

Nashville



Transit X, LLC presents a preliminary proposal for a privately-funded fleet of fully-autonomous shared electric vehicle network for

Nashville to Monterey, Tennessee

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

26-page companion Transit X Handbook is available at transitx.com/transitxhandbook.pdf

Monterey

Knoxville

92 mile network with 3,443 pods 97% of population within a 20 min. walk

Nonstop 45 mph service to 70 stops



Transit X proposes to build and operate a privately-financed pod network to carry passengers and freight for Nashville to Monterey, Tennessee that makes the Transit X service convenient to 97% 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.

No public funding

Transit X does not require public funding because our business model appeals to investment banks and private equity firms that provide our project financing. Most of our infrastructure is factory-built, so that installation is fast and not disruptive. We have reduced or eliminated many costs of transportation infrastructure including materials, land, construction, fuel, debt service, and driver costs. By significantly reducing our costs, it makes private financing possible.

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. An in-depth (1000+ hours) technical assessment and feasibility analysis has been completed by Altran, a global engineering firm with

extensive expertise in automated transit systems. The first pilots of Transit X will be deployed by the end of 2018.

Before any groundbreaking, the system will be safety-certified and fully insured.

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 and have no 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.

Sustainable

Transit X runs on 100% sustainable energy. The energy generated from solar panels on the track and stored within the poles is sufficient in most cases, but sustainable power contracts may used to buy and sell power to the grid. Transit X makes it possible to reduce the amount of impervious surfaces and increase green space by reducing the need for parking and roads. By replacing cars, Transit X has a negative carbon footprint.

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 higher use of mass transit and less use of personal vehicles.

De-risking Projects

Transit X is working 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 would work with regional urban planning and construction firms who are familiar with permitting and applicable codes.

Jobs and Workforce Development

Many jobs will be created to build a new transportation infrastructure and transition away from roads. Municipalities that first embrace Transit X will be offered the opportunity to have Transit X manufacturing and assembly jobs in their area. The vast majority of the construction jobs will be locally sourced. Preferential hiring would be given to those workers potentially displaced by the transition to automated vehicles.

Revenue Generator

Not only does Transit X not require public financing, but the local municipality and right-of-ways owners receive 5% of gross revenue, which would be US\$43 million per year average over the first 10 years. For specifics, please see the "Taxes and Fees" section of this proposal.

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 municipalities** general process for working Preliminary analysis & revision executive support, stakeholde engagement, community input with a municipality or rights-of-Financing way owner. We would refine a Detailed Resolution closed Proposal Engineering, proposal to meet your needs, Shovel Planning, Podway Readv then ask for a letter stating that Studies. **Right-of-Way** Permitting Manuf. you would like to move forward & Operating with a proposal that includes Installation Aareement air rights and and an operating Inspection agreement. Example Certification **Ridership-Revenue** documents and a sample MoU Study Operating Memorandum of project schedule can be Certificate Understanding **Project Financing** viewed at transitx.com/process

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 ride-sharing 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.

Whatever process you use to evaluate this proposal, Transit X is open to working with you on refining this proposal to meet your needs. 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 need a memorandum of understanding (example at <u>transitx.com/process/mou.html</u>) stating that you intend to pass an ordinance that enables our use of air rights along with an operating agreement.

The buildout of the network would be rolled out in phases, where a first phase could be a 15 to 30 km pilot.

Other Resources

The links below provide general information about Transit X:

- · 2 minute video overview (transitx.com/video)
- Transit X Handbook (<u>transitx.com/transitxhandbook.pdf</u>)
- Letters of Project Financing, Due Diligence, Contracts (transitx.com/letters.pdf)
- Example Resolution (transitx.com/process/resolution.html)
- · Operating Agreement (transitx.com/process/operating_agreement.html)
- General Q & A (transitx.com/QandA.html)

Addendum

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

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

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

Sincerely,

Tank

Mike Stanley CEO, Transit X

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Project Summary

Project Description	Solar-powered automated transportation network infrastructure
Project type	Project financing of Green Infrastructure
Project cost	\$633 million
Structure	Equity and Debt
Debt term	10 years @ 5%
Equity terms	 46% average IRR through 12 yrs Using a waterfall profit distribution of: 1. 90/10 split until Return of Capital, 2. then 50/50 until Target IRR met 3. then 10/90 onwards
Benefits to society and environment	Extremely high

