



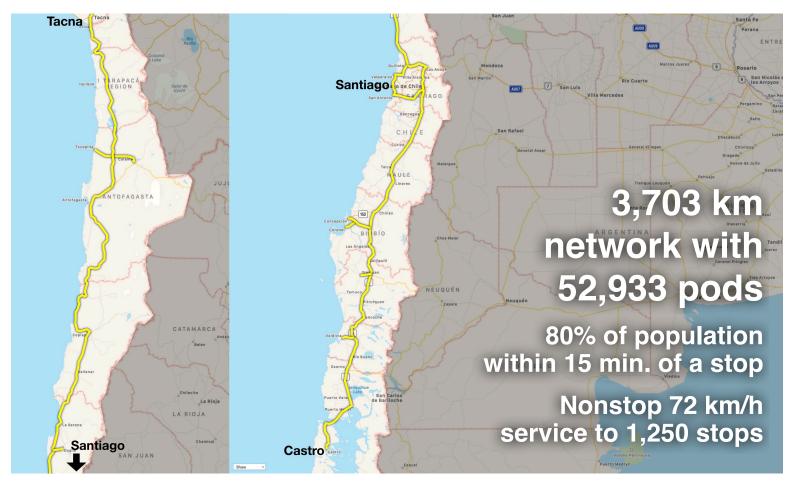
Transit X presents a preliminary proposal for a sustainable micro-guideway network — a fleet of automated electric vehicles (pods) for passengers and freight on a local and regional podway providing equitable public transportation for

Chile

This proposal is downloadable at transit.x.com/proposals/Transit.x.com/proposa

High capacity · High speed · Nonstop · 24/7 Solar powered · Zero Wait · Door-to-door · Resilient

A companion Transit X Handbook is available at transitxhandbook.pdf



Proposal Overview



Transit X proposes to finance, build and operate a sustainable microguideway to carry passengers and freight for Chile that makes the Transit X service convenient to 80% of the population.

Transit X efficiently services both suburbs and cities and provides for a higher quality of life. See transitx.com for more details. This 3-minute video (transitx.com/video) describes our innovative solution.

Major benefits

- · Reduce congestion
- · Provide parking relief
- · Reduce pollution
- Improve safety

The Transit X Handbook (<u>transitx.com/</u> <u>transitxhandbook.pdf</u>) answers many questions about our service, the company, our technology, and the way we address: congestion, parking, road safety, pedestrian safety, ADA compliance, sustainability, fares,



solar+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.

Congestion, parking, pollution, and safety

Most regions suffer from traffic congestion, limited parking, air pollution, and unsafe roads. Potential solutions are costly, but Transit X can solve these challenges without public funding. Transit X can integrate into the built environment, providing both short term relief and a long term solution.

High Capacity & High Speed

A single track carries 12,000 pods per hour (20,000 to 50,000 passengers per hour). Two boarding areas fit in a single car space and provide 2,000 boardings per hour. For urban commutes, pods trips are 3 times faster than car trips and the high-speed podway provides faster door-to-door trips than air travel for distances of 1,000 miles or less.

Zero Footprint and Minimal Disruption

Transit X features stops that don't interfere with pedestrians or other forms of transportation. We use easements alongside highway and roads and integrate utility lines and poles Non-stop interchanges fit above existing intersections. Factory-built tracks and posts enable fast installation with minimal disruption. There are options for long crossings using bridges or underground tunnels. Posts are typically spaced at 23 m (25 yds).

Low-cost Infrastructure & equitable fares

Transit X does not require government funding because our revenue from fares, freight, and advertising is greater than our costs. We have reduced or eliminated many costs of transportation including the cost of materials, land, construction, fuel, debt service, and labor. Our projects are typically financed by investment banks, private equity firms, banks, and governments.

Proven technology

Our team and partners have built fully automated systems that are now in operation around the world. Transit X may look unique, but the underlying design is very similar to systems that have been operating for 40 years with an exemplary safety record. The rollout and maiden flight occurred on Oct 29, 2018 in Leominster, Massachusetts. The first Transit X system will be demonstrated by the end of 2019.

Service Quality

Transit X provides on-demand, last-mile service that is superior to cars or buses. An operating agreement will guarantee high levels of availability and reliability. Our use of small vehicles (pods) makes this possible. By reducing car use, Transit X creates walkable and bike-friendly neighborhoods.

Less pollution: Air, Sound, Light, Visual, Water

Transit X offers a much higher quality of life by eliminating many forms of pollution. Pods are quiet, efficient and have zero emissions. Pods offer less visual impact than the existing roads and vehicles, and utility lines can be hidden within the track. At night, there is no light pollution from headlights or taillights. Water pollution from road runoff is significantly reduced. Parking lots and roadways can be converted into green space and community paths as they become unnecessary.

Sustainable and Efficient

Pods weigh only 55 kg (121 lbs) and achieve over 20 times the efficiency of electric cars. Solar, wind, and storage installed on our tracks and posts can provide 100% of the clean energy needed to power the system.

More Transit & Fewer Cars

Transit X provides the convenience and privacy that people value in cars, yet without the negative impacts of personal cars. Transit X combines the best of mass transit and personal transportation modes which will lead to greater use of public transit and fewer cars.

