



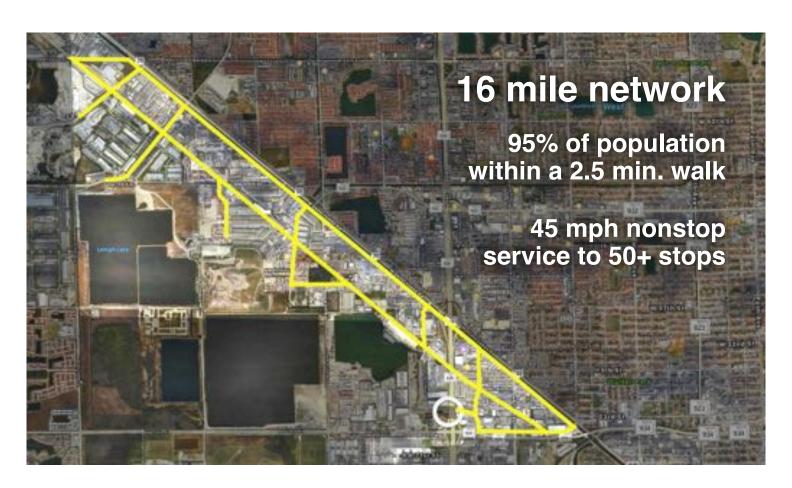
Transit X, LLC presents a preliminary proposal for

# Medley, Florida

For a privately-funded shared mobility service that is

# High capacity • Automated • 24/7 • Wait-free Solar powered • Last mile • Resilient

26-page companion Transit X Handbook is available at <a href="mailto:transitx.com/transitxhandbook.pdf">transitx.com/transitxhandbook.pdf</a>



# **Proposal Overview**



Transit X proposes to build and operate a privately-financed automated pod network in Medley, Florida that makes the Transit X service convenient to 95% 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. Our approach to significantly reducing costs makes private financing possible.

# Proven technology

Our team and partners have built fully automated transit systems that are now in operation — Morgantown, WV, BART, and several others in Europe. 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. Altran is 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.

# **Quality Service**

Transit X provides on-demand, last-mile service that is superior to cars or buses. A service level 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 and has a zero carbon footprint. The energy generated from solar panels on the track and stored within the poles is sufficient in most cases, but sustainable power contracts would provide backup power. Transit X makes it possible to reduce the amount of impervious surfaces and increase green space by reducing the need for parking and roads.

#### More transit & less cars

Transit X provides the convenience and privacy that people value in cars, yet without the negative impacts from personal car use. 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 will work with regional urban planning and construction firms who are familiar with local codes and requirements.

#### Jobs and workforce development

Many jobs are 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 receives 5% of gross revenue. For specifics, please see the "Taxes and Fees" section of this proposal.

## Short and long term

A project could be operational within 24 months from the start of a project. Transit X offers a short term solution that provides long term benefits.

## Moving forward

The diagram shows our general process for working with a municipality. We would refine a proposal to meet your needs, then ask for a letter stating that you would like to move forward with a proposal that includes air rights and and a service agreement. Example documents and a sample project schedule can be viewed at <a href="mailto:transitx.com/">transitx.com/</a>

#### Process for municipalities Planning, studies, Preliminary analysis, Installation permitting, approvals stakeholder engagement, Inspection community input, revisions Certification Pilot A Ordinance Proposal Pilot B Operating & Routes Air Rights Certificate Pilot C and Service Agreement Phase 1 Letter of Service Contracts Intent Repeat **Project Financing**

#### **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.

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 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 on how to move forward, we would ask for a letter (example at <u>transitx.com/process/loi.html</u>) stating that you intend to pass an ordinance for use of air rights along with a service agreement.

In parallel, we could refine the routes and meet with project stakeholders.

#### Other Resources

The resources below provide more general information:

- Transit X Handbook (transitx.com/transitxhandbook.pdf)
- · Video overview (transitx.com/video)
- Letters of Project Financing, Due Dilligence, Contracts (transitx.com/letters.pdf)
- Sample Ordinance (<u>transitx.com/process/ordinance.html</u>)
- Service Agreement (transitx.com/process/service agreement.html)

#### Addendum

The remaining pages of this proposal provide more details specific to this project:

- Financial Project Summary with Pro Forma, pages 6-7
- Project Overview, Impact, and Assumptions, pages 8-9
- Taxes and Fees with Footprint, pages 10-11
- Fair Fare Policy, page 12

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

Sincerely,

Mike Stanley CEO, Transit X

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Facebook: https://www.facebook.com/mike.stanley.526875

Zoom eRoom: https://zoom.us/j/8229009123

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

Happy Mass Transit!