Finan	cia	ls
	••••	

(US\$ in millions)

	Year 1	Total Years 1-12
Gross Revenues	426	10,362
Taxes and fees	21	518
Debt service	\$57	\$574



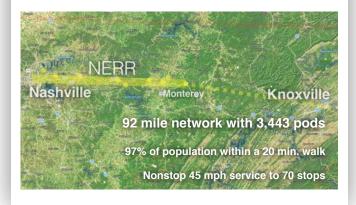


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About Transit X

Transit X designs, builds, and operates solar-electric shared mobility infrastructure to supplant buses, trains, cars, and trucks. Transit X offers its service to municipalities and commercial developers. First pilots will begin operations by 2019. Transit X is a privately held company founded in 2015, based in Boston, Mass, and intends to be certified as a public benefit company.

Status

					Now	Prior to close
				Project financing	Letter of Interest	Yes
ESG (Environmen	tal, So	ocial, Governance) Benefi	ts	Demonstration system	In development	Yes
Clean aparav		Posilionav		Rider-Revenue study	Proposals	Yes
Clean energy	,	Resiliency	yes	Environmental study		Yes
Energy security	yes	Sustainable	yes	Air rights	Resolution	Ordinance
Emissions-free	yes	Equitable	yes	Permits	Known process	Yes
GHG-free	yes	Recyclable mat.	yes	Safety certification	Guar. fixed price	Yes
Lowers pollution	yes	Affordable housing	yes	Installation	Letter of intent	Guar. fixed price
Clean water	yes	Improved Health	yes	Operations & Maint	Letter of intent	Guar. fixed price
Improved Safety	yes	Economic Devel.	yes	Project Management	Appointed	Yes
Fixe Infrastructure	yes	Food security	yes	EPC	Appointed	Yes

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

12-year Pro Forma



Model Inputs and Assumptions

Route length (km)	148
Starting number of pods	1,148
Projected revenue growth	15%
Project Cost	\$633,359,171
% Debt financed	70%
Debt	\$443,351,420
Equity	\$190,007,751
Capital return per year	\$38,001,550
Target IRR	15%
Target return per year	\$28,501,163
Debt payment (per year)	\$57,416,037

The revenue estimates are conservative because they only show revenue from passenger fares, freight, and advertising, which may be less than 60% of total revenue. A substantial revenue stream can be expected from developer fees, private leasing, private branch & stops, subsidies, municipal contracts, carbon credits, water delivery, conduit leasing, 3rd-party services, mail & package delivery, para-transit, private shuttles, sale of surplus power to grid, and naming rights.

Pro Forma

Years	. 0	1	2	3	4	5	6	7	8	9	10	11	12
Revenue	0	425,543,593	489,375,132	562,781,401	647,198,612	744,278,403	855,920,164	984,308,188	1,131,954,417	1,301,747,579	1,497,009,716	1,721,561,173	1,979,795,349
5% RoW+tax+fee	0%	21,277,180	24,468,757	28,139,070	32,359,931	37,213,920	42,796,008	49,215,409	56,597,721	65,087,379	74,850,486	86,078,059	98,989,767
Debt service	0	\$57,416,037	\$57,416,037	\$57,416,037	\$57,416,037	\$57,416,037	\$57,416,037	\$57,416,037	\$57,416,037	\$57,416,037	\$57,416,037	0	0
Investor IRR	0%	20%	23%	26%	31%	35%	41%	51%	58%	66%	76%	90%	102%
Investor balance		-\$114,560,086	-\$33,204,287	\$54,945,867	\$150,909,529	\$255,858,726	\$371,141,286	\$467,905,975	\$578,336,538	\$704,482,856	\$848,702,293	\$1,019,447,420	\$1,214,094,246
Avg. return to date		-60%	-12%	13%	27%	35%	39%	42%	43%	44%	45%	46%	46%

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 statements 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 will not occur or that the Company's business plan will be achieved or what the funding proceeds may be applied in a manner other than that described herein.

