



Transit X presents a preliminary proposal for a privately-financed, solar-powered micro-rail network — a fleet of automated electric vehicles (pods) for passengers and freight on a local and regional podway providing public transportation for

Markham, Ontario, Canada

This proposal is downloadable at transitx.com/proposals/Transit X for Markham,Ontario,Canada.pdf

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

A 24-page companion Transit X Handbook is available at transitx.com/transitxhandbook.pdf

148 km network with 6,452 pods

95% of population within a 5 min. walk

Nonstop 72 km/h service to 600 stops



Transit X proposes to build and operate a green, privately-financed micro-rail podway to carry passengers and freight for Markham 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 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 financed by investment banks and private equity firms.

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 operating by the end of 2019. We partner with local civil engineering and construction firms for the installation.

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, as well many new types of job will be created as transportation becomes more efficient. Transit X intends to build manufacturing and assembly plants around the world and locate them where Transit X is first deployed in a region. The vast majority of the construction jobs will be locally sourced. Preferential hiring would be given to those workers displaced by the transition to automated podways.

Revenue Generator

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\$38 million per year average over the first 10 years. For specifics, please see the "Taxes and

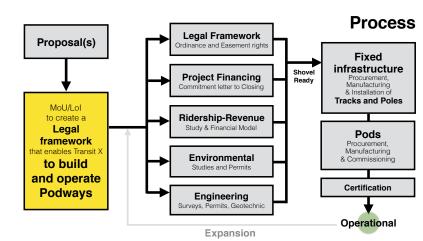
Fees" section of this proposal. These fees and taxes paid by Transit X enables lower taxes or more spending on public services.

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 general process for working with a government or commercial entity. We would refine a proposal that meets your needs, then ask for a letter stating you will create a legal framework for Transit X to build and operate a podway in your region. Example documents and a sample project schedule can be 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 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.

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 (transitx.com/transitxhandbook.pdf)
- · Letters of Project Financing, Due Diligence, Contracts (transitx.com/letters.pdf)
- · Memorandum of Understanding template (transitx.com/process/mou.html)
- · Example Resolution (transitx.com/process/resolution.html)
- · Operating Agreement (transitx.com/process/operating_agreement.html)
- General Q & A (transitx.com/QandA.html)
- Other proposals (transitx.com/proposals)

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 Markham through better transportation.

Sincerely,



Email: rodneydixon@transitx.com Telephone: +1 818-855-4106 (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



Project Overview



1Transit X network length148 km2People (resident-equivalent) in region328,966 resident-equivalent population3Route density ratio (route length to service area)1.164Number of stops6005Triple-speed route length0 km	
3Route density ratio (route length to service area)1.164Number of stops6005Triple-speed route length0 km	
4Number of stops6005Triple-speed route length0 km	
5 Triple-speed route length 0 km	
6 Water crossing route length 0 km	
7 Cost of fixed infrastructure \$536,677,567	
8per person \$1,631	
9 Mode share of travel on Transit X (27% after first year) 81% after 10 years	
10Distance traveled by passengers on Transit X, per year1,593,840,270 km	
11per day 4,366,686 km	
¹² Daily potential energy generation with standard panels on tracks 1,136 MWh	
13Sustainable energy use per day28 MWh2% of max cap	acity
¹⁴ Energy storage capital cost for 1 day(s) of supply at \$100 per kWh \$2,752,836	
15Size (rated power) of solar installation6,400 KW	
16Cost to generate sustainable energy (at \$1,000 per kW)\$6,399,905	
17Cost of buying sustainable energy at \$0.15 per kWh\$4,129 per day5% of OPEX	
18 Daily passengers riding Transit X 265,640 customers 81% of the pop).
19Distance per passenger per day16 km	
20Average distance per trip (assuming 3 trips per day)5 km	
21Single passenger fare for shared 5 km trip\$1.281.66 CAD	
Passenger distance traveled during peak hour 873,337 km	
²³ Breakeven 63,296 ^{customers per day (24% of expected a of people convenient to Transit X)}	and 20%
24 Boarding capacity 216,000 passengers per hour (81% of customer	
25 Number of pods for peak demand 6.452 pods at 81% mode share	
25 Number of pods for peak demand 6,452 pods at 81% mode share 26 Number of customers per pod 41.2 and 51 people per pod	
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Project Overview p. 2



