



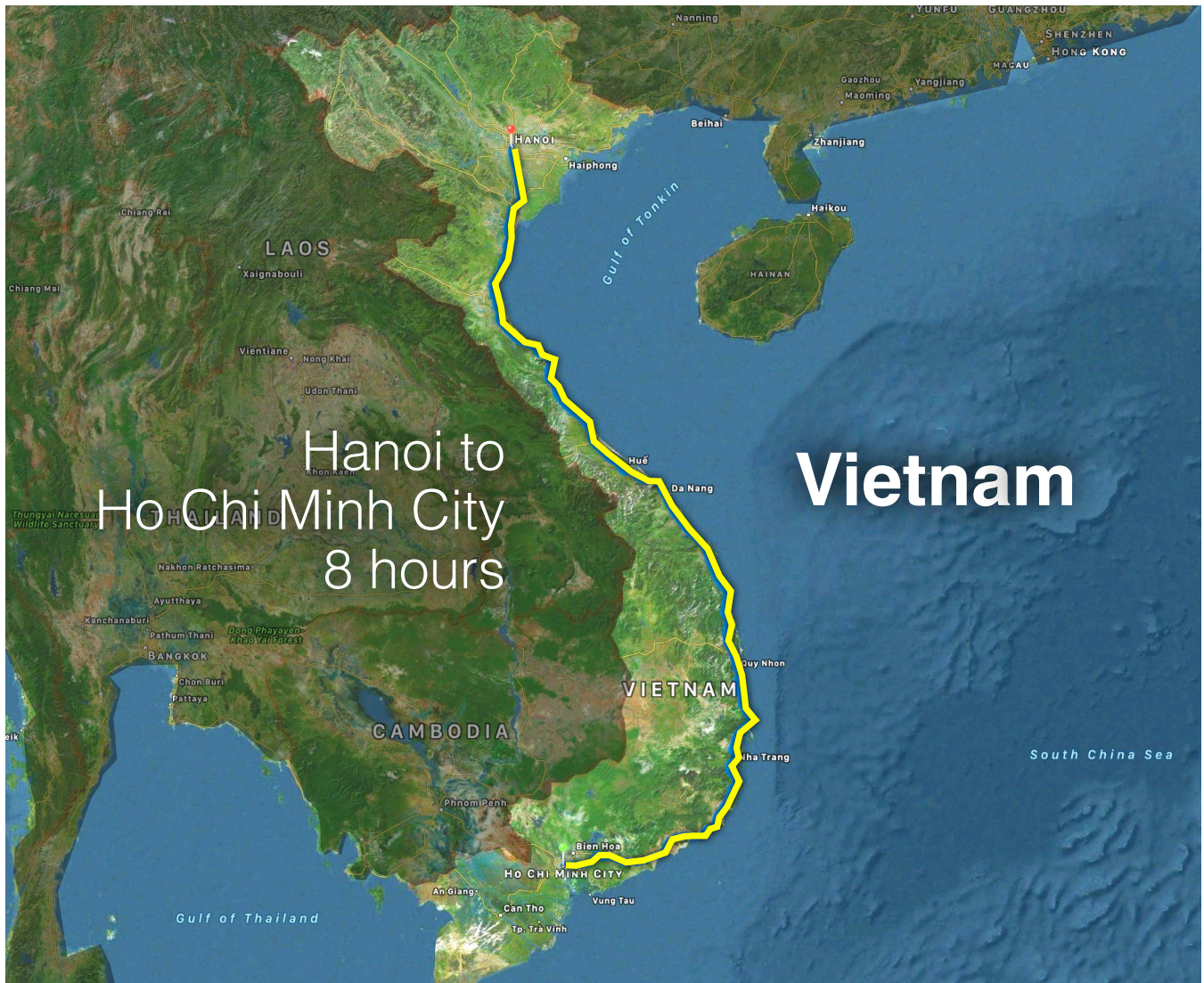
A proposal for a privately-funded solar podway to transport people and goods for

## Vietnam

**2,275 km high-speed network with 52,228 pods and 1,021 stops serving a population of 103.8M**  
(56% of population within 12 min. of a stop)

High capacity • No land use • Nonstop • 24/7  
Sustainable • Zero Wait • High speed • Resilient  
Equitable • Low cost • Low fares • Affordable

551.5 MW solar & wind generation to power 1,001,882 households  
GHG reduction of 444,134 tCO<sub>2</sub>e per year (2B car-km)



We propose to fund, build and operate a podway that provides safe, fast, sustainable, resilient, and equitable transport for people and freight. Generates local renewable energy.