Travel per year per pod (km)	168,213
Revenue per vehicle-km (US\$)	2.20
OPEX as % of project cost	5%
Debt Interest rate	5%
Debt term (yrs)	10

Years to return equity capital 5

Profit share when below capital return 90%

Profit share when below Target IRR 50%

Profit share when above Target IRR 10%

Project Overview



пu				
1	Transit X network length	148	km	92.2 miles
2	Route density ratio (route length to service area)	0.30		
3	Number of stops	70		
4	Triple-speed route length	0	km	0 miles
5	Water crossing route length	0	km	0 miles
6	Cost of fixed infrastructure	\$538,498,469		
7	per person	\$449		
8	Mode share of travel on Transit X	66%		
9	Distance traveled on Transit X, per year	790,914,000		491,250,932 miles
10	per day	2,166,888		1,345,893 miles
11	Daily potential energy generation with standard panels on tracks	1,140		40/ - 6
12	Sustainable energy use per day		MWh	4% of max capacity
13	Energy storage capital cost for 1 day(s) of supply at \$800 per kWh	\$35,260,821	1011	
14	Size (rated power) of solar installation	10,247	κw	
15	Cost to generate sustainable energy (at \$2,000 per kWh)	\$20,493,949 \$6,611	por day	8% of OPEX
16 17	Cost of buying sustainable energy at \$0.15 per kWh		p = · · · · · · ·	66% of the pop.
18	Daily passengers riding Transit X			1.7 miles
19	Distance per passenger per day Average distance per trip (assuming 3 trips per day)	-	km	0.6 miles
20	Single passenger fare for shared 1 km trip		for average trip	
20	Passenger distance traveled during peak hour	433,378		269,179 miles
22	Breakeven			
	Dieakeven	300,245	customers per day (26% of people conve	priorit to Transit X)
23		0.440		
24	Number of pods for peak demand	3,443		
25	Number of people per pod		and 230 customers	s per pod
26	Distance per pod per year	168,213		
27	Pod garage volume (in units of cubic shipping containers)	-	SC ³	
28	Cost of pods		is \$14 per person	
29	Capital cost of energy generation and storage	\$72,481,201	is \$60 per person	
³⁰ Pro	oject Finances			
31	Total Project Cost	\$633,359,171		
32	Equity	\$190,007,751		
33	Financed	\$443,351,420		
34				
35				
36 37	Debt convice	\$66 500 710		
38	Debt service Fees and taxes	\$66,502,713 \$45,424,752		
39	OPEX + Debt service + Tax + Fees	\$143,595,423		
40		ψι+0,000,+20		
41				
42	Project costs — per person	\$528		
43	Number of motor vehicles displaced		motor vehicles	
44	Yearly cost of cars displaced — per person	\$593		
45	Operating costs per passenger-mile	\$0.29		
46	Breakeven revenue distance per day	822,589	km	510,925 miles
47	Number of tracks in one direction needed to satisfy peak demand	0.03		