De-risking Projects

Transit X partners with large, established firms to provide fixed-price contracts for the engineering, certification, construction, and operations of a Transit X system. Theses partnerships enable Transit X to de-risk all of the major elements of the project, and provide performance guarantees. We work with local construction firms.

Jobs and Workforce Development

Many regional jobs will be created to build a new transportation infrastructure, as well many new types of jobs will be created from economic growth. The majority of

the construction jobs will be locally sourced and preferential hiring is given to those displaced by the transition.

Revenue Generator for Government

Not only does Transit X not require public financing, but the government and private easement owners receive 4-5% of gross revenue, which would be US\$99 million per year average over the first 10 years.

Short and Long Term Solution

A project could be operational within 24 months from the start of a project. Transit X offers a rapidly-deployable solution that provides long term benefits. We would form a local company to build, operate, and maintain the network. At least 75% of the profits would be invested back into the region.

Moving Forward

The diagram shows our process for a project. We submit a project proposal, then ask for a commitment for Transit X to build and operate a podway along rights-of-way easements. Example documents and a sample project schedule can be viewed at:

transitx.com/process

Process Project Financing Proposal(s) & Installat **Fixed Civil** Engineering infrastructure Surveys, Permits, Geotechni Tracks and Pole: & Utility relocation **Binding** Ridership-Revenue **Agreement** o let Transit X Commissioning & Certification of Build **Environmental Rolling Stock** and Operate **Podways Legal Framework** Operational 3-6 months 12 - 24 months 12 - 18 months

Evaluation

Please review our

preliminary proposal, and then ask us any questions. We would be happy to provide further information, address specific concerns, or meet with specific people or groups. Any routes or coverage areas shown on the map are only preliminary suggestions and actual routes would be determined based on needs, rights-of-ways, utility corridors, location of trees, and many other factors.

We expect this proposal to be reviewed by one or more committees or working groups. Familiar transportation options, such as buses, light rail, subways, and ridesharing services (including autonomous vehicles) may have already been considered. Very few options offer the convenience of cars with at least the capacity of buses, and most, if not all, require public funding and subsidies.

Private cars have a dominant mode share because people like the privacy and convenience of a car — despite the significant risks and negative impact associated with them. People won't give up their cars unless the alternative is both better and cheaper. That is what Transit X can provide.

We hope you agree that this proposal offers a way to address your challenges in both the short and long term, providing an option that is better and lower risk than any alternative — including continuing with the status quo.

We hope you will conclude that moving forward with Transit X is an excellent opportunity to meet your current and future challenges.

Once we agree to move forward, we look to receive a commitment for Transit X to build and operate a podway along rights-of-way easements.

Other Resources

The links below provide general information about Transit X:

- One minute video overview (transitx.com/video)
- 7 minute video presentation (https://vimeo.com/36606646/eac953c0cc)
- Transit X Handbook (transitx.com/transitxhandbook.pdf)
- Company profile (transitx.com/about.pdf)
- Other proposals (<u>transitx.com/proposals</u>)
- The process and templates for agreements (transitx.com/process)

Addendum

The remaining pages of this proposal provide project-specific details:

- Project Overview and Impact pages 6 and 7
- Taxes and Fees pages 8 and 9
- Fares page 10 and 11
- Financial Project Summary with Pro Forma pages 12 and 13

We look forward to working with you to improve the quality of life for Chile through better transportation.

Sincerely,



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Telephone: +1 508-596-7024 (WhatsApp connected)

