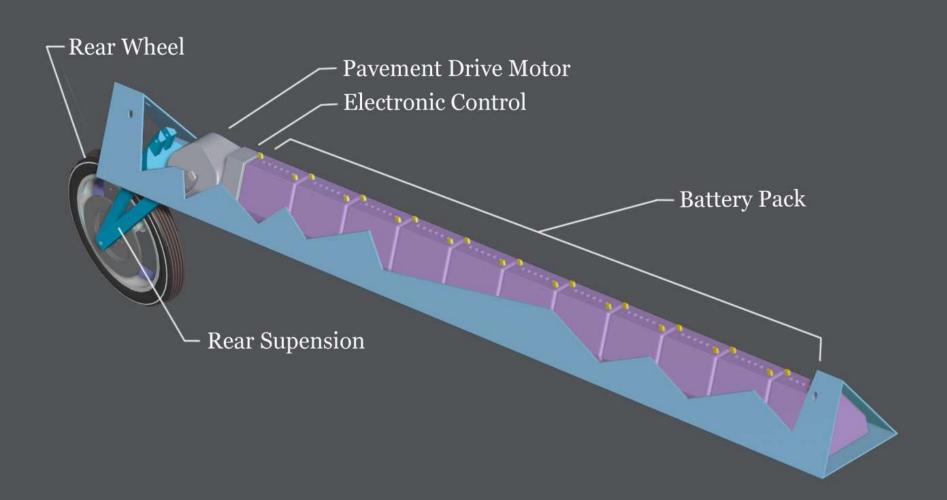












#### On the Ground: A battery mule powers an electric motor. The batteries will likely be lead-acid, **Power Modes** but can be anything that fits into the male (NiMH, fuel cells, etc). 60000 00000 Up Ramp: The battery male is left on the ground and a linear motor built into the track speeds the cur up to 180mph and is powered directly from the power grid. On the Guideway: A smaller battery built into the car powers a 60-90 hp motor that maintains the cars speed. This battery is recharged by the battery mule when the car is on the ground 100000 **Down Ramp:** 0000 A linear generator recaptures some of the car's energy and puts it back into the power grid. At the end of the guideway, it picks up a new, fully charged battery mule. Automated Valet Parking: Passengers are let out at a portico while a small trolley interfaces with the TriTrack body and automatically parks the car on the roof. The battery mule stays on the ground.



# **Environmentally Responsible**



## Preserve Natural Resources









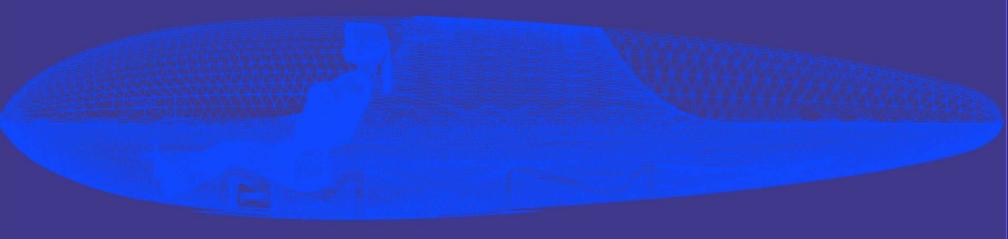
# **Greener & Cleaner**

 180 MPH design speed Automated crash avoidance 10 to 1 reduction in nitrous oxide emissions Dramatically lower levels of pollutants in our air. No stop signs No merges No gasoline stations No skids Handicapped access Energy savings and reduced dependence on foreign oil Tremendous travel cost reduction Quantum leap in the speed of railway construction Aerodynamic drag coefficient improvement Vehicle frontal area size reduction Ride enhancing counteraction to accelerations and track imperfections (inverse flight-simulator proactive suspension) TriTracker monster machine builds track at 3 miles per hour Parks on one-tenth the space Roadway material use, a small fraction of current road construction Personal car that seats four Takes you from your garage to the door of your destination