Project Overview p. 2



Impact of proposed network

2Est. cost to maintain 505 km roadway\$25,760,2043Reduced waste products per year12,674 metric tons4Travel time saved per year49 hrs/person5Cost savings per capita per year from reduced car ownership\$1426Increase in household income from time saving and car costs1%7Reported injuries avoided per year4908Lives saved per year59Land freed from parking (449 acres)1,819,102 m²10and its commercial value\$2,001,012 per year11Heat island mitigation from replacing asphalt with green space1 to 3 °C14Decrease in sea levelTBD mm	Reduction in GHG emissions (in metric tons of CO2-eq)	78,103 MTCO2-eq
4Travel time saved per year49 hrs/person5Cost savings per capita per year from reduced car ownership\$1426Increase in household income from time saving and car costs1%7Reported injuries avoided per year4908Lives saved per year59Land freed from parking (449 acres)1,819,102 m²10and its commercial value\$2,001,012 per year11Health care savingsHigh12Heat island mitigation from replacing asphalt with green space1 to 3 °C13Change in global temperatureTBD °C	² Est. cost to maintain 505 km roadway	\$25,760,204
Inaver time saved per year49 mis/person5Cost savings per capita per year from reduced car ownership\$1426Increase in household income from time saving and car costs1%7Reported injuries avoided per year4908Lives saved per year59Land freed from parking (449 acres)1,819,102 m²10and its commercial value\$2,001,012 per year11Health care savingsHigh12Heat island mitigation from replacing asphalt with green space1 to 3 °C13Change in global temperatureTBD °C	³ Reduced waste products per year	12,674 metric tons
6 Increase in household income from time saving and car costs 1% 7 Reported injuries avoided per year 490 8 Lives saved per year 5 9 Land freed from parking (449 acres) 1,819,102 m² 10 and its commercial value \$2,001,012 per year 11 Health care savings High 12 Heat island mitigation from replacing asphalt with green space 1 to 3 °C 13 Change in global temperature TBD °C	⁴ Travel time saved per year	49 hrs/person
7 Reported injuries avoided per year 490 8 Lives saved per year 5 9 Land freed from parking (449 acres) 1,819,102 m² 10 and its commercial value \$2,001,012 per year 11 Health care savings High 12 Heat island mitigation from replacing asphalt with green space 1 to 3 °C 13 Change in global temperature TBD °C	⁵ Cost savings per capita per year from reduced car ownership	\$142
8Lives saved per year59Land freed from parking (449 acres)1,819,102 m²10and its commercial value\$2,001,012 per year11Health care savingsHigh12Heat island mitigation from replacing asphalt with green space1 to 3 °C13Change in global temperatureTBD °C	⁶ Increase in household income from time saving and car costs	1%
Image: Point of the stand stand freed from parking (449 acres) 1,819,102 m² 10 and its commercial value \$2,001,012 per year 11 Health care savings High 12 Heat island mitigation from replacing asphalt with green space 1 to 3 °C 13 Change in global temperature TBD °C	7 Reported injuries avoided per year	490
Image: Constraint of the constr	⁸ Lives saved per year	5
Image: Strain of the commercial value \$2,001,012 per year 11 Health care savings High 12 Heat island mitigation from replacing asphalt with green space 1 to 3 °C 13 Change in global temperature TBD °C	⁹ Land freed from parking (449 acres)	1,819,102 m ²
12 Heat island mitigation from replacing asphalt with green space 1 to 3 °C 13 Change in global temperature TBD °C	¹⁰ and its commercial value	\$2,001,012 per year
Image: International integration from replacing asphalt with green space T to 3 °C Image: Integration from replacing asphalt with green space T to 3 °C Image: Integration from replacing asphalt with green space T to 3 °C Image: Integration from replacing asphalt with green space T to 3 °C Image: Integration from replacing asphalt with green space T to 3 °C Image: Integration from replacing asphalt with green space T to 3 °C	¹¹ Health care savings	High
Change in global temperature TBD *C	¹² Heat island mitigation from replacing asphalt with green space	1 to 3 °C
¹⁴ Decrease in sea level TBD mm	¹³ Change in global temperature	TBD °C
	¹⁴ Decrease in sea level	TBD mm

Model Inputs

15	Ratio of road length to track length	4		
16	Walking speed	4.9	km/h	3 mph
17	Width of convenient swath along track	3.27	km	2 miles
18	Fixed cost per km. Solar+storage not included.	\$2,790,000		
19	Water crossing: additional cost per km	\$8,370,000		
20	Triple-speed: additional cost per km	\$5,580,000		
21	Average distance traveled per person per year (for trips under 1600 km)	10,000	km	6,211 miles
22	Average distance per day per person	27	km	
23	Mode share % of people convenient to Transit X	85%	at 5 min walk.	
24	Percentage of daily demand during peak hour	20%		
25	Maximum capacity per track	23,598	pph	
26	Average dwell time during peak hour	10	seconds	
27	% of pods traveling on route with highest demand	18%		
28	Average speed of pod	72	km/h	45 mph
29	Average # of trips for people riding Transit X	3	per day	
30	Average occupancy per pod during peak hours	2.2	people	
31	Average occupancy per pod	1.4	people	
32	Maximum occupancy per pod	5	people	
33	Empty pods: Percentage non-revenue	25%		
34	Ex-Factory cost per pod	\$5,000		
35	Worldwide Median Income per Household (US\$)	10,000		
36	People per Household	2.3		
37	Base fare per km	\$0.48		
38	(per mile)	\$0.77		
39	O&M as % of project cost	5%		
40	Percentage debt financed	70%		
41	Length of loan/debt	10	years	
42	Interest rate for debt	5%		
43	kg CO2 emissions per liter of gasoline	2.37		
44	Monetary value of 1 hour personal time (USD)	13.75		
45	Eat. roadway maintenance per year per km	\$51,000		
46	Area of one parking lot space	23	m ²	247 sf
47	Commercial income of land	\$1	per m ²	
48	Distance from roadway that is convenient	0.99	km	
49	Stops per km	0.5		
50	Solar panel area per meter of track	2.0		
51	Cost of sustainable energy and storage	\$0.15	per kWh	
52	Global Horizontal Irradiance (GHI)	3.8	kWh/m²/day	
53	Cost to generate sustainable energy	\$2,000	per kW	
54	Energy storage cost	\$800	per kWh	
55	Energy storage capacity	1	days	