Project Description	Solar-powered automated transportation network infrastructure
Project type	Project financing of Green Infrastructure with Minimum Revenue Guarantees
Project cost	\$75 million
Structure	Equity and Debt
Debt term	10 years @ 5%
Equity terms	15 years with 15% Target IRR With 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
Projected IRR	86%
Social & Green Benefits	Extremely high

# **Financials**

(US Dollars in millions)	Year 1	Total Years 1-10
Gross Revenues*	\$31	\$528
Operating Expenses	\$5	\$60
Debt service	\$7	\$68
Net Operating Income	\$19	\$400

# ESG (Environmental, Social, Governance) Benefits

Clean energy	yes	Resiliency	yes
Energy security	yes	Sustainable	yes
Emissions-free	yes	Equitable	yes
GHG-free	yes	Recyclable mat.	yes
Lowers pollution	yes	Affordable housing	yes
Clean water	yes	Improved Health	yes
Improved Safety	yes	Economic Devel.	yes
Fix Infrastructure	yes	Food security	yes



#### **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. A demonstration system will be ready in early 2018, and pilots will begin 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
Proven concept	Yes	Yes
Demonstration system	In development	Yes
Minimum Revenue Guar.	Verbal	Yes
Impact studies	TBD	Yes
Air rights	Letter of Intent	Signed agreement
Permits	Known process	Yes
Safety certification	Guar. fixed price	Yes
Construction (BOP):	Letter of intent	Guar. fixed price
Operations & Maint:	Letter of intent	Guar. fixed price
Project Engineering	TBD	25% design

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



# **Model Inputs and Assumptions**

26	Route length (km)	
167	Starting Pods	
<u>15%</u>	Projected revenue growth	
Revenues to include passenger fares, freight, advertising, developer fees, private leasing, private branch & stops, subsidies, muni contracts, carbon credits, conduit leasing, 3rd party services, para-transit, private shuttles, and naming rights.		
\$74,944,788	Project Cost	
<u>70%</u>	% Debt financed	
\$52,461,351	Debt	
\$22,483,436	Equity	
\$22,483,436 \$4,496,687	Equity Capital return per year	
. , ,	. ,	
\$4,496,687	Capital return per year	
\$4,496,687 15%	Capital return per year Target IRR	

Travel per year per pod (km)	210,337
Revenue per vehicle-km	\$0.90
Cost per pod	\$5,000
OPEX as % of project cost	5%
OPEX as % of revenue	5%
Debt Interest rate	5%
Debt term (yrs)	10
Equity term (yrs)	15
Years to return equity capital	<u>5</u>
Profit share when below capital return	90%
Profit share when below Target IRR	50%
Profit share when above Target IRR	10%