## .31 AERO DRAG COEFFICIENT

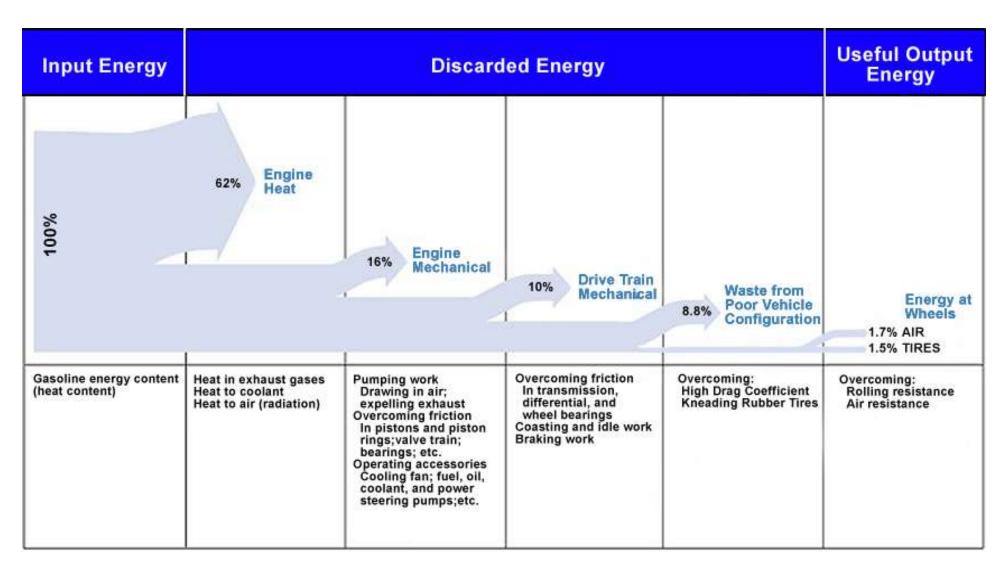


## .15 Aero Drag Coefficient

