

The Hydrogen Superhighway

EXHIBIT <u>C</u> MassTransit	Document consists of <u>8</u> pages
<input checked="" type="checkbox"/> Entire document provided.	
<input type="checkbox"/> Due to size limitations, pages ____ through ____ provided.	
A copy of the complete document is available through the Research Library (775-684-6827 or e-mail library@lcb.state.nv.us).	
Meeting Date <u>6-15-04</u>	



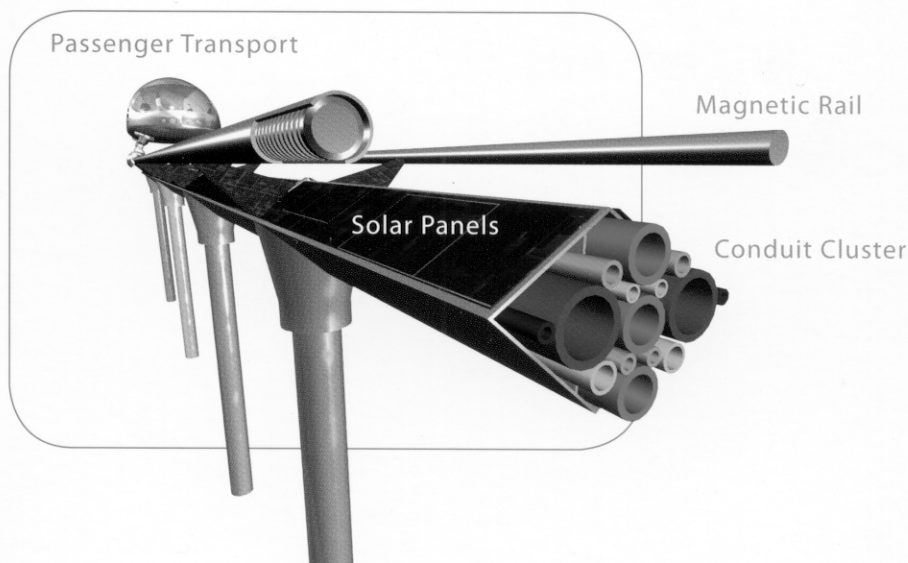
The Hydrogen Superhighway

If your state needs:

- Additional electric power
- A hydrogen production and distribution network
- Fresh water
- The most state-of-the-art transit system
- Thousands of new jobs
- Billions of dollars in revenue
- Fiber capacity for data distribution

And you want all of the above in an environmentally perfect package,

You need ITC.



Move to the Superhighway

of Information, Technology, and Transportation

ITC collects solar power from panels along the conduit cluster. The solar power is then used to split water into hydrogen and oxygen. The water for ITC can come from virtually any source, including storm drains, rivers, or oceans.

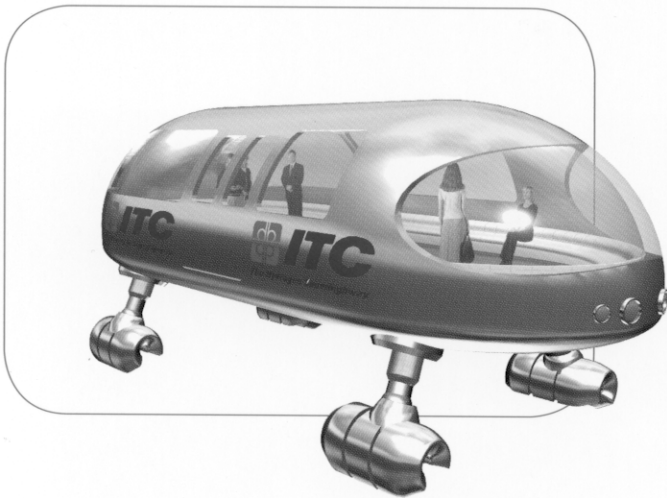
ITC boasts a stainless-steel-encased, solar-powered pipeline that moves electricity, telephone, fiber, cable, water, sewer, hydrogen, oxygen, and any other gases or fluids.

Technology and transportation come together to generate revenue for federal, state, and local governments.

Most high-speed rapid-transit systems require subsidies from the government. ITC, with its multiple revenue sources subsidizes federal, state, and local government. ITC is a public-private partnership between government and industry. Government receives 50% of the revenues.

Move at the Speed of ITC

Three ways to go 300 MPH



People

ITC is a safe, fast, and affordable way to bring people together. With a \$5.00 day pass to ride, ITC will become the transportation of choice for future travelers.

ITC transporters will reach speeds of 300 mph using the newest slotted-linear-motor maglev technology and an aerodynamic design.

Passengers will have the benefit of high-speed wireless internet access, as ITC runs on TCP/IP protocol and provides a nationwide wireless network wherever it is built.