Zoom e-room: https://zoom.us/j/8229009123

Website: transitx.com

Twitter: http://twitter.com/TransitXCorp

Mail: 1127 Commonwealth Ave #30, Boston, MA 02134 USA







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1	Transit X network length	3,703	km	
2	People (resident-equivalent) in region	17,574,003	resident-equivalent po	pulation
3	Route density ratio (route length to service area)	0.08		
4	Number of stops	1,250		
5	Triple-speed route length	0	km	
6	Water crossing route length	0	km	
7	Cost of fixed infrastructure	\$13,431,968,287		
8	per person	\$764		
9	Mode share of travel on Transit X (4% after first year)	12%	after 10 years	
10	Distance traveled by passengers on Transit X, per year	20,880,003,356	km	
11	per day	57,205,489	km	
12	Daily potential energy generation with standard panels on tracks	28,441.6	MWh	
13	Sustainable energy use per day	225.8	MWh	1.0% of max capacity
14	Energy storage capital cost for 1 day(s) of supply at \$250 per kWh	\$56,461,607		
15	Size (rated power) of solar installation	52,506	KW	
16	Cost to generate sustainable energy (at \$1,000 per kW)	\$52,505,698		
17	Cost of buying sustainable energy at \$0.15 per kWh	\$33,877	per day	2% of OPEX
18	Daily passengers riding Transit X		customers	4% of the pop.
19	Distance per passenger per day	81	km	
20	Average distance per trip (assuming 3 trips per day)	27	km	
21	Single passenger fare for shared 27 km trip	\$1.38	959.00	Peso
22	Passenger distance traveled during peak hour	11,441,098		
23	Breakeven			0% of expected and 7% o Transit X)
24	Boarding capacity		passengers per hour (6	
	~ · · ·			
25	Number of pods for peak demand	52 933	node at 12% mov	de chare
25 26	Number of pods for peak demand		pods at 12% mod	
26	Number of customers per pod	13.3	and 332 people per	
26 27	Number of customers per pod Distance per pod per year	13.3 168,191	and 332 people per km	pod
26 27 28	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side-parking)	13.3 168,191 58,226	and 332 people per km $$\rm{m}^{2}$$	
26 27 28 29	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side–parking) Cost of pods	13.3 168,191 58,226 \$344,064,500	and 332 people per km m ² is \$15 per person	pod
26 27 28 29 30	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side–parking) Cost of pods Capital cost of energy generation and storage	13.3 168,191 58,226 \$344,064,500	and 332 people per km $$\rm{m}^{2}$$	pod
26 27 28 29 30	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side–parking) Cost of pods Capital cost of energy generation and storage roject Finances	13.3 168,191 58,226 \$344,064,500 \$141,657,497	and 332 people per km m² is \$15 per person is \$8 per person	pod 0.1% of car parking
26 27 28 29 30 31 P I	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side-parking) Cost of pods Capital cost of energy generation and storage roject Finances Total Project Cost	13.3 168,191 58,226 \$344,064,500 \$141,657,497 \$13,917,690,284	and 332 people per km m ² is \$15 per person is \$8 per person	pod 0.1% of car parking
26 27 28 29 30 31 PI 32	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side–parking) Cost of pods Capital cost of energy generation and storage roject Finances Total Project Cost Project cost per km	13.3 168,191 58,226 \$344,064,500 \$141,657,497 \$13,917,690,284 \$3,758,158	and 332 people per km m² is \$15 per person is \$8 per person 9,686,712,437,719 per km	pod 0.1% of car parking Peso
26 27 28 29 30 31 Pi 32 33 34	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side–parking) Cost of pods Capital cost of energy generation and storage roject Finances Total Project Cost Project cost per km Equity financing	13.3 168,191 58,226 \$344,064,500 \$141,657,497 \$13,917,690,284 \$3,758,158 \$4,175,307,085	and 332 people per km m² is \$15 per person is \$8 per person 9,686,712,437,719 per km 2,906,013,731,316	pod 0.1% of car parking Peso Peso
26 27 28 29 30 31 Pi 32 33 34 35	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side–parking) Cost of pods Capital cost of energy generation and storage roject Finances Total Project Cost Project cost per km	13.3 168,191 58,226 \$344,064,500 \$141,657,497 \$13,917,690,284 \$3,758,158 \$4,175,307,085	and 332 people per km m² is \$15 per person is \$8 per person 9,686,712,437,719 per km	pod 0.1% of car parking Peso Peso
26 27 28 29 30 31 PI 32 33 34 35 36	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side–parking) Cost of pods Capital cost of energy generation and storage roject Finances Total Project Cost Project cost per km Equity financing	13.3 168,191 58,226 \$344,064,500 \$141,657,497 \$13,917,690,284 \$3,758,158 \$4,175,307,085	and 332 people per km m² is \$15 per person is \$8 per person 9,686,712,437,719 per km 2,906,013,731,316	pod 0.1% of car parking Peso Peso
26 27 28 29 30 31 PI 32 33 34 35 36 37	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side–parking) Cost of pods Capital cost of energy generation and storage roject Finances Total Project Cost Project cost per km Equity financing	13.3 168,191 58,226 \$344,064,500 \$141,657,497 \$13,917,690,284 \$3,758,158 \$4,175,307,085	and 332 people per km m² is \$15 per person is \$8 per person 9,686,712,437,719 per km 2,906,013,731,316	pod 0.1% of car parking Peso Peso
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26 27 28 29 30 31 Pi 32 33 34 35 36 37 38 39	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side–parking) Cost of pods Capital cost of energy generation and storage roject Finances Total Project Cost Project cost per km Equity financing Debt financing	13.3 168,191 58,226 \$344,064,500 \$141,657,497 \$13,917,690,284 \$3,758,158 \$4,175,307,085 \$9,742,383,199	and 332 people per km m² is \$15 per person is \$8 per person 9,686,712,437,719 per km 2,906,013,731,316 6,780,698,706,403	pod 0.1% of car parking Peso Peso Peso
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26 27 28 29 30 31 PI 32 33 34 35 36 37 38 39 40 41 42 43	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side–parking) Cost of pods Capital cost of energy generation and storage roject Finances Total Project Cost Project cost per km Equity financing Debt financing Debt financing Number of customers per pod Post of pods Capital cost of route with side–parking) Debt Service (per year) Yearly fees and taxes (US\$7 per capita)	13.3 168,191 58,226 \$344,064,500 \$141,657,497 \$13,917,690,284 \$3,758,158 \$4,175,307,085 \$9,742,383,199 \$1,656,205,144 \$124,428,677	and 332 people per km m² is \$15 per person is \$8 per person 9,686,712,437,719 per km 2,906,013,731,316 6,780,698,706,403 1,152,718,780,089 86,602,358,914	pod 0.1% of car parking Peso Peso Peso Peso Peso Peso
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26 27 28 29 30 31 PI 32 33 34 35 36 37 38 39 40 41 42 43 44	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side–parking) Cost of pods Capital cost of energy generation and storage roject Finances Total Project Cost Project cost per km Equity financing Debt financing Debt financing Project cost per capita) OPEX + Debt service + Tax + Fees Project costs — per person Number of motor vehicles displaced Yearly cost of cars displaced — per person	13.3 168,191 58,226 \$344,064,500 \$141,657,497 \$13,917,690,284 \$3,758,158 \$4,175,307,085 \$9,742,383,199 \$1,656,205,144 \$124,428,677 \$792 2,088,000 \$1,069	and 332 people per km m² is \$15 per person is \$8 per person 9,686,712,437,719 per km 2,906,013,731,316 6,780,698,706,403 1,152,718,780,089 86,602,358,914	pod 0.1% of car parking Peso Peso Peso Peso Peso Peso Peso Peso
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26 27 28 29 30 31 PI 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Number of customers per pod Distance per pod per year Two-layer pod garage area (2% of route with side–parking) Cost of pods Capital cost of energy generation and storage roject Finances Total Project Cost Project cost per km Equity financing Debt financing Debt financing Peroject costs — per person Number of motor vehicles displaced Yearly cost of cars displaced — per person Operating costs per passenger-km	13.3 168,191 58,226 \$344,064,500 \$141,657,497 \$13,917,690,284 \$3,758,158 \$4,175,307,085 \$9,742,383,199 \$1,656,205,144 \$124,428,677 \$792 2,088,000 \$1,069 \$0.03	and 332 people per km m² is \$15 per person is \$8 per person 9,686,712,437,719 per km 2,906,013,731,316 6,780,698,706,403 1,152,718,780,089 86,602,358,914 551,196 motor vehicles 744,238 km	pod 0.1% of car parking Peso Peso Peso Peso Peso Peso Peso Peso