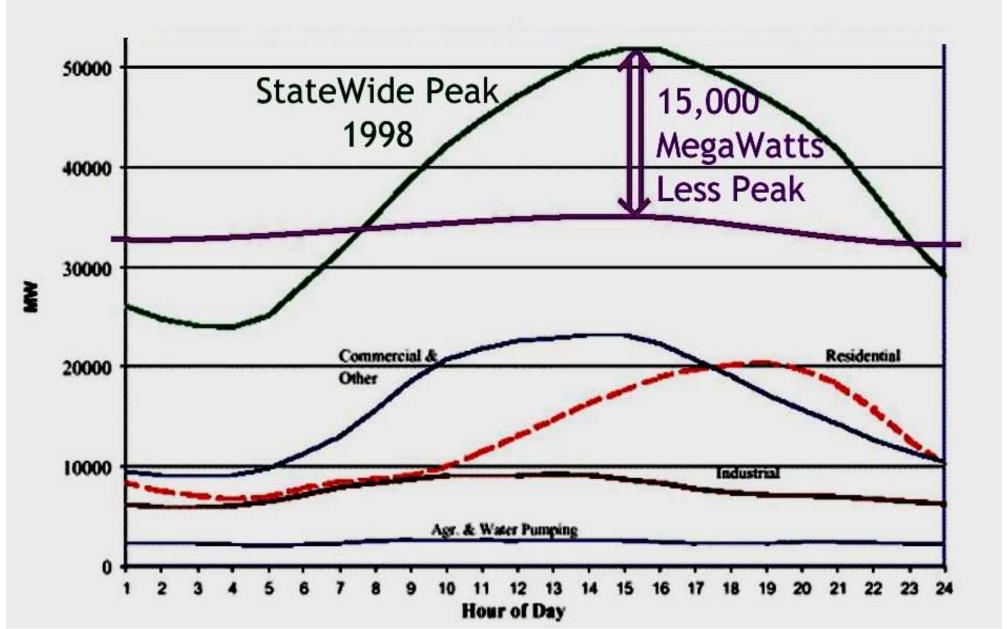


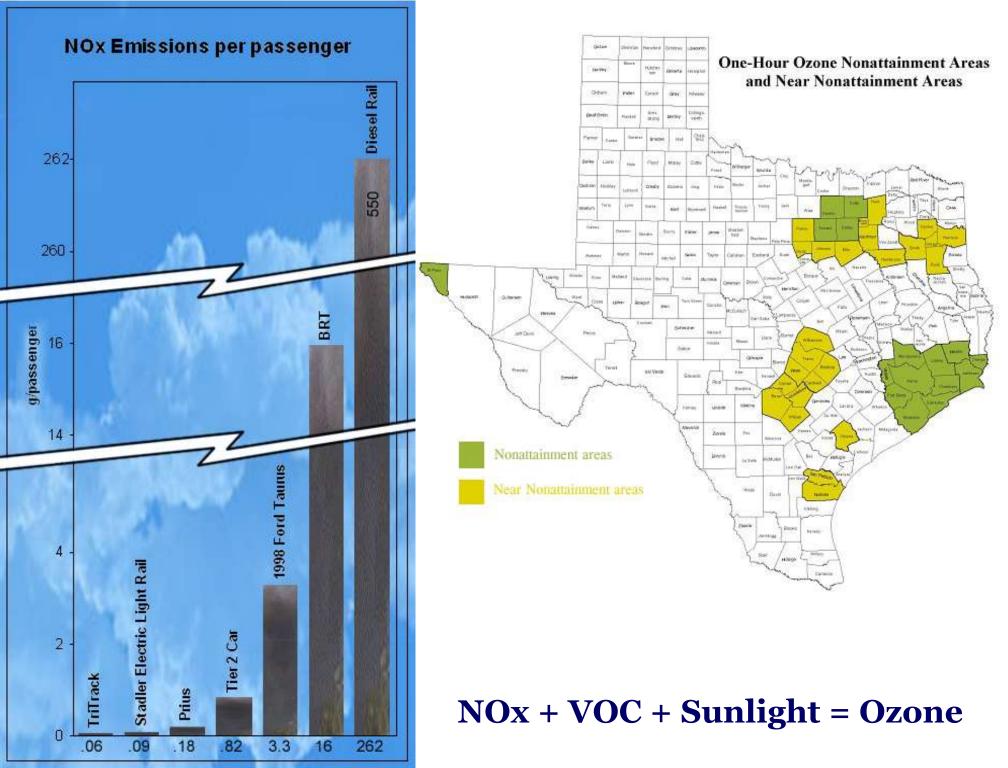


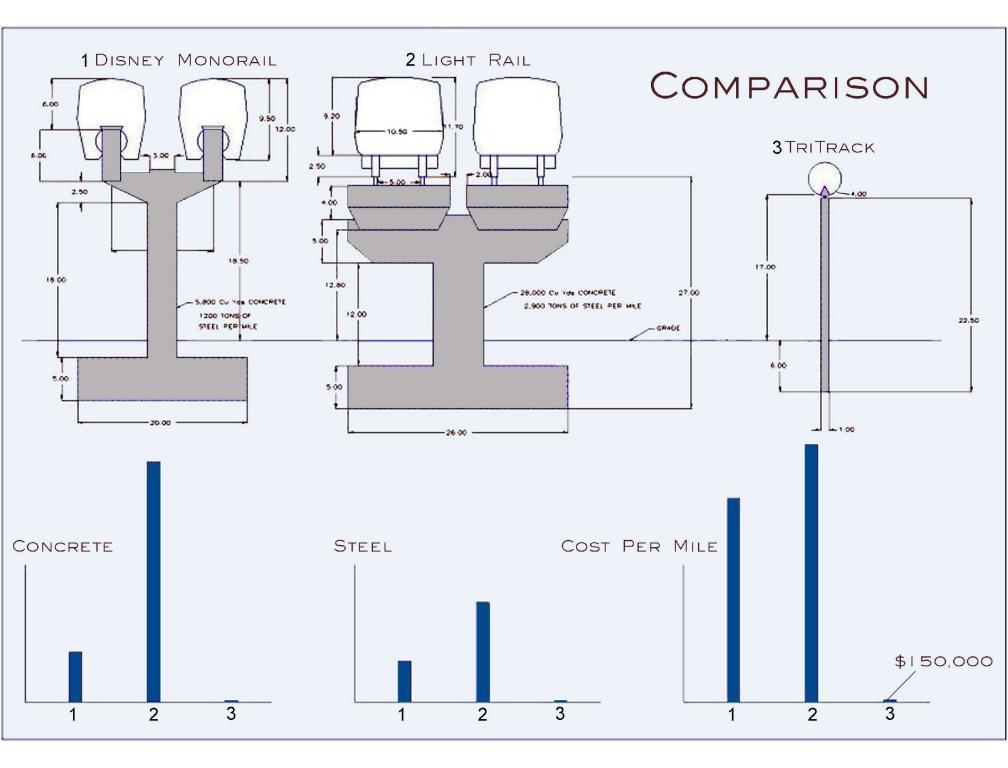