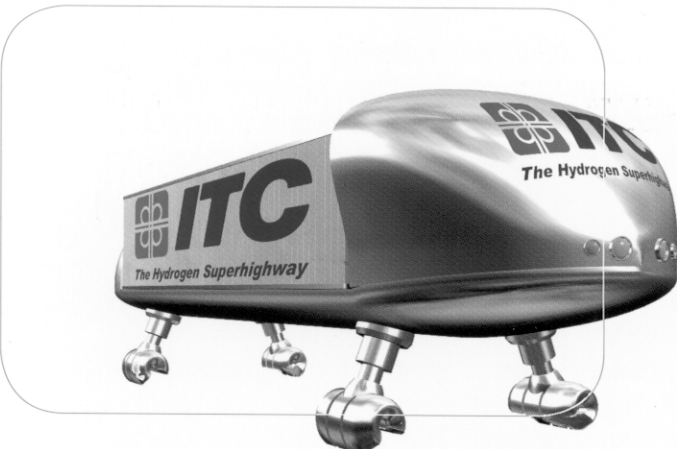
Cars

Some people need their vehicles at their destinations. ITC allows them to ride in the comfort of their cars, and still move at the "speed of ITC". Occupants will travel safely and comfortably from Detroit to Chicago in one hour.



Freight

ITC will move freight at speeds up to 300 mph, reducing delivery time, traffic congestion, fossil fuel consumption, and fatalities. While increasing the capacity of our national transportation system.



ITC will do all this while providing an effortless, environmentally friendly, and quiet flow of transportation across the country.



Move to Hydrogen Power

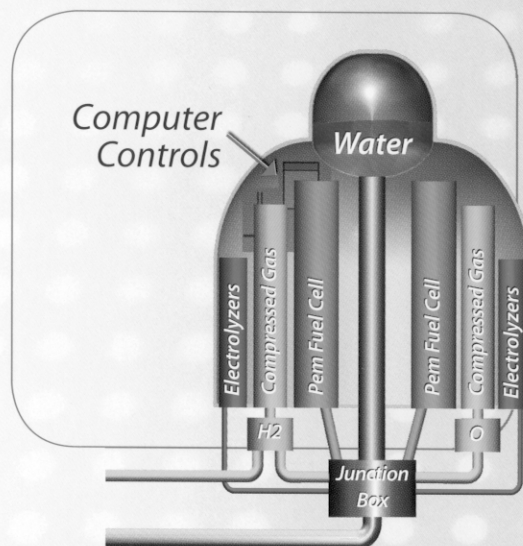
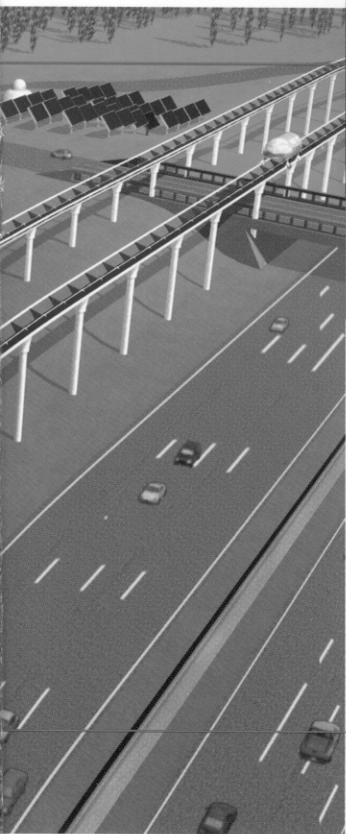
A Clean and Safe Energy Alternative

The world is ready for an environmentally perfect transportation system. And ITC is here now!

Finally there is an economically viable, environmentally perfect alternative that reduces congestion on our nation's highways, moves people and freight across the country at speeds up to 300 mph, and is powered entirely by solar and hydrogen energy.

The hydrogen from ITC will be used to facilitate a national hydrogen production distribution system.

Electricity and clean potable water are the byproducts created from the recombination of hydrogen and oxygen that takes place within ITC utility substations. The water can be stored and pumped through the rail for public consumption.



Electricity from the hydrogen fuel cells is used to run the system during non-daylight hours.

With a utility substation approximately every five miles, ITC is the perfect model of a distributed energy generation and storage system, built on a redundantly controlled automatic, load-balancing network. For the first time a national system has been developed to store and retrieve massive amounts of energy.

Traveler stations are located on each side of the interstate at the interchanges and feature a social atmosphere, including shopping, entertainment, and refreshment venues.



Move to Action

Everything You've Always Imagined, You Can Have Today.

The technology to build ITC is available now. In fact, ITC could be built within five years of approval by federal or state governments.

ITC is a national, multimodal (passengers, automobiles, freight) slotted-linear-motor, rapid-transit system, based on a solar-powered hydrogen production and distribution network.

ITC is designed to be built along the fencelines on each side, within the right of way of the interstate highways, approximately 35 feet in the air.