Please watch this overview at [transitx.com/video](https://transitx.com/video)



A podway is lightweight civil infrastructure where a fleet of 100% automated electric vehicles (pods) run along an exclusive, grade-separated micro guideway.

## Environment & Climate

### Green and walkable streets

A podway reduces road traffic and parking which enables streets to transition into green and people-friendly spaces.

### Sustainable, efficient & zero carbon

Podways are all-electric and 100% powered by renewable energy. Pods are 10 times more efficient than electric cars. Podways significantly reduce greenhouse gas (GHG) emissions from transportation.

### No pollution: air, sound, light, heat, and water

Podways are quiet, produce no emissions, and produce no water runoff. Pods have no headlights and podways do not need to be lit. As land area is transformed from black asphalt into green space, heat island effect is expected to be reduced.

### Resilient, dependable & future proof

Podways operate during floods, pandemics, earthquakes, dust/snow/ice storms, high winds, blackouts, and heat waves. Damaged infrastructure can be repaired within 24 hours. If needed, podways can be relocated.

## Health & Safety

### Eliminates crashes

With 100% automation, podways eliminate human errors and impaired driving. Orders of magnitude safer than roadways, this project is projected to eliminate 12,268 road-related injuries and 123 deaths annually.

### Health: improving health and access to care

Podways help prevent the spread of diseases, improve the quality of air and water, eliminate stressful driving, improve access to healthcare, and encourage walking and biking.

### Security: reduce crime and poverty

Pods transport authenticated people and goods that are physically protected and private. There are no crowds or queues. Sleep pods can provide temporary housing for the homeless. Podways reduce crime and poverty by creating jobs and improving access to jobs.

## Financials & Economics

### Low Risk: bonded, guaranteed & proven

A pilot podway was installed near Boston, Massachusetts in 2021. The project's turnkey contracts are with large and reputable firms. Project partners have built and operated fully automated transit systems and projects are fully bonded and service levels are guaranteed. An automated small-vehicle transport (PRT) has been operating with a perfect safety record for 50 years in Morgantown, West Virginia. Podways offer lower risk than any other alternatives.

### No financial commitment from gov't

No government funding, subsidies, guarantees or special tax incentives are necessary. The system's low cost and multiple revenue streams makes it profitable.

### Independent of foreign currency and rates

Projects continue to be viable with higher interest rates and fares are based on median income in local currency.

### Revenue Generator

Rights-of-way owners receive a 5% toll share on revenue which is expected to be 58.7 trillion VND (US\$2.5B) per year.

## Society & Neighborhoods

### No disruption

Construction does not significantly disrupt neighborhoods, businesses, or existing travel. Installation is fast, quiet, and clean using all electric equipment without use of diesel trucks.

### Easements alongside roadways

Podways can fit anywhere because there is no dedicated footprint — pods travel alongside roadways or highways without interfering with roadway traffic.

### Lower visual impact

Podways have significantly less visual impact than roadways, bridges, vehicles, and parking areas. Utility lines are hidden within the podway.

### Fewer cars & trucks

Most trips on a podway will replace trips via cars or trucks which reduces the wear and tear on roads and bridges.

### Economic development and job growth

A podway increases access to jobs, education, food, healthcare, tourist sites, businesses and farms. Faster commutes increase personal time and productivity.

### Jobs and workforce development

The project is expected to create at least 16,070 local construction/manufacturing jobs, directly employ more than 177,210 workers and create at least 968,880 jobs from secondary effects. Transportation workers who get displaced are given priority.

## PASSENGER BENEFITS

### Fast trips

Pods travel non-stop at 72 kph (45 mph) on metro podways and 242 kph (150 mph) on high-speed podways — delivering the fastest door-to-door trips of any travel mode.

