

A proposal for a  
**Privately-financed  
Public Transit Podway for  
Lumbini Province, Nepal**

232 km network with  
8,776 pods and 156 stops serving  
85% of population within 8 min. of a stop.

**High capacity • High speed • Nonstop • 24/7  
Sustainable • Zero Wait • Door-to-door • Resilient**



Hello.

We propose to build and operate a privately-financed public transit podway that eliminates issues with **traffic congestion, parking, pollution, and safety.**

Please watch a 6-minute presentation at [transitx.com/v](http://transitx.com/v)



A podway is a fleet of automated electric vehicles (pods) for passengers and freight on a micro-guideway providing equitable public transportation to replace cars, buses, trains, and trucks.

**Privately Financed**

No government funding, subsidies, guarantees or special tax incentives are necessary. The system is very low cost so revenue from fares, freight, and advertising makes it profitable.

**Equitable fares**

The majority of fares are regulated based on a formula that assures equitable fares. A shared trip is 5 NPR per km (US\$0.04/km), and the price of a typical 2 km trip is 8 NPR (US\$0.07).

**Jobs and Workforce Development**

The project will create 5,664 local construction/manufacturing jobs, directly employ 7,952 workers, and create 107,984 jobs from secondary effects. Transportation workers who get displaced are given priority. We welcome labor unions.

**Eliminates traffic congestion**

A podway provides over 40,000 passenger seats per hour — more capacity than a 20 lane highway. In the space of one parked car, a pod stop has a capacity of 2,000 passenger boardings per hour.

**Green and Walkable**

A podway removes vehicular traffic from roads, enabling streets to transition into green and pedestrian-friendly spaces.

**Disease and Health**

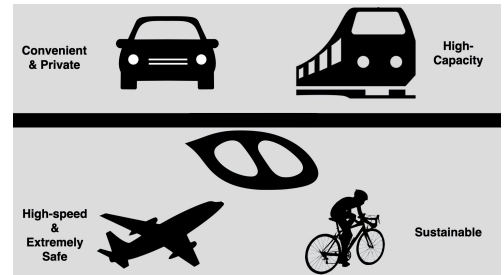
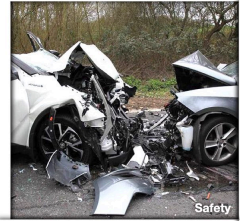
The system prevents the spread of diseases, makes healthcare facilities easily accessible, and encourages walking.

**Zero Footprint**

A podway has no dedicated footprint — pods travel above roads. Existing utility lines can be relocated within the guideway. A pod landing fit within half of a car parking space.

**Faster commutes**

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.

**Eliminates pollution: Air, Sound, Light, Water**

Pods are quiet, efficient and have zero emissions. Pods offer less visual impact than the existing roads and vehicles. Pods don't have headlights and podways do not need to be lit.

**Sustainable and Efficient**

Pods achieve over 20 times the efficiency of electric cars. Renewable energy provide 100% of system's energy. Expected 45% reduction in green house gas (GHG) emissions from transportation.

**Resiliency**

System continues to operate through flooding, earthquakes, dust/snow/ice, high winds, blackouts, demonstrations, and heat waves.

**Economic Development & Societal Benefits**

A podway has positive impacts on education, food security, healthcare access, agriculture, tourism, and reduces poverty and homelessness. The median income would increase by 30%.

**Safety**

Podways are orders of magnitude safer than roadways, and would eliminate 2,222 road-related injuries and 22 deaths annually.

**Fear, Harassment, Race, Justice, Corruption**

Podways eliminate dangers and fears from operating motor vehicles, including traffic stops, road-rage, and impaired driving. Border crossings can be safer and take less time and money.

**More Public Transit & Fewer Cars**

Pods provide the convenience and privacy that people value in cars, without their negative impacts. A podway combines the best features of mass transit and personal cars.

**Minimal Disruption from Construction**

Construction is not disruptive and takes 12 months.