ITC will change our transit system from a fossil-fuel-based system to a pollution-free, hydrogen-based system. ITC will also reduce highway congestion, provide massive long-term job creation, revenue for state and federal governments, and produce potable water.

ITC will change the world as we know it by bringing people closer together. ITC will change where we live and work. And it will give us the much needed natural resources we are running out of in an environmentally perfect package.

Join us!



The Hydrogen Superhighway

(734) 449-4480

www.InterstateTraveler.us

Comparisons of Rail Services

Conventional Mag/Lev Rail

- Construction cost: \$36 million per mile
- Requires subsidies from Fed and State governments
- 50+ year return on investment
- 700 feet turning radius
- Relies on old technology
- Ground level issues (traffic/animals, etc.)
- Need to acquire additional land to build
- Single revenue source
- Foreign designed and built
- Built and functioning in 12 years
- Transportation district owned vehicles
- Requires service road for construction and maintenance
- Passengers only
- Minimal choices in lines/stops/stations
- Rider fare: \$20+/ride
- Requires driver/conductor
- Isolated systems (regional, point-to-point)
- 97,000 jobs created (California)
- Concrete construction (60 year life span)
- Interferes with existing traffic for construction
- Burns fossil fuel for electricity to run system
- No additional services provided
- Requires an electrical grid to plug into
- Quiet operation

Interstate Traveler

- Construction cost: \$10 million per mile
- Subsidizes Fed and State governments
- 2 year return on investment
- 60 feet turning radius
- State-of-the-art technology
- Operates above traffic, bridges, children, and homes
- Uses existing interstate highway rights of way
- Multiple revenue sources (electricity, hydrogen, water, freight, passengers, advertising, conduit cluster, rental income, TCP/IP, and energy storage)
- USA designed and built
- Built and functioning in 5 years
- Public and privately owned vehicles
- No service road for construction and maintenance (built from upon itself)
- Passenger, freight, and vehicle transport
- Unlimited destination options
- Rider fare: \$5/day
- Driver-less TCP/IP operation
- Connect to national system
- Over 1 million new jobs created (California)
- Stainless steel construction (100+ year life span)
- No traffic interruption during construction
- Environmentally perfect, uses solar and hydrogen
- Provides conduit cluster for: cable, fiber optics, telephone, water, hydrogen/oxygen, electricity, sewage, and other gases and fluids
- No grid needed, produces own power
- Quiet operation and environmentally perfect
- Creates fresh water from salt water, rivers, and contaminated water (highway run-off)
- Dedicated system for Homeland Security
- Moves the US to a hydrogen economy in 15 years



The Hydrogen Superhighway

(734) 449 4480

www.InterstateTraveler.us

What people are saying

"The transition to hydrogen is vital for the long-term energy and environmental security of the United States."

E. Spencer Abraham, US Secretary of Energy

Hydrogen is the simplest, naturally occurring element that can be found in numerous materials (natural gas, methanol, coal, biomass, and water). As an abundantly available fuel that can be produced domestically, it could help the United States decrease its dependence on foreign oil imports. Hydrogen is anticipated to join electricity as the foundation for a globally sustainable energy system. Hydrogen can be made safely, is environmentally friendly, and versatile, and has many potential energy uses, including powering non-polluting vehicles, heating homes and offices, and fueling aircraft. Interest has been spurred by a growing awareness of burgeoning environmental threats to which hydrogen produced by solar-generated electricity seems the near perfect solution.

U.S. Department of Energy (DOE) National Renewable Energy Laboratory.

"We need a National Mass Transit System built on the existing Interstate Highway System."

Norm Mineta, US Secretary of Transportation

"Our transportation system is critical to the Nation's economy and our quality of life. The United States has long enjoyed one of the best and most efficient transportation systems in the world, but it is now facing significant challenges. We believe a new vision for transportation is necessary."

Robert E. Spitzer, Chair Federal Transportation Advisory Group

Transportation is the foundation of our entire economy and quality of life. Everything we eat, drink, and consume is transported to us from somewhere else. Transportation takes us to work, on vacations, and to recreational activities. It is an integral part of our health care system, providing emergency transportation and delivery of medical services and supplies. Transportation brings us the materials we use at work and distributes the products of our labor. Transportation is about mobility: moving people, goods, and ideas anywhere, anytime, on time at an affordable price. It is about providing safe, reliable, economical, and environmentally friendly mobility for all Americans; enhancing their quality of life; and enabling them to do what they want to do when they want to do it. The nation has not had a bold vision for transportation in 45 years, since President Eisenhower signed into law the Federal-Aid Highway Act on June 29, 1956. That law created the Interstate Highway System and transformed America into a mobile society. We believe that the nation needs a new transportation vision now for the next 50 years. The nation's economic strength and the quality of life of all Americans depend on it.

Vision 2050

An Integrated National Transportation System, Published February 2001