Impact of proposed network

1	Reduction in GHG emissions (metric tons CO2-eq)	2,061,900 MTCO2-eq annually
2	Estimated cost to maintain public roadways	\$779,087,491 annually
3	Reduced waste products	334,602 metric tons annually
4	Travel time saved (non-stop travel and congestion)	1,444 hrs/person annually
5	Cost savings from reduced car ownership	\$15,898 per person annually
6	Increase in household income (from time savings and car costs)	248%
7	Reported injuries avoided	12,946 annually
8	Lives saved (from safety)	129 annually
9	Land freed from parking (11,867 acres)	48,024,008 m ²
12	Temperature reduction (from heat island effect & GHG reductions)	0.5 to 2 °C
11	Health care savings (from pollution, injuries)	High

Model Input

	woder inputs						
15	Ratio of road length to track length	4					
16	Walking speed	4.9	km/h				
17	Width of convenient swath along track	9.80					
18	Fixed cost per km (track & posts)		1,941,840,000	Peso			
19	Water crossing: additional cost per km	\$8,370,000	,- ,,				
20	Triple-speed: additional cost per km	\$5,580,000					
21	Rate factor for water crossings or high-speed links.	2.2					
	Average distance traveled per person per year						
22	(for trips under 1600 km)	10,000	km				
23	Average distance per day per person	27	km				
24	Mode share % of people convenient to Transit X	85%	at 5 min walk.				
25	Percentage of daily demand during peak hour	20%					
26	Maximum capacity per track	40,527	pph				
27	Average dwell time during peak hour	10	seconds				
28	% of pods traveling on route with highest demand	18%					
29	Average speed of pod	72	km/h	45 mph			
30	Average # of trips for a daily customer	3	per day				
31	Average passengers per pod during peak hours	3.8	passengers				
32	Average passengers per pod	2.3	passengers				
	Average discount per passenger	26%					
33	Maximum passengers per pod		passengers				
34	Empty pods: Percentage non-revenue	25%					
35	Ex-Factory cost per pod	\$5,000	3,480,000	Peso			
36	Worldwide Median Income per Household (US\$)	10,000	6,960,000				
37	Average number of residents per household	2.3		Peso			
38	Base fare per km	\$0.08	59.0	Peso			
39	(per mile)	\$0.14	94.9	Peso			
40	O&M as % of project cost	5%					
41	Percentage debt financed	70%					
42	Length of loan/debt		years				
43	Interest rate for debt	7%					
44	kg CO2 emissions per liter of gasoline	2.37		_			
45	Monetary value of 1 hour personal time (USD)	\$1.88	1,305				
46	Eat. roadway maintenance per year per km	\$51,000	35,496,000	Peso			
47	Area of one parking lot space		m ²	D.			
48	Commercial income of land (annual)		per m ²	Peso			
49	Distance from roadway that is convenient	2.97	кm				
50	Stops per km	0.3					
51	Boarding capacity per stop	360	ppn				
52	Solar panel area per meter of track	2.0	nor IdA/la				
53	Cost of sustainable energy and storage Global Horizontal Irradiance (GHI)		per kWh				
54	Cost to generate sustainable energy		kWh/m²/day per kW				
55	Storage per column	. ,	kWh				
56	Typical span	23		44			
57	Energy storage cost		per kWh				
58 59	Energy storage cost		days				
60	Area of parked pod	2.20	•				
	Distance discount at max distance	40%					
61 62	Max distance discount	500	km				
63	Max usage discount at 10,000 km per capita	50%					
64	Shared Pod Discount	20%					
65	Shared Pod Compartment Discount	40%					
66	Mode share starting discount	67%					
00	mode ondre oddring diobodin	0.70					

Model Inputs (continued)