**Bonded, Guaranteed and Proven**

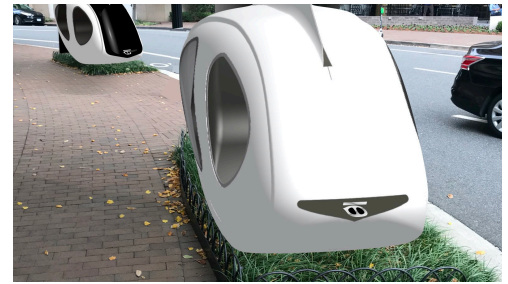
The project's turnkey contracts are with large, established firms. Projects are fully bonded and service levels are guaranteed. Our partners have built and operated fully automated transit systems. The core concept is similar to systems that have been operating safely for 40 years.

**Revenue Generator**

Rights-of-way owners receive a 5% toll share on revenue which is expected to be US\$24,946,764 per year.

**Lowest Risk**

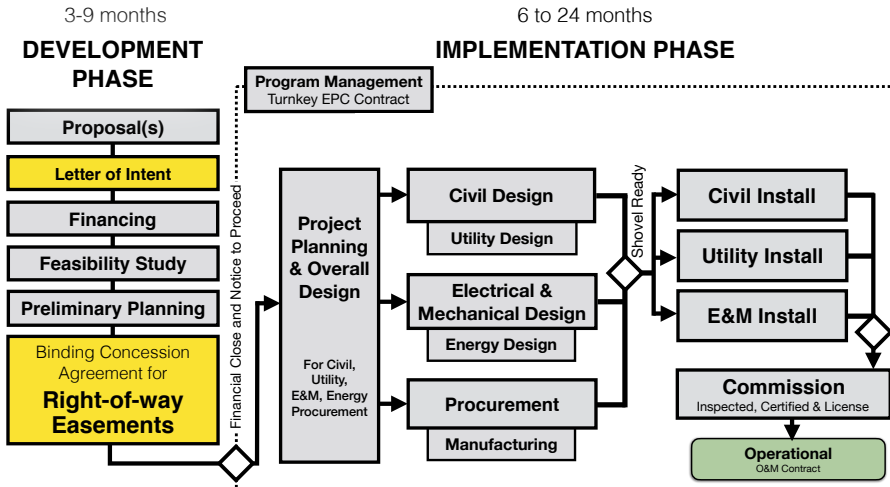
A podway provides compelling benefits with much less risk than other options.



**Move to ZERO**

- Ø Congestion
- Ø Waiting
- Ø Pollution
- Ø Crashes
- Ø Footprint
- Ø Downtime
- Ø Energy
- Ø Disruption
- Ø Crime
- Ø Illness
- Ø Distance
- Ø Weight
- Ø Excluded
- Ø Noise
- Ø Cost
- Ø Job loss
- Ø Objections
- Ø Cars
- Ø Inequity
- Ø Risk





**Financial Viability**

The project cost is US\$843,370,000 (98,674,726,946 NPR) (\$187 per capita, \$3.6M per km) and expected 6,101,705 trips per day (45% mode share) after 4 years with breakeven at 45% (2,774,329 trips per day). Project has a 5.3 year payback period, gross margin of 66%, estimated 9% Equity IRR at year 5, and 49% cost to value. These numbers make the project financially attractive for private investment. A pro-forma and feasibility study is available.

**Next Steps**

To move forward, we need a Memorandum of Understanding for entering a long-term agreement for rights-of-way easements. Example letters and agreements at: [transitx.com/process](http://transitx.com/process)  
 More information including presentations, documents, and links to related proposals at [transitx.com/Nepal](http://transitx.com/Nepal).

The Podway Handbook answers many questions about our service, the company, the system, and the way we address: congestion, 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.

A 100+ page custom pre-feasibility study and ridership-revenue study is available under a non-disclosure agreement. Contact us at [hello@transitx.com](mailto:hello@transitx.com). We look forward to answering your questions and moving forward on a project.

Sincerely,