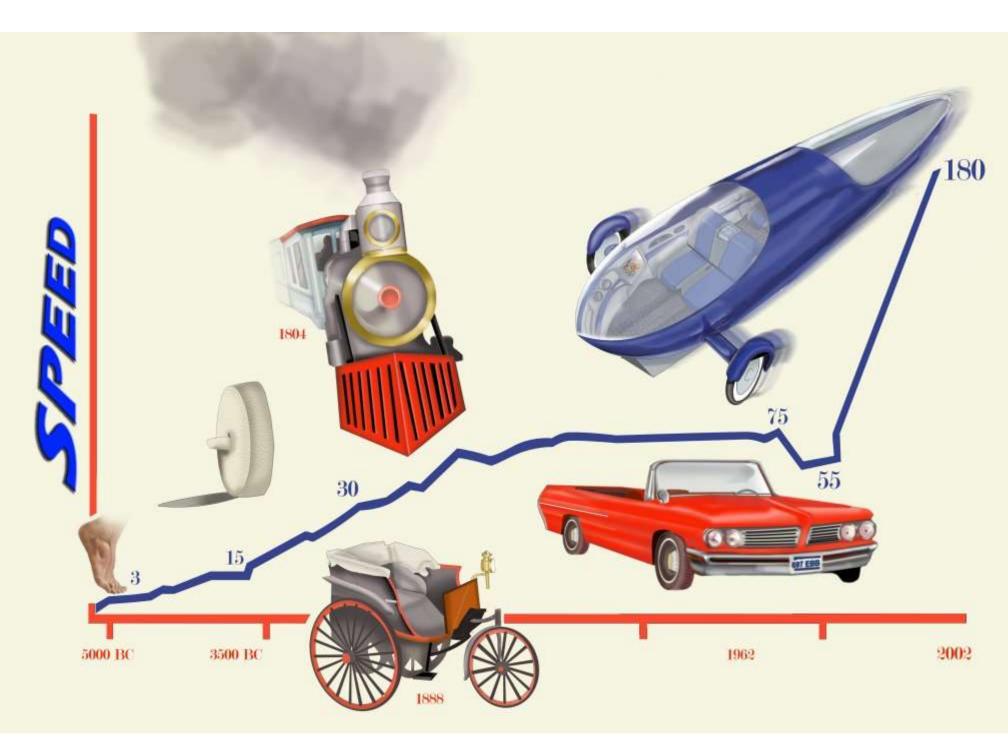


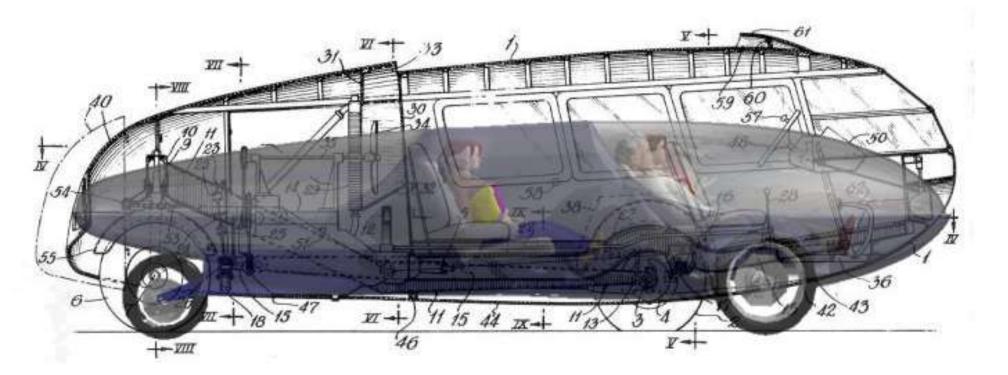
# **Electric Power Plant Peak Reduction**