#### **Pro Forma**

Years	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Revenue	\$0	\$31,455,557	\$36,173,890	\$41,599,974	\$47,839,970	\$55,015,966	\$63,268,360	\$72,758,614	\$83,672,407	\$96,223,268	\$110,656,758	\$127,255,271	\$146,343,562	\$168,295,096	\$193,539,361
OPEX	\$0	\$5,320,017	\$5,555,934	\$5,827,238	\$6,139,238	\$6,498,038	\$6,910,657	\$7,385,170	\$7,930,860	\$8,558,403	\$9,280,077	\$10,110,003	\$11,064,417	\$12,161,994	\$13,424,207
Debt service	\$0	\$6,793,985	\$6,793,985	\$6,793,985	\$6,793,985	\$6,793,985	\$6,793,985	\$6,793,985	\$6,793,985	\$6,793,985	\$6,793,985	0	0	0	0
Free cash flow	\$0	\$19,341,555	\$23,823,971	\$28,978,751	\$34,906,747	\$41,723,943	\$49,563,718	\$58,579,459	\$68,947,562	\$80,870,880	\$94,582,695	\$117,145,268	\$135,279,145	\$156,133,102	\$180,115,154
Waterfall distribution															
1. Capital return	\$0	\$19,341,555	\$22,483,436	\$22,483,436	\$22,483,436	\$22,483,436	\$8,993,375	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Expected return	\$0	\$0	\$1,340,535	\$3,372,515	\$3,372,515	\$3,372,515	\$3,372,515	\$3,372,515	\$3,372,515	\$3,372,515	\$3,372,515	\$3,372,515	\$3,372,515	\$3,372,515	\$3,372,515
3. Over Exp return	\$0	\$0	\$0	\$3,122,799	\$9,050,795	\$15,867,991	\$37,197,828	\$55,206,944	\$65,575,046	\$77,498,364	\$91,210,180	\$113,772,753	\$131,906,629	\$152,760,587	\$176,742,638
Investor share	\$0	\$17,407,399	\$20,905,360	\$22,233,630	\$22,826,430	\$23,508,150	\$13,500,078	\$7,206,952	\$8,243,762	\$9,436,094	\$10,807,276	\$13,063,533	\$14,876,921	\$16,962,316	\$19,360,522
Investor share %		90%	88%	77%	65%	56%	27%	12%	12%	12%	11%	11%	11%	11%	11%
Investor IRR	0%	-9%	-7%	-1%	2%	5%	20%	32%	37%	42%	48%	58%	66%	75%	86%
Investor balance	-22,483,436	-5,076,037	15,829,323	38,062,953	60,889,383	84,397,533	97,897,611	105,104,563	113,348,325	122,784,419	133,591,695	146,655,228	161,532,149	178,494,465	197,854,987
Investor IRR to date	loss	-23%	43%	68%	78%	83%	85%	85%	85%	85%	86%	86%	86%	86%	86%