Model Inputs (continued)

56	Name of region or project	Nashville to Montere
57	Currency name	
58	Equal to US\$1	1
59	Sustainable energy/electricity generation & storage as	CAPEX
60	Land area of region (sq. km)	500
61	Number of people in region	1,200,000
62	% travel within region	10%
63	Road coverage (% served by roads)	100%
64	Coverage: % of pop. convenient (20 min walk) to Transit X	97%
65	Median household income (US\$)	55,000
66	Convenient walk time to stop (min)	20
67	Triple-speed route length (km)	0
68	Water crossing route length (km)	0
69	Solar production ratio	1.57
70	EPC costs & contingency	30%

Pod & Car

	Pod	Car
Service life (years)	20	12
Full cost of vehicle per year	\$200	\$9,000
Public cost to maintain infrastructure (per km)	\$0	\$100,000
Energy Efficiency in MPGe	1188	24
Energy Efficiency in liters/100km	0.20	9.8
Energy used (Watt-hours/km)	28	1375
mass of CO2 per vehicle per km (kg)	0	0.09875
Vehicle mass (kg)	45	1950
Average speed o urban travel (km/h)	72	16
Typical travel time (in minutes) for 1 km trip	1	3
Fare/cost per km	\$0.48	\$0.62
Number of deaths per 100M passenger-km	0.00001	1
Number of injuries per 100M passenger-km	0.0006	62
Volume to park (cubic meters)	5.7	70.9

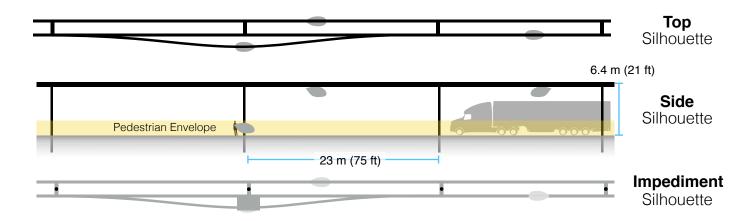


4% of gross revenue proportioned to air rights owners and a municipal fee/tax of 1% of gross revenue. Both air rights and fee/tax have a minimum payment based on the Footprint and the Transit X Commercial Rate (TXCR).

1 Municipal rates

	-		
2	Total commercial land (estimated)	50,000,000 m ²	538,150,000 sq ft. (12,355.3 acres)
3	Total commercial muni revenue (US\$)	\$55,000,000	
4	TXCR (Transit X Commercial Rate)	\$1.10 per m ²	
5	TXCR is the yearly tax rate per land area. Calculation: total land area of commercial properties in the municipality, divided by all the municipal income generated by those properties. The TXCR is used to calculate the minimum tax/ fee.		
6	Project Revenue		
7	Length of Transit X route	148 km	92 miles
8	Estimated gross revenue per unit length	\$6,119,073 per km	
9			
10	Municipal Tax	% of gross revenue with minimum.	
11	1% gross revenue	\$61,191 per route-km	
12	Minimum per year	\$1,818 per route-km	\$2,932 per route-mile
13	Air Rights Leasing Fee	% of gross revenue with minimum. Pro	oportioned based on length.
14	% of route on municipal land	90%	
15	4% gross revenue	\$244,763 per route-km	
16	Minimum per year	\$1,818 per route-km	\$2,932 per route-mile
17	Taxes, Fees, Programs		
18	Paid to Municipality	\$41,790,772 per year	
19	with minimum	\$512,748	
20	Paid to Private land owners	\$3,633,980 if 10% of RoW is	over private property
21	with minimum	\$26,987	
22	For livelihood programs	\$0	