### Convenient

Pod stop can be placed on every block and parking lot. Two pod lifts can fit within one car parking space.

### Accessible

Handicap-accessible roll-on pods are always available. Pods accommodate those with atypical needs including elderly, young, overweight, etc.

### Privacy & security

Pods provide the benefits of cars — a private, single-seat trip anytime and anywhere.

### Equitable & affordable fares

Fares are based on distance and set by a formula to assure that trips on podways are affordable and equitable — similar to fares on public transit and much less than a taxi.

75% of fares are capped based on the Fair Fare Formula. The price of a typical shared 2 km trip is 14,607 VND (US\$1.03) or 9,612 VND per km (US\$0.41/km).

### No congestion

Six-pod trains with one-second headway can carry over 21,600 pods per hour — similar in capacity to a 40 lane highway. A pod stop with two lifts has a capacity of 720 vehicle boardings/loadings per hour and fits within a single car parking space.

### Fear, Harassment, Race, Justice, Corruption

Podways eliminate most dangers and fears from public transit and motor vehicles, including traffic stops, robberies assaults, and road-rage. International border crossings can be safer and faster.

## ENERGY BENEFITS

### Generates excess renewable energy

The project will generate 551.49 MW in solar and wind capacity to power 1,001,882 households.

### Batteries and managed loads

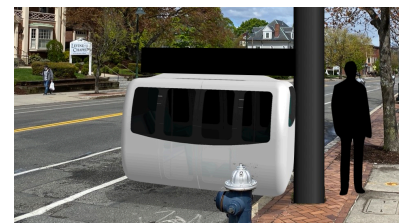
On-demand loads and 752.21 MW of battery storage help power and balance the local grid.

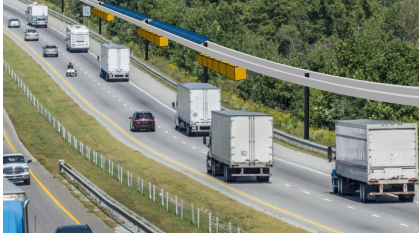
### Integrated utilities

Utility lines are protected inside the podway to improve resiliency and dependability. Supports fiber and 5G towers.

### Distributed grid

A podway supports a distributed grid that can provide direct DC connections to businesses and homes located near the podway.





Temp and Humidity control



Compatible

## FREIGHT BENEFITS

### **Tariffs: predictable & low rates**

Most tariffs are determined by a formula that assures equitable and predictable rates that are much less than trucks. Majority of fares are capped using a formula based on weight, volume, distance, timing, and other factors.

### **Convenient: delivery to dock or door**

Freight — including pallets, parcels, liquids, and bulk — is delivered directly to businesses and residences without the use of trucks.

### **Fast and high capacity**

Total trip time via podway is 5-6 times faster than trucks, and 3-4 times faster than trains. A podway can carry over 21,000 metric tons per hour — similar to the capacity of 1,000 tractor-trailers per hour.

### **Integrated and compatible**

Pods and podways easily integrate with existing roadways, railways, seaports, airports, loading docks, forklifts, pallets, carts, and warehouses.

### **Environmental controls**

Pods can be individually controlled and monitored to maintain required temperature, ventilation, and humidity levels during transport.

### **Dependable**

Automated pods travel on an exclusive covered guideway — eliminating delays from congestion and weather. Delivery times can be guaranteed to the second.

### **Less Damage and Waste**

Smooth ride quality is guaranteed and can reduce the amount of packaging. Reduced handling and transfers reduce potential for damage and loss. Podways are fully automated and provide similar safety levels as commercial aircraft — several orders of magnitude safer than roadways.

### **Secure**

Pods travel non-stop and are physically inaccessible which reduces theft and improves security. Pods can be tracked and monitored in real-time and provide chain of custody guarantees. Border crossings can be safer and take less time and money.