#### **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.



# **Project Overview**

Size of region	12.4	l <sub>lem</sub> 2	4.8 sq miles
Number of people in region (residents + visitors)	60,000	KIII <sup>2</sup>	110 04 111100
Travel distance per year by all people (residents and visitors)	870,000,000	km	540,372,671 miles
Percentage of all travel that occurs within the region	<u>15%</u>		
Road coverage (percent of area conveniently served by paved roads)	90%		
Service area size	11.16	km <sup>2</sup>	4.3 sq miles
Coverage: percent of people convenient (2.5 min walk) to Transit X	95%		16.1 miles
Estimate #1 for network length based on desired coverage  Length of paved roads (non-highway) in region		km km	16.1 miles 27.7 miles
Estimate #2 for network length based on length of public roadways		km	6.6 miles
			40.4 !!
Transit X network length	26	km	16.1 miles
Route density ratio (route length to service area)	2.33		
Total costs for project not including pods	\$72,439,788		
per person	\$1,207		
Mode share of travel on Transit X	81%		
Distance traveled on Transit X, per year	105,378,750		65,452,640 miles
per day	288,709		179,322 miles
Daily number of people riding Transit X		customers	3.7 miles
Distance per Transit X customer per day		km	
Average trip distance		km	1.2 miles
Cost for an average trip (at \$0.45 per km) Distance traveled during peak hour	\$0.89 57,742	km	35,864 miles
		KIII	00,00100
Breakeven	14,351	customers per day	
		(25% of people conv	enient to Transit X)
Number of pods needed to meet peak demand	501	pods	
Distance per pod per year	210,337	km	
Pod shed parking volume [in cubic 40' shipping containers (sc)]	3	sc <sup>3</sup>	
Cost of pods	\$2,505,000		
0 - 4 - 4			
Cost of pod per person	\$42		
Project finances	\$42		
Project finances  Total project cost (privately financed)	\$42 \$74,944,788		
Project finances			
Project finances  Total project cost (privately financed)	\$74,944,788		
Project finances  Total project cost (privately financed)  OPEX (O&M) per year  Private equity  Financed	\$74,944,788 \$6,106,406 \$22,483,436 \$52,461,351		
Project finances  Total project cost (privately financed)  OPEX (O&M) per year  Private equity  Financed  Gross Revenue from fares	\$74,944,788 \$6,106,406 \$22,483,436 \$52,461,351 \$47,183,335		
Project finances  Total project cost (privately financed) OPEX (O&M) per year Private equity Financed Gross Revenue from fares EBITA (Profit)	\$74,944,788 \$6,106,406 \$22,483,436 \$52,461,351 \$47,183,335 \$41,076,929		
Project finances  Total project cost (privately financed)  OPEX (O&M) per year  Private equity  Financed  Gross Revenue from fares  EBITA (Profit)  Debt service	\$74,944,788 \$6,106,406 \$22,483,436 \$52,461,351 \$47,183,335 \$41,076,929 \$7,869,203		
Project finances  Total project cost (privately financed) OPEX (O&M) per year Private equity Financed Gross Revenue from fares EBITA (Profit) Debt service OPEX + Debt service	\$74,944,788 \$6,106,406 \$22,483,436 \$52,461,351 \$47,183,335 \$41,076,929 \$7,869,203 \$13,975,609		
Project finances  Total project cost (privately financed) OPEX (O&M) per year Private equity Financed Gross Revenue from fares EBITA (Profit) Debt service OPEX + Debt service Net income	\$74,944,788 \$6,106,406 \$22,483,436 \$52,461,351 \$47,183,335 \$41,076,929 \$7,869,203 \$13,975,609 \$33,207,726		
Project finances  Total project cost (privately financed) OPEX (O&M) per year Private equity Financed Gross Revenue from fares EBITA (Profit) Debt service OPEX + Debt service Net income Operating Margin	\$74,944,788 \$6,106,406 \$22,483,436 \$52,461,351 \$47,183,335 \$41,076,929 \$7,869,203 \$13,975,609 \$33,207,726 87%		
Project finances  Total project cost (privately financed) OPEX (O&M) per year Private equity Financed Gross Revenue from fares EBITA (Profit) Debt service OPEX + Debt service Net income Operating Margin Project costs — per person	\$74,944,788 \$6,106,406 \$22,483,436 \$52,461,351 \$47,183,335 \$41,076,929 \$7,869,203 \$13,975,609 \$33,207,726 87% \$1,249		
Project finances  Total project cost (privately financed) OPEX (O&M) per year Private equity Financed Gross Revenue from fares EBITA (Profit) Debt service OPEX + Debt service Net income Operating Margin Project costs — per person Number of cars displaced	\$74,944,788 \$6,106,406 \$22,483,436 \$52,461,351 \$47,183,335 \$41,076,929 \$7,869,203 \$13,975,609 \$33,207,726 87% \$1,249 <b>7,268</b>	motor vehicles	
Project finances  Total project cost (privately financed) OPEX (O&M) per year Private equity Financed Gross Revenue from fares EBITA (Profit) Debt service OPEX + Debt service Net income Operating Margin Project costs — per person	\$74,944,788 \$6,106,406 \$22,483,436 \$52,461,351 \$47,183,335 \$41,076,929 \$7,869,203 \$13,975,609 \$33,207,726 87% \$1,249	motor vehicles	
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Project finances  Total project cost (privately financed) OPEX (O&M) per year Private equity Financed Gross Revenue from fares EBITA (Profit) Debt service OPEX + Debt service Net income Operating Margin Project costs — per person Number of cars displaced Yearly cost of cars displaced — per person	\$74,944,788 \$6,106,406 \$22,483,436 \$52,461,351 \$47,183,335 \$41,076,929 \$7,869,203 \$13,975,609 \$33,207,726 87% \$1,249 <b>7,268</b> \$1,090 <b>\$0.21</b>	km	53,115 miles
Project finances  Total project cost (privately financed) OPEX (O&M) per year Private equity Financed Gross Revenue from fares EBITA (Profit) Debt service OPEX + Debt service Net income Operating Margin Project costs — per person Number of cars displaced Yearly cost of cars displaced — per person Operating costs — per passenger-mile	\$74,944,788 \$6,106,406 \$22,483,436 \$52,461,351 \$47,183,335 \$41,076,929 \$7,869,203 \$13,975,609 \$33,207,726 87% \$1,249 <b>7,268</b> \$1,090 <b>\$0.21</b>		53,115 miles