68	Name of region or project	Chile
69	Currency name	Peso
70	Equal to US\$1	696
71	Sustainable energy/electricity generation & storage as	CAPEX
72	Land area of region (sq. km)	756,096
73	Number of residents in region	17,574,003
74	% travel within region	99%
75	% of land area served by roads	6%
76	Coverage: % of pop. convenient (60 min walk) to Transit X	80%
77	Annual median household income (US\$)	\$7,500
78	Convenient walk time to stop (min)	60
79	Triple-speed route length (km)	0
80	Water crossing route length (km)	0.0
81	Visitors per year	0
82	Average length of visit (days)	2
83	Solar production ratio	1.57
84	Regional Fare Factor	1.0
85	EPC costs & contingency	30%
86	Triple-speed (km/h)	242
87	Daily Passengers Adjustment	300%
88	Number of Stops Adjustment	100%
89	Mode Share Adjustment	100%

Pod & Car

		Pod	Car
87	Service life (years)	20	12
88	Full cost of vehicle per year	\$200	\$9,000
89	Public cost to maintain infrastructure (per km)	\$0	\$100,000
90	Energy consumption (MPGe)	3564	24
91	Energy consumption (liters/100km)	0.07	9.8
92	Energy consumption (Watt-hours/km)	9	1375
93	mass of CO2 per vehicle per km (kg)	0	0.09875
94	Vehicle mass (kg)	45	1950
95	Average speed of urban travel (km/h)	72	16
96	Typical travel time (in minutes) for 27 km trip	23	102
97	Fare/cost per km	\$0.08	\$0.62
98	Number of deaths per 100M passenger-km	0.00001	1
99	Number of injuries per 100M passenger-km	0.0006	62
100	Volume to park (cubic meters)	5.7	70.9



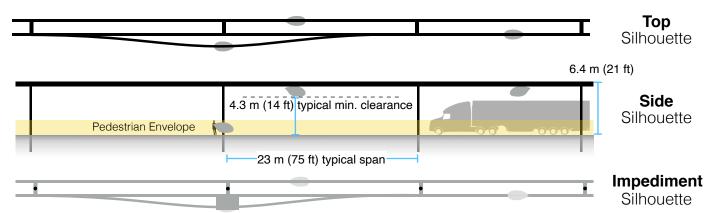
5% of gross revenue is paid for air rights and local taxes.

A minimum payment is based on the Footprint and the Transit X Commercial Rate (TXCR).

1	Air-rights and Local Taxes		(for calculating n	ninimums)	
2	Total commercial land (estimated)	4,536,576,000	m²		acres
3	Total commercial gov't revenue (US\$)	\$680,486,400		473,618,534,4 00	Peso
4	TXCR (Transit X Commercial Rate)	\$0.15	per m ² (estimated)	104.4	Peso
5	TXCR is the yearly tax rate per land area. Calculation: total land area of commercial properties in the governmental region, divided by all the governmental income generated by those properties. The TXCR is used to calculate the minimum tax/fee.		,		
6					
7	Private Easement Fees	For exam	ole		
8	4% of gross revenue	\$6.72	per route-meter		
9	Minimum per year	\$0.22	per route-meter		
	T	<u>-</u>			
10	Transit X payment to Gover	rnment			
10	% of route on government easements		estimated		
	• •			85,216,721,17 1	Peso
11	% of route on government easements	98%		85,216,721,17 1 4,849	
11	% of route on government easements Total air-rights and local taxes	98% \$122,437,818	per year	1	Peso
11 12 13	% of route on government easements Total air-rights and local taxes per resident	98% \$122,437,818 \$7	per year	1 4,849 574,608,700	Peso
11 12 13 14	% of route on government easements Total air-rights and local taxes per resident	98% \$122,437,818 \$7 \$825,587	per year	1 4,849 574,608,700	Peso Peso
11 12 13 14 15	% of route on government easements Total air-rights and local taxes per resident with a minimum of	98% \$122,437,818 \$7 \$825,587	per year	1 4,849 574,608,700	Peso Peso
11 12 13 14 15	% of route on government easements Total air-rights and local taxes per resident with a minimum of Other financial benefits to	98% \$122,437,818 \$7 \$825,587 Government	per year	1 4,849 574,608,700	Peso Peso
11 12 13 14 15 16	% of route on government easements Total air-rights and local taxes per resident with a minimum of Other financial benefits to Less road maintenance from lower VMT	98% \$122,437,818 \$7 \$825,587 Government and lanes	per year	1 4,849 574,608,700	Peso Peso