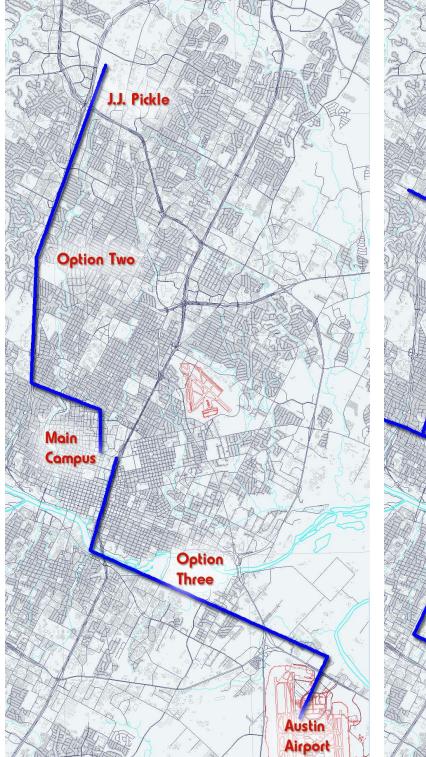


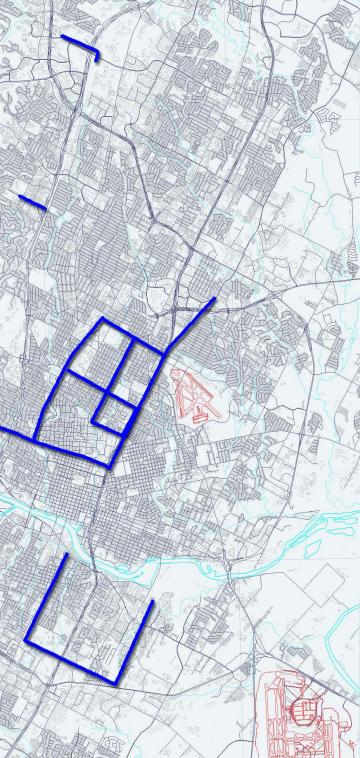




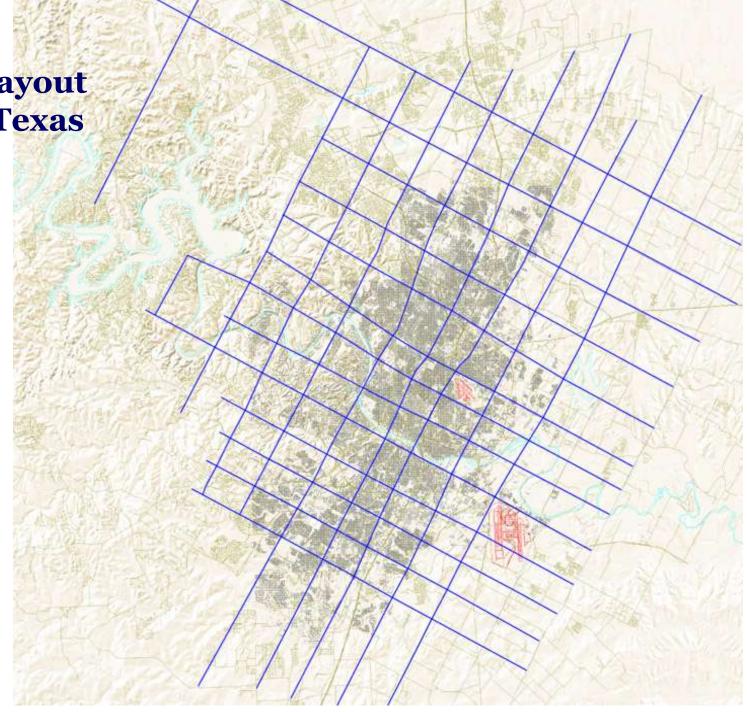


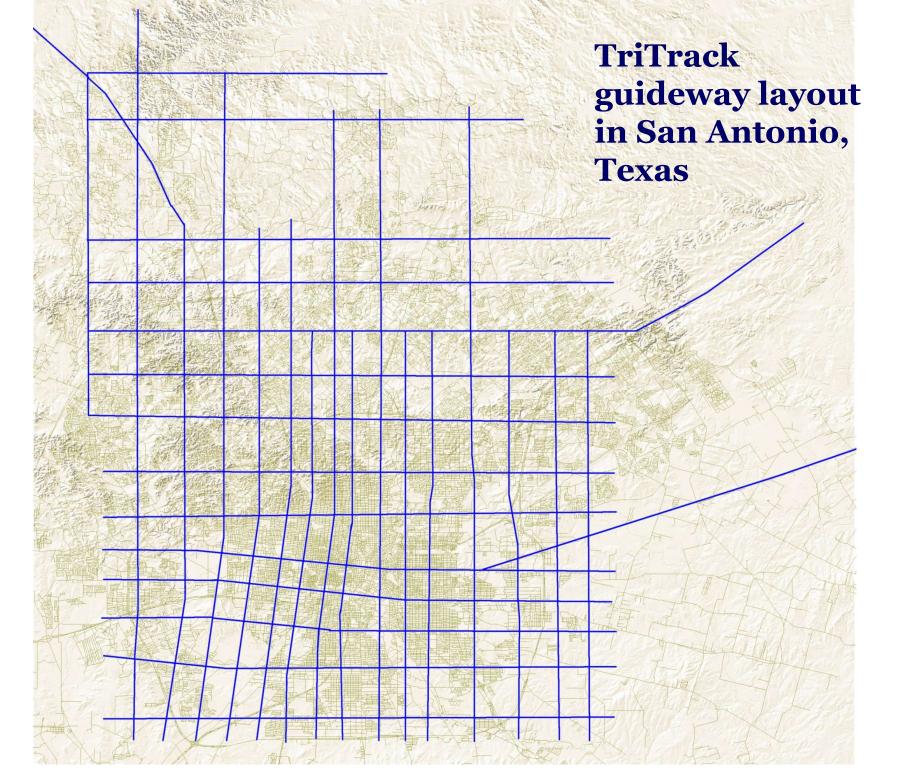
Funding options for a University of Texas shuttle system