# Impact of proposed network

Reduction in CO2 emissions	10,406 metric tons CO <sub>2</sub>
Est. cost to maintain 45 km roadway	\$2,276,640
Reduced waste products per year	1,165 metric tons
Travel time saved per year	106 hrs/person
Cost savings per capita per year from reduced car ownership	\$375
Increase in household income from time saving and car costs	3%
Reported injuries avoided per year	65
Lives saved per year	1
Land freed from parking (41 acres)	167,153 m²
and its commercial value	\$167,153 per year
Health care savings	High
Heat island mitigation from replacing asphalt with green space	1 to 3 °C
Change in global temperature	TBD °C
Decrease in sea level	TBD mm

# **Assumptions**

	_	4	Ratio of road length to track length
	min.	2.5	Convenient walk time to Transit X route
3 mph	km/h	4.9	Walking speed
0 miles	km	0.41	Width of convenient swath along track
		\$3,100,000	Fixed cost for main route per km
		\$1,550,000	Fixed cost per km for branch
		80%	Percentage of Dual Track
		\$2,790,000	Average cost of fixed infrastructure per km
9,006 miles	km	14,500	Median distance traveled per person per year (for trips under 1600 km)
		<u>85%</u>	Mode share % of people convenient to Transit X
		20%	Percentage of daily travel during peak hour
	pods	150	Max capacity: number of pods per km of track
		20%	Max track capacity during peak hour as % of capacity
45 mph	km/h		Average speed of pod
	per day		Average # of trips for people riding Transit X
	people		Average occupancy per pod during peak hours
	people		Average occupancy per pod
	people	5	Maximum occupancy per pod
		25%	Empty pods: Percentage non-revenue vehicle travel
		\$5,000	Cost per pod
		\$45,000	Median income per capita
		\$0.45	Base fare per km
		\$0.72	(per mile)
		<u>5%</u>	O&M as % of project cost
		<u>5%</u>	O&M as % of gross revenue
		70%	Percentage debt financed
	years	<u>10</u>	Length of loan/debt
		5%	Interest rate for debt
		2.37	kg CO2 emissions per liter of gasoline
		\$11	Monetary value of 1 hour personal time
		<u>\$51,000</u>	Eat. roadway maintenance per year per km
247 sf	m <sup>2</sup>	23	Area of one parking lot space
	per m <sup>2</sup>	\$1	Commercial income of land
	km	0.25	Distance from roadway that provides convenience

# Pod & Car

Car	Pod	
12	20	Service life (years)
\$9,000	\$200	Full cost of vehicle per year
\$100,000	\$0	Public cost to maintain infrastructure (per km)
24	1000	Energy Efficiency in MPGe
9.8	0.24	Energy Efficiency in liters/100km
0.09875	0	mass of CO2 per vehicle per km (kg)
1950	45	Vehicle mass (kg)
16	72	Average speed of travel (km/h)
7	2	Typical travel time (in minutes) for 2 km trip
\$0.62	\$0.45	Fare/cost per km
1	0.00001	Number of deaths per 100M passenger-km
62	0.0006	Number of injuries per 100M passenger-km
70.9	5.7	Volume to park (cubic meters)

# **Currency conversion**

Currency name	
Equal to US\$1	1





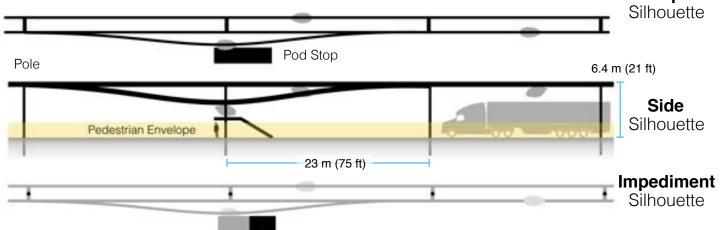
4% of gross revenue proportioned to air rights owners and a municipal fee/tax of 1% of gross revenue. Both air rights and fee/tax have a minimum payment based on the Footprint and the Transit X Commercial Rate (TXCR).