Footprint calculations for minimum fee

Yearly fees and taxes



Pod landing area: 1.5m x 2.5m with 3m minimum spacing

1	Footprint Calculations	Metric		Imperial
2	Track width	0.30	m	
3	Track height	0.60	m	
4	Post diameter	0.3	m	
5	Post cross section	0.07	m ²	
6	Stop landing area	<u>3.75</u>	m ²	
7	width	<u>1.5</u>	m	
8	length	<u>2.5</u>	m	
9	Ramp length	21		
10	Typical Span	<u>23</u>		
11	Number of posts per unit length	<u>43.5</u>	poles per km	
12	Post height	<u>6</u>	m	
13				
14	Single track	1022.1	m ²	
15	Area of Side Silhouette	678.3	m ²	
16	Area of Top Silhouette	313.1	m ²	
17	Impediment Area (adjusted)	30.7	m ²	
18				
19	Dual track	1322.1	m ²	
20	Area of Side Silhouette	678.3	m ²	
21	Area of Top Silhouette	613.1		
22	Impediment Area (adjusted)	30.7	m ²	
23	· , ,			
24	Stop	82.1	m ²	
25	Area of Side Silhouette	25.2		
26	Area of Top Silhouette	19.4		
27	•	07.5	0	
27	Impediment Area (adjusted)	37.5	m²	
28				
29	Stops with dedicated landing areas	2	stops per km	
30	% of dual track	100%		
31				
32	Average area per unit length	1.486	m² per route-km	
33	Andrage area per anni longui	.,	m por route km	
34	Contract values			
35	% gross revenue for government on private prop.	1%		
36	% gross revenue for private easement	4%		
37	% gross revenue for private easement % gross revenue for government easement	5%		
38	Impediment Factor	10		
00	impediment ractor	10		



Fair Fare Formula

Summary

Faster travel saves a household 295 hours per year.*

At 35.38 Peso per km, a typical commute on Transit X is

17% less than public transit and 74% less than a Taxi.*

Trin Lenath

8 to 30 minutes

			Trip Length	
A	I prices in Peso	2 km	10 km	40 km
	Transit X	70.56 to 117.73 2 min., 3.6x faster	349.03 to 584.87 8 min., 3.6x faster	1,339.54 to 2,282.87 33 min., 3.4x faster
Public transit average		395.49	629.11	922.23
sepou	Taxi	548.31 2 to 6 minutes	2387.82 8 to 30 minutes	9285.97 30 to 120 minutes
Common public modes	Uber/Lyft	417.43 2 to 6 minutes	1719.23 8 to 30 minutes	6601.00 30 to 120 minutes
non pı	Public Bus	318.38 3 to 12 minutes	318.38 15 to 60 minutes	488.18 60 to 240 minutes
Comr	Train	477.56 2 to 12 minutes	562.46 8 to 60 minutes	880.84 30 to 240 minutes
Personal car		424.53	1273.66	4457.89

	Avg. Speed	Low Speed	High speed				Min Dist	Max Dist.	Time cost	Mode 6%	shar 70%	
Travel mode	km/h	km/h	km/h	Base	Includ es km	Over per-km	km	km	per min	2	10	40
Taxi	30	20	80	18.38	1	159.19	0.5	100	141.50	5%	4%	1%
Uber/Lyft	30	20	80	54.70	1	127.35	0.5	100	70.75	10%	10%	2%
Public Bus	15	10	40	18.38	20	8.49	0.5	50	0	50%	50%	40%
Train	30	10	80	77.56	2	10.61	2	100	0	35%	36%	57%
Transit X	72	72	72	0	0	35.38	0.1	50	0	-	-	-
Personal car	30	20	80	12.25	0	106.13	0.1	400	0.03	-	-	-

2 to 6 minutes

30 to 120 minutes

Base fares are set for first 5 years, then adjusted by formula. A 20% discount on a shared pod and a 40% discount on a shared compartment. Trips are discounted proportional to their length reaching a maximum of a 40% discount on a 500 km trip. No congestion–based pricing. Fares are proportional to the median income of the area and inversely proportional to per capita use, so the more use of Transit X, the lower the base fare up a to 50% discount. The amount of market–rate fares must be less than the amount of discounted fares. Transit X Fair Fare Formula and Fair Freight Formula is universal and applies to all regions and all times.

^{*} All numbers on mode shares, speeds, and costs are rough estimates..