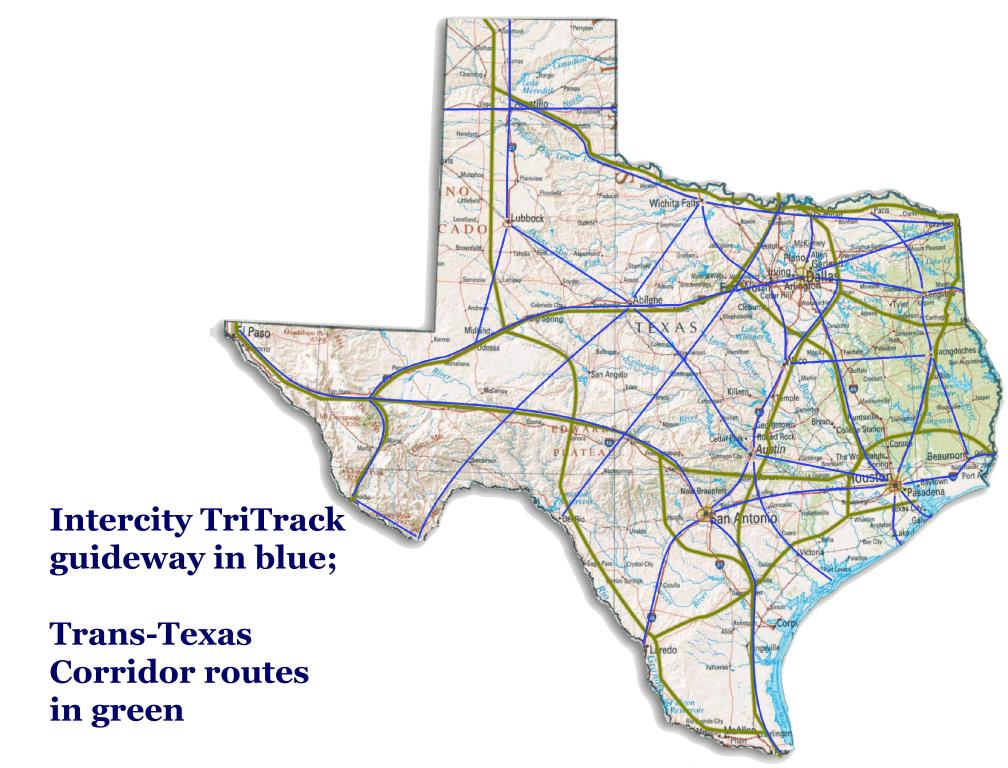


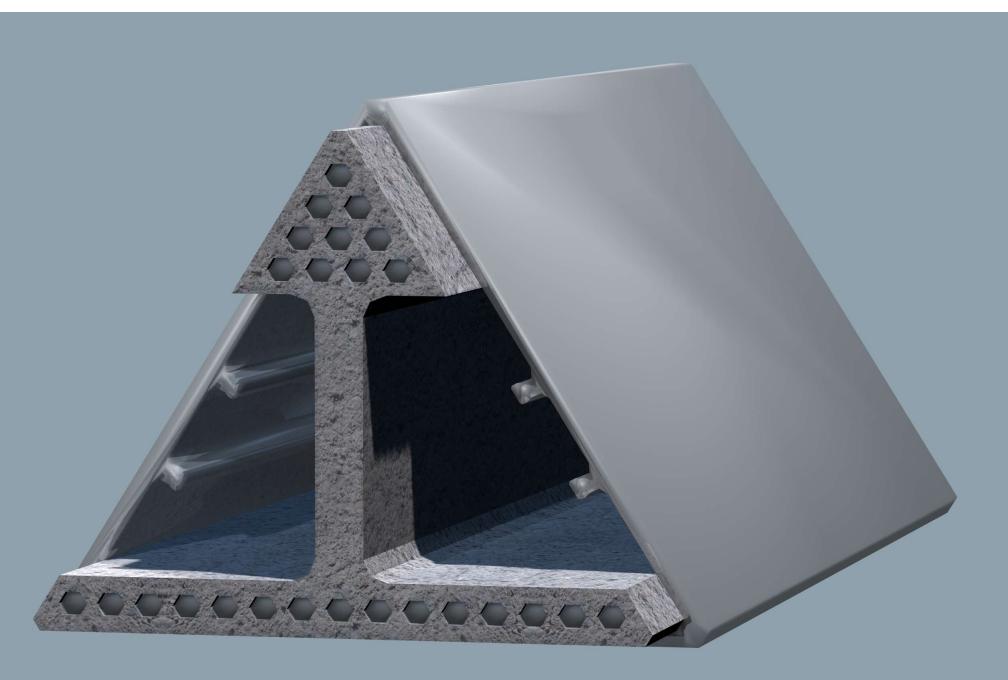


### TriTrack guideway layout in Austin, Texas

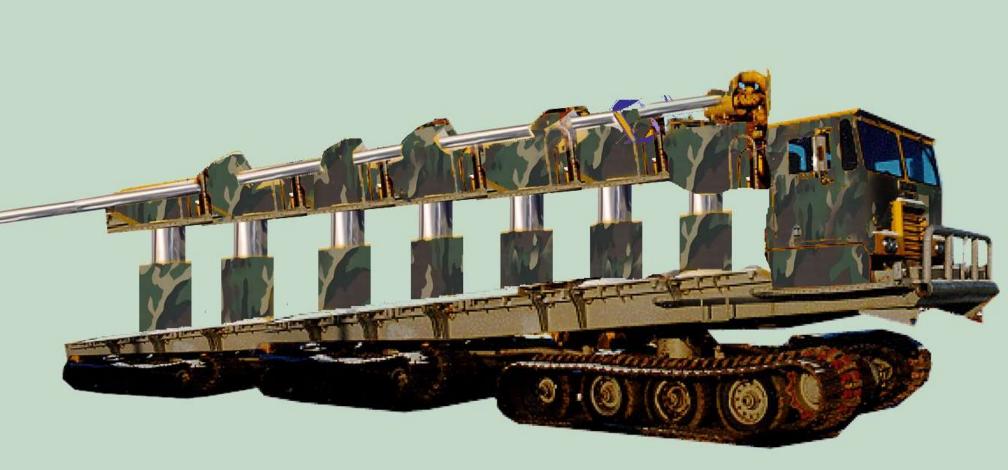




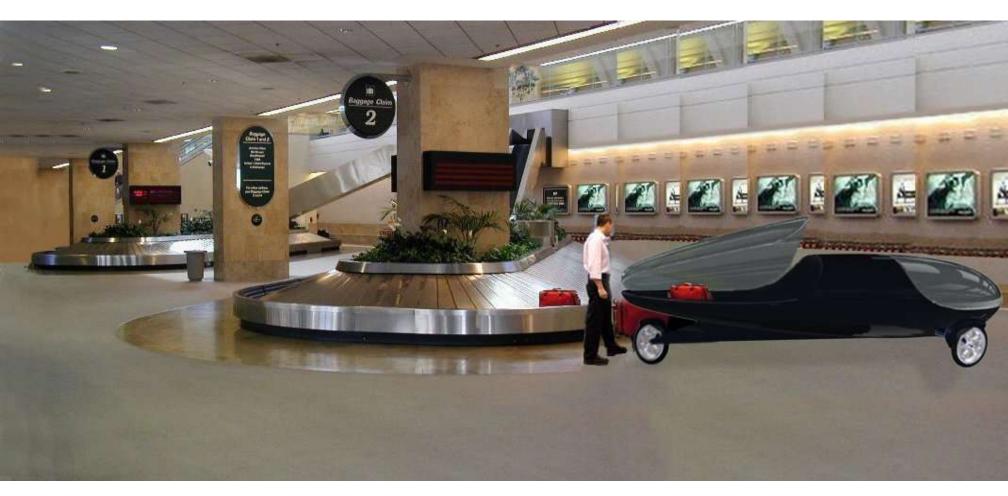




### The TriTracker



### Automatically builds guideway at 3 mph



As governed electric cars, TriTrack are safe enough to be driven indoors

### **Girl Day at the University of Texas**

NO\* Pollution

TriTrack

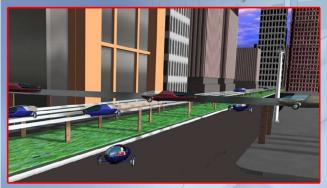
Commuter Reil

He

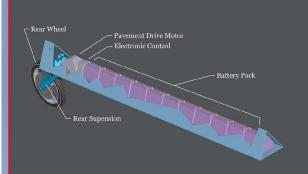
Track

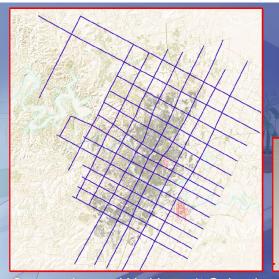


Four Parallel Tracks Move 36,000 People per Hour @ 1.3 Average Persons per Vehicle. This is Due to the High Speed of the TriTrack and Computer Control of Cars on the Guideway.



Infinite Battery Range via Battery Mule Concept



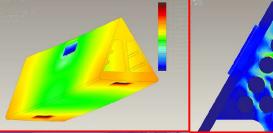


Congestion as We Know It Solved by a Grid Pattern of Binary Length Tracks Where Each Intersection is an Overpass at the Cost of At-grade Roads.

Patent Pending Manufacturing Process Builds Track at 3 MPH at Approximately \$150,000.00 per Mile. This Low Cost is in Stark Contrast to other Monorail Systems and to Adding Lanes to Existing Highways. Elevated Monorail has the Possibility to be Many Times Greener Than Surface Roadways.