	Note: Inputs have box outline	
Municipal rates		
Total commercial land area	3,000,000 m <sup>2</sup>	32,289,000 sq ft. (741.3 acres)
Total commercial income to muni	\$3,000,000	
TXCR (Transit X Commercial Rate)	\$1.00 per m <sup>2</sup>	\$0.093 per sq ft
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.		
Project Revenue		
Length of Transit X route	26 km	16 miles
Estimated gross revenue per unit length	\$1,817,254 per km	\$2,931,055 per mile
Local Municipal Tax	% of gross revenue with minimum	1.
1% gross revenue	\$18,173 per route-kn	n \$29,311 per route-mile
Minimum per year	\$1,408 per route-kn	m \$2,270 per route-mile
Air Rights Leasing Fee	% of gross revenue with minimum	n. Proportioned based on length.
% of route on municipal land	90%	
4% gross revenue	\$72,690 per route-kn	n \$117,242 per route-mile
Minimum per year	\$1,408 per route-kn	n \$2,270 per route-mile
Taxes and Fees		
Local municipal income	<b>\$2,170,433</b> per year	
with minimum	\$69,444	
Non-municipal income	\$188,733	
with minimum	\$3,655	

# Footprint calculations for minimum fee

# Yearly fees and taxes

**Top** Silbouette



Footprint Calculations	Metric	Imperial
Track width	<u>0.33</u> m	13.0 inches
Track height	<u>0.61</u> m	24.0 inches
Pole diameter	<u>0.3</u> m	11.8 inches
Pole cross section	0.07 m <sup>2</sup>	0.8 sf
Stop landing area	<u>1</u> m <sup>2</sup>	10.8 sf
width	<u>1</u> m	39.4 inches
length	<u>1</u> m	39.4 inches
Ramp length	<u>21</u> m	826.8 feet
Pole span	<u>23</u> m	905.5 feet
Number of poles per unit length	43.5 poles per km	5.8 poles per mile
Pole height	<u>6</u> m	236.2 feet
Single track	1046.7 m <sup>2</sup>	11263 sf
Area of Side Silhouette	688.3 m <sup>2</sup>	7406 sf
Area of Top Silhouette	343.1 m <sup>2</sup>	3692 sf
Impediment Area (adjusted)	15.4 m <sup>2</sup>	165 sf
Dual track	1376.7 m <sup>2</sup>	14814 sf
Area of Side Silhouette	688.3 m <sup>2</sup>	7406 sf
Area of Top Silhouette	673.1 m <sup>2</sup>	7243 sf
Impediment Area (adjusted)	15.4 m <sup>2</sup>	165 sf
Stop	48.5 m <sup>2</sup>	522 sf
Area of Side Silhouette	25.6 m <sup>2</sup>	276 sf
Area of Top Silhouette	17.9 m <sup>2</sup>	192 sf
Impediment Area (adjusted)	5.0 m <sup>2</sup>	54 sf
Ctono	2 otono nor km	2.0 otono nor milo
Stops % of dual track	2 stops per km 80%	3.2 stops per mile
% of dual track	0070	
Average area per unit length	1,408 m² per route-km	24,430 sf per route-mile
Contract values		
% gross revenue for muni tax/fee	1%	
% gross revenue for air rights	4%	
Impediment Factor	5	



# **Fair Fare Policy**

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 offset by Half-price fares. There are no pre-set escalations.

		Initial	50% share	+50% Income	90% Usage
Median income per capita	US\$	\$45,000	\$45,000	\$67,500	\$45,000
Nominal fare	US\$	\$0.45	\$0.45	\$0.68	\$0.45
Per Capita Usage %		1%	50%	50%	90%
Discount for usage	US\$	\$0.00	\$0.11	\$0.17	\$0.20
Base Fare (US\$)	per km	\$0.45	\$0.34	\$0.51	\$0.25
per passenger-mile		\$0.72	\$0.54	\$0.82	\$0.40
% Fares at Market rate		<u>20%</u>	<u>30%</u>	<u>40%</u>	<u>50%</u>
% Fares at Base rate		80%	60%	40%	20%
% Fares at Half Base rate		0%	10%	20%	30%
Estimated average fare	per km	\$0.72	\$0.62	\$1.06	\$0.58

# 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**

Median travel distance per capita per year (under 1000 mile trips)	20,000	km
% of per capita median income for 20,000 km transportation	<u>20%</u>	
Fare Discount when Transit X travel per capita is 20,000 km per year	<u>50%</u>	