Fair Fare Formula

Fare rates are updated annually using this formula

_	Name	Value	Units	Description of the value or model input	In USD
	GlobalIncome	6,960,000	Peso	Global median household income. Updated annually based on most recent standard published data.	10,000
	AllTravel	23,000	km	Travel distance per household per year on any mode for trips under 1600 km. A global constant	
	PercentIncomeForTr ansport	20%		% of median household income for all transportation under 1600 km trips. A global constant.	
	GlobalRate	60.52	Peso/km	•	0.09
5	IncomeFirst	\$5,220,000	Peso	Median household income at first stop (per person per day). External input. Based on reliable public data source updated annually.	\$7,500
3	IncomeDest	\$7,830,000	Peso	Median household income at destination per trip. External input. Based on reliable public data updated annually.	\$11,250
7	RegionalRate	45.39	Peso/km	Regional rate based on median income: MedianIncomeFirst * PercentIncomeForTransport / AllTravel	0.07
8	UnderIncomeRate	15.13	Peso/km	Under global income adjustment: if (RegionalRate < GlobalRate, GlobalRate - RegionalRate, 0)	0.02
9	NominalRate	60.52	Peso/km		0.09
1	RegionalFactor AdjustedRate	1.00	Da //	Regional Fare Factor. Negotiated upfront to make network financially viable.	0.00
3	Population	60.52 17,574,003	Peso/km	Regional adjusted rate: NominalRate * RegionalFactor Population in region. Updated annually based on trusted public data source.	0.09
2	UsageMaxDiscount	50%		Fare Discount when Transit X travel per household equals AllTravel. Global constant. Total passenger distance traveled previous calendar year. Based on expected mode share for	
4	PassengerTravel :	20,880,003,35	€ km	first 3 years. Based on actual passenger trips. Audited.	
5	ModeShare	5%		Percent of Total Travel Per Capita on Transit X: PassengerTravel / (Population x AllTravel)	
6	BaseRate	58.96	Peso/km	Base rate for single-passenger pod (without discounts) (1 - UsageMaxDiscount x min(1,ModeShare)) x AdjustedRate	0.08
7	SpecialRateFactor	2.20		Rate factor for water crossings or high-speed links. Global constant.	
3	SpecialBaseRate	129.71	Peso/km	Base rate for high-speed travel or water crossings: BaseRate * SpecialRateFactor	0.19
9	DistanceDiscount	40%		Distance discount at max distance. Global constant.	
)	MaxDistanceDiscou nt	500	km	Max distance discount. Global constant.	
1	DistanceDiscountPe rKm	0.047167	Peso/km	Discount amount per km: BaseRate x DistanceDiscount / MaxDistanceDiscount	
2	SeniorDiscount	20%		Senior discount set according to local regulations	
3	StudentDiscount	20%		Student discount set according to local regulations	
	DisabilityDiscount	20%		Disability discount set according to local regulations	
1	DiscountBaseRate	47.17	Peso/km	Discounted base rate: BaseRate x (1 - SeniorDiscount)	0.07
5	SharedPodDiscount	20%		Discount for requesting a shared pod. 15% minimum and 30% maximum.	
3	SharedPodRate	47.17	Peso/km	Rate for a shared pod: BaseRate x (1 - SharedPodDiscount)	0.07
7	SharedCompartment Discount	40%		Discount for requesting a shared compartment. 25% minimum and 40% maximum. At least 10 percentage points higher than SharedPodDiscount.	
3	SharedCompartment Rate	35.38	Peso/km	Rate for shared compartment BaseRate x (1 - SharedCompartmentDiscount)	0.05
9	SingleOccupancyMa xDistance	40.09	Peso/km	Rate for 500 km in single–passenger pod.	
				Rate for a Senior taking a 500 km trip in a shared compartment.	
)	Senior + SharedCompartment Rate	16.98	Peso/km		0.02
1	50PctIncomeAtDest	25%		% Higher fare rate if Destination has 50% higher median income than First (IncomeDest / IncomeFirst - 1) / 2	
2	DistanceBase 1	15,451,202,48	E km	Passenger distance under base fare. Audited value from operational data.	
3	PercentBase	74%		Percent of passenger distance under base fare: DistanceBase / PassengerTravel	
1	BaseRevenue	72,204,597,0	0 Peso	Annual revenue from all travel under base rate. Audited value from operational data.	
5	AverageDiscount	26%		Average fare discount from Base Rate: 1 - (BaseRevenue / (DistanceDase x BaseRate))	
5	MarketFactor	1.0		Market rate factor. Negotiated value for setting ratio of AverageDiscount	
7	MarketRateCap	26%		Cap on passenger travel distance at market rate: AverageDiscount x MarketFactor	
8	MarketTravelCap	4,049,892,998	3 km	Cap on passenger travel distance at market rate: DistanceBase x MarketRateCap	
				A marrow lateral	:

Project Summary

Project A fully-automated, solar-powered, micro-**Description** guideway network providing a sustainable

transportation utility.

Project type Sustainable Transportation Infrastructure

Design, Build, Finance, Own, Operate, Maintain

(DBFOOM)

Project equity US\$4.18 billion (30% of total)

Cost to Gov't \$0

Structure Privately financed equity and debt

Debt term 10 years @ 7%

Equity terms A waterfall profit distribution per year with:

1. 90% until capital payback,

2. then 50% until Target% is reached

3. then 10%

Taxes & Fees \$122,437,818 per year

Benefits to

society and Extremely high environment

Estimated return loss average IRR at 5 yrs loss average IRR at 10 yrs

Financials (US\$ in millions)	Year 1	Total Years 1-12
Gross Revenues	821	23,817
Taxes and fees	41	1,191
Debt service	\$682	\$7,502

ESG (Environmental, Social, Governance) Benefits

Clean Energy	yes	Improve Resiliency	yes
Energy security	yes	Sustainable	yes
Zero Emissions	yes	Equitable	yes
Zero GHG	yes	Recyclable Materials	yes
Lowers Pollution	yes	Affordable Housing	yes
Clean Water	yes	Improved Health	yes
Improved Safety	yes	Economic Development	yes
Add Green Space	yes	Access to Food	yes
Accessible	yes	Add Quality Jobs	yes





Transit X presents a preliminary proposal for a sustainable micro-guideway network a fleet of automated electric vehicles (pods) for passengers and freight on a local and regional podway providing equitable public transportation for

Chile

High capacity · High speed · Nonstop · 24/7 Solar powered · Zero Wait · Door-to-door · Resilient



About Transit X

Transit X finances, designs, builds, and operates solar-electric micro-guideway public transit podways to supplant buses, trains, cars, and trucks. Transit X offers its service to governments and commercial developers. Maiden Flight was on Oct 29, 2018 and pilot projects started in 2018. First pilots will break ground in 2019 and begin operations in 2020. Transit X is a privately held company founded in 2015, based in Boston, Massachusetts.