## MEGA DEVELOPMENTS

### **Airports**

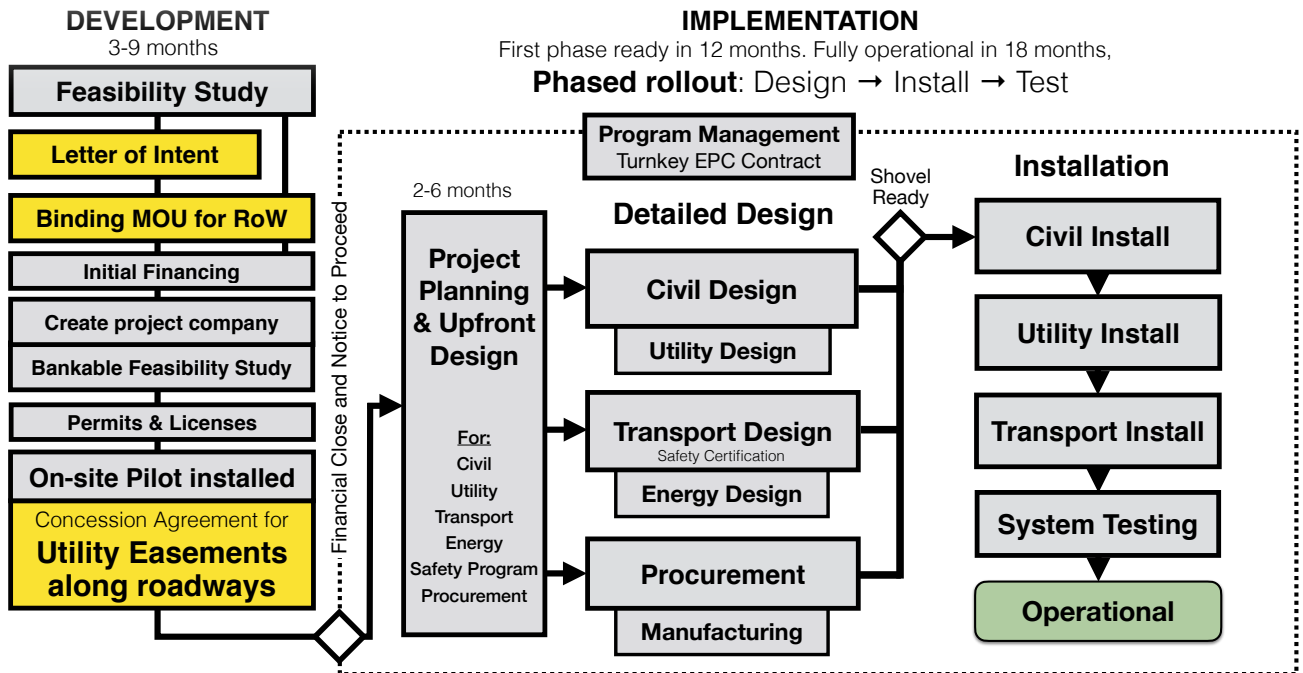
Podways can increase capacity and reduce land use for airports or for terminal expansion projects.

### **Seaports**

Podways can reduce land use and improve loading capacity without deep-water terminals.

### **New Cities**

Podways can reduce cost of building infrastructure, increase density and improve the quality-of-life in a city. See [Chessboard City model](#)



### Financial Viability

The project cost is \$8.2B (\$0.7K per customer, \$3.6M per km) and expected 35,673,455 trips per day (11% mode share) after 4 years. The financials make the project attractive for private investment. An investment document is available upon request.

### Next Steps

To move forward, we need a binding agreement for easements along roadways. Example letters and agreements at: [transitx.com/process](http://transitx.com/process)

For more information — including presentations, other proposals, and videos — visit [transitx.com/Vietnam](http://transitx.com/Vietnam)

A 110+ page feasibility study is available under a non-disclosure agreement by emailing [hello@transitx.com](mailto:hello@transitx.com). The feasibility study answers many questions about the project, the company, the system, and detailed analysis of capacity, parking, road safety, pedestrian safety, accessibility, sustainability, fares, renewable energy & storage, construction, aesthetics, operations, economic development, quality of service, security, station footprint, equitability, carbon footprint, transit integration, resiliency, reliability, rights-of-way, and open space.

We look forward to answering your questions and moving forward on a project.

Sincerely,