Footprint calculations for minimum fee



2 Track width 0.41 m 16.1 inches 3 Track height 0.61 m 24.0 inches 4 Pole diameter 0.3 m 11.8 inches 5 Pole cross section 0.07 m² 0.8 sf 6 Stop landing area 2 m² 21.5 sf width 2 m 78.7 inches length 1 m 39.4 inches 9 Ramp length 21 m 68.9 feet 10 Pole span 23 m 75.5 feet 11< Number of poles per unit length 43.5 poles per km 70.0 poles per mile 12 Pole height 6 m 19.7 feet 13 Single track 1126.7 m² 12124 sf Area of Side Silhouette 688.3 m² 7406 sf Area of Side Silhouette 688.3 m² 7406 sf Area of Side Silhouette 683.3 m² 7406 sf Area of Side Silhouette 683.3 m² 7406 sf Area of Side Silhouette 833.1 m² 8964 sf Area of Side Silhouette 25.6 m² 22 sf Area of Side Silhouette 25.6 m² </th <th>1</th> <th>Footprint Calculations</th> <th>Metric</th> <th>Imperial</th>	1	Footprint Calculations	Metric	Imperial
Dote ringin Dote in the construction of the co	2	Track width	<u>0.41</u> m	16.1 inches
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37 % gross revenue for RoW+tax+fee 5%	35	% gross revenue for muni tax/fee		
	36			
³⁸ Impediment Factor 5	37	% gross revenue for RoW+tax+fee	5%	
	38	Impediment Factor	5	

Fair Fares



Fares will be similar to existing mass transit, and several times less than taxis or ride-sharing services. Transit X Fair Fare is a universal passenger fare model that applies to all regions and all times. Fares are proportional to the median income of the area and inversely proportional to per capita use, so the more people that use Transit X, the lower the base fare. Market-rate fares are proportional to number of half-price fares. No additional peak or congestion pricing. Longer trip are discounts: 0% at 0 km, and up to a 40% discount at 500 km or greater trip length, below 500 km, discount is proportional to trip length.

			0% of use	80% of use	+25% Income	7% of use	50% market fares
1	Median household income	US\$	55,000	\$55,000	\$68,750	\$55,000	\$55,000
2	Nominal fare	US\$	0.48	\$0.48	\$0.60	\$0.48	\$0.48
3	Minimum nominal fare	US\$	0.09	0.09	0.09	0.09	0.09
4	Fare incr. for livelihood programs	US\$	0.00	0.00	0.00	0.00	0.00
5	Adjusted nominal fare	US\$	0.48	0.48	0.60	0.48	0.48
6	% of total travel on Transit X		0%	80%	80%	7%	90%
7	Discount for usage	US\$	0.00	0.19	0.24	0.02	0.22
8	Base Fare (US\$)	per km	0.48	0.29	0.36	0.46	0.26
9	per passenger	-mile US\$	0.77	0.46	0.58	0.75	0.42
10	for shared pod (20%	discount)	0.62	0.37	0.46	0.60	0.34
11	for shared seating (40%	discount)	0.46	0.28	0.35	0.45	0.25
12	% Fares at Market rate		50%	30%	30%	30%	50%
13	% Fares at Base rate		25%	65%	65%	65%	25%
14	% Fares at 100% discount		25%	5%	5%	5%	25%
15	Average revenue US\$	per km	1.61	0.71	0.89	1.15	0.89
16	Livelihood program	per km	0.00	0.00	0.00	0.00	0.00

Price comparison with common travel modes (in Boston, USA)

	Mode »	Bus	Commuter Rail	Subway	Personal Car	Taxi / TNC's
Average distance (km)		5	18	8	8	5
Price per trip	US\$	\$1.85	\$8.00	\$2.50	\$6.00	\$12.00
Typical price per km	US\$	\$0.37	\$0.44	\$0.31	\$0.75	\$2.40

Base Inputs

	•	
17	Travel distance per household per year (trips under 1600 km)	23,000 km
18	% of median household income for 23,000 km transportation	20%
19	Fare Discount when Transit X travel per household is 23,000 km per year	50%
20	Minimum median household income. Fares are based on this minimum.	10,000 USD
21	Discount for shared pod	20%
22	Discount for shared bench seat	40%
23	Discount for fare	100%
24	Projected multiple of Market rate vs.Base rate	4
25	% increase in median income for scenario	25%
26	Percent of Total Travel Per Capita on Transit X	7%
27	Percent of fare for under-income programs	75%
28	Average expected fare discount	18%
29	Percentage of revenue from freight and advertising	40%
30	Metric ton per km (US\$)	\$0.48