Status

	Now	Prior to close
Project financing	Available	Yes
Outdoor Test Track	Nov 2019	Yes
Rider-Revenue study	Preliminary	Yes
Environmental study	Per region	Yes
Air rights	Per project	Yes
Permitting	Per project	Yes
Safety certification	Per country	Yes
Construction firm	Per project	Yes
Design and major subs	Per project	Yes
Operations & Maint	Partners	Yes
Utility relocation	Per project	Agreements

General information available at transitx.com. Detailed information and references can be provided under appropriate nondisclosure/non-compete/non-circumvent agreements. Contact: Mike Stanley, CEO, Transit X, mike@transitx.com, 508-596-7024



Model Inputs and Assumptions

Route length (km) 3,703

Starting number of pods 17,468

Projected revenue growth 15%

Project Cost (Privately funded) \$13,917,690,284

% Debt financed 70%

Debt \$9,742,383,199

Equity \$4,175,307,085

Debt payment (per year) \$681,966,824

Travel per year per pod (km) 168,191

Revenue per vehicle-km (US\$) 0.28

OPEX as % of project cost 5%

Debt Interest rate 7%

Debt term (yrs) 10

Profit share when below capital return 90%

Profit share when below Target IRR 50%

Profit share when above Target IRR 10%

Pro Forma

	icais 0	•	-	3	•	J	•	,	٠	,			12
Revenue	0	821,234,437	944,419,603	1,086,082,543	1,248,994,924	1,436,344,163	1,651,795,788	1,899,565,156	2,184,499,929	2,512,174,918	2,889,001,156	3,322,351,330	3,820,704,029
5% RoW÷tax÷fe	e 0%	41,061,722	47,220,980	54,304,127	62,449,746	71,817,208	82,589,789	94,978,258	109,224,996	125,608,746	144,450,058	166,117,566	191,035,201
Debt service	0	\$681,966,824	\$681,966,824	\$681,966,824	\$681,966,824	\$681,966,824	\$681,966,824	\$681,966,824	\$681,966,824	\$681,966,824	\$681,966,824	\$681,966,824	\$681,966,824
Investor share	0	0	0	0	0	0	0	0	0	0	0	0	0
Share / Orig Capit		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
IRR to date	loss	loss	loss	loss	loss	loss	loss	loss	loss	loss	loss	loss	loss

Important Notices

The information contained in this document is not an offer to sell or a solicitation to buy any security. These materials and documents and information from which they are derived or which are referred to by or accessible from them may contain forward looking statements within the meaning of Section 27A of the Securities Act of 1933, Section 2E of the Securities Exchange Act of 1934 and the Private Securities Litigation Reform Act of 1995. All statements other than statements of historical fact are forward looking statements and are subject to risks and uncertainties. Forward looking statements generally can be identified by the use of forward looking terminology such as "may," "will," "expect," "intend," "estimate," "project," "anticipate," "believe" or "plan" or the negative thereof or variations thereon or similar terminology. Although Transit X believes that the expectations reflected in such forward looking statements are reasonable, it can give no assurance that such expectations will prove to be correct. All forward looking statements speak only as of the date made. Except as required by law, Transit X undertakes no obligation to update any forward looking statement to reflect events or circumstances after the date on which it is made or to reflect the occurrence of anticipated or unanticipated events or circumstances. These materials and documents and information from which they are derived or which are referred to by or accessible from them represent Transit X's best estimate as to the allocation of the funding proceeds based upon its present business plan and financial condition. The costs and expenses to be incurred in pursuing the Company's business plan cannot be predicted with certainty. There can be no assurance that unforeseen events will not occur or that the Company's business plan will be achieved or that it will not be changed, and it is possible that the funding proceeds may be applied in a manner other than that described herein.

Jobs Report*

This would create 445,400 new jobs in manufacturing, construction, and operations. About 210,900 existing transportation jobs would be impacted — of which 5,100 workers would need significant retraining. Improving the transportation infrastructure will boost the economy overall and lead to 1,623,800 new jobs. Lowering the cost of transportation and reducing travel times raises household income by 248%.

1	Annual median household income (US\$)	\$7,500					
2	CAPEX						
3	Average gross CAPEX salary (% of median HH)	125%					
4	Average gross CAPEX salary	\$9,375					
5	% of CAPEX as salary	15%					
6	Years of CAPEX	2					
7	# of CAPEX jobs	111,340					
8	% of jobs that are manufacturing vs. construction	75%					
9	Manufacturing jobs	83,510					
10	Construction jobs	27,840					
11	Supply chain jobs factor	3					
12	Jobs in supply chain	334,050					
13	Average gross OPEX salary (% of median HH)	115%					
14	Average gross OPEX salary	\$8,625					
15	% of OPEX as salary	30%					
16	Operations and Maintenance jobs	24,200					
17	Secondary-effect jobs factor	7%					
18	Secondary effect jobs	1,623,840					
19	Job transitioning and training						
20	Expected mode share at 10 years (from page 6, line 9)	12%					
21	% of population with a full-time job	60%	10,544,402				
22	jobs in transportation	10%	1,054,440				
23	jobs impacted with this proposed network	20%	210,888				
24	jobs requiring significant retraining	20%	42,178				
25	Jobs needing retraining with this proposed network (over 10 years)	0.0%	5,060				
26	Training cost per person as % of salary (from line 13)	100%	\$8,625				
27	Number of years that training is divided across	10					
28	Ratio (as %) of training costs vs. gov't revenue from Transit X	4%	\$4,364,250				

^{*} Numbers are approximations based on a universal model. A regional study could analyze data based on local conditions.