Simple Beam Non-Powered Track in the Middle with Linear Motor Launch and Catch on the Ends. This Regenerative Braking Saves Energy.



Battery Mules are Exchanged at 40 MPH
Meaning That You Never Have to
Visit a Gas Station Again. Car Operates in Four Distinct Propulsion Modes.
1. Ground Travel Traditional Electric Car
2. Up-Ramp 300 hp Linear motor with
Magnetic Linkage to the Car.
3. 70 hp Motor While on Guideway
4. Linear Generator to Recover 300 hp on Down-Ramp



### TriTrack



10:1 Reduction in NOX Without the Expense of Reformulated Gas

10:1 MOX

#### Seats 4 Comfortably



TriTrack Interior features

#### Monorail Advantages:

- The Safety Record of Monorails Worldwide is Unsurpassed by Any Other Mode.
- Elevated Transportation can be Added to Existing Infrastructure Without Much Disruption.
- Elevated Guideway Eliminates Many Road Hazards and Dangers to Young Children
- Commute Times Will Plummet
- Very Quiet Operation Due To Electric Propulsion
- Emergency services in the County Will be Faster
- This is a Personal Car and will be Purchased by the Consumer.
- The Power Company May Sponsor the Linear Motors.
- The State Will Only Buy the Guideway, the Least Expensive Portion of the Concept, to be Built on Currently Unused Higher Right-of-Way.
- No More Dependence on OPEC Oil
- Energy Conversion 7 times More Efficient Than Internal Combustion Vehicle Design.
- •10:1 Reduction in Rolling Friction
- •4:1 Reduction in Air Drag Due to Smaller Frontal Area and a Greatly Reduced Drag Coefficient
- Battery Mules Constantly Charging Will Flatten the Daily Energy Generation Power Cycle, Lowering the Cost per Kilowatt for Everyone.
- Vehicle is Constrained to the Track and Can Only Come Off at the End.
- Triangular Guideway Allows Air to Escape from the Intersection of the Body and the Guideway
- •2:1 Reduction in Vehicle Manufacture Cost by Simplifying Machine Complexity.
- Guideway Configuration Spreads Traffic Density
- Parking in 30 Square Feet of Space, a 10:1 Reduction
- Parking Garages Moved Outside Central Business District
- No Merging, No Stopping, Automatic Valet Parking
- Two Years From Funding Cars Can Be On The Road



Tested in the UT Wind Tunnel with a measured drag coefficient of .15 Cd

#### 1/8th Scale Model Now Touring Texas



ROANE INVENTIONS

I S. Laurelwood = Austin, Texas 78733 = 512-263-5344 = JRoane@Austin.rr.com

Patent Pending