Impact of proposed network

1	Reduction in GHG emissions (metric tons CO2-eq)
2	Estimated cost to maintain public roadways
3	Reduced waste products
4	Travel time saved (non-stop travel and congestion)
5	Cost savings from reduced car ownership
6	Increase in household income (from time savings and car costs)
7	Reported injuries avoided
8	Lives saved (from safety)
9	Land freed from parking (906 acres)
12	Temperature reduction (from heat island effect & GHG reductions)
11	Health care savings (from pollution, injuries)

Model Inputs

	•	
15	Ratio of road length to track length	
16	Walking speed	
17	Width of convenient swath along track	
18	Fixed cost per km (track & posts)	\$2
19	Water crossing: additional cost per km	\$
20	Triple-speed: additional cost per km	\$
21	Rate factor for water crossings or high-speed links.	
22	Average distance traveled per person per year (for trips under 1600 km)	
23	Average distance per day per person	
24	Mode share % of people convenient to Transit X	
25	Percentage of daily demand during peak hour	
26	Maximum capacity per track	
27	Average dwell time during peak hour	
28	% of pods traveling on route with highest demand	
29	Average speed of pod Average # of trips for a daily customer	
30 31	Average passengers per pod during peak hours	
	Average passengers per pod during peak nours Average passengers per pod	
32	Average discount per passenger	
33	Maximum passengers per pod	
34	Empty pods: Percentage non-revenue	
35	Empty pous reforming in revenue Ex-Factory cost per pod	
36	Worldwide Median Income per Household (US\$)	
37	Average number of residents per household	
38	Base fare per km	
39	(per mile)	
40	O&M as % of project cost	
41	Percentage debt financed	
42	Length of loan/debt	
43	Interest rate for debt	
44	kg CO2 emissions per liter of gasoline	
45	Monetary value of 1 hour personal time (USD)	
46	Eat. roadway maintenance per year per km	
47	Area of one parking lot space	
48	Commercial income of land (annual)	
49	Distance from roadway that is convenient	
50	Stops per km	
51 52	Boarding capacity per stop Solar panel area per meter of track	
52	Cost of sustainable energy and storage	
54	Global Horizontal Irradiance (GHI)	
55	Cost to generate sustainable energy	
56	Storage per column	
57	Typical span	
58	Energy storage cost	
59	Energy storage capacity	
60	Area of parked pod	
61	Distance discount at max distance	
62	Max distance discount	
63	Max usage discount at 10,000 km per capita	
64	Shared Pod Discount	
65	Shared Pod Compartment Discount	
66	Mode share starting discount	

4			
	km/h		
0.82	km		
\$2,790,000		27,000	CAD
\$8,370,000	0,0	21,000	O/ LD
\$5,580,000			
2.2			
10,000	km		
27	km		
85%	at 5 min	ı walk.	
20%			
25,380	pph		
	seconds	5	
18%			
72	km/h		45 mph
3	per day		- 1
2.4	passen	aers	
	passen		
19%	P	<u> </u>	
5	passen	aers	
25%	P	5	
\$5,000		6,500	CAD
10,000		13,000	
2.3		,	CAD
\$0.39		0.5	
\$0.63		0.8	
5%		0.0	O/ LD
70%			
10	years		
7%	jeule		
2.37			
\$12.50		16	CAD
\$51,000		66,300	CAD
23	m ²	,	0,12
\$1.00	per m ²		CAD
	km		0,12
4.0			
	pph		
2.0	PPII		
	per kWł	ı	
3.8	kWh/m ²		
	per kW	/ uuj	
40	kWh		
23		ols/km:	44
\$100	per kWh		
1			
2.20	m ²		
40%			
500	km		
50%			
20%			
40%			
67%			
0.70			

157,392	MTCO2-eq annually
\$26,213,584	annually
25,541	metric tons annually
292	hrs/person annually
\$1,386	per person annually
10%	
988	annually
10	annually
3,665,833	m ²
0.5 to 2	°C
High	

Model Inputs (continued)

68	Name of region or project	Markham, Ontario, Ca
69	Currency name	CAD
70	Equal to US\$1	1.3
71	Sustainable energy/electricity generation & storage as	CAPEX
72	Land area of region (sq. km)	212
73	Number of residents in region	328,966
74	% travel within region	60%
75	% of land area served by roads	60%
76	Coverage: % of pop. convenient (5 min walk) to Transit X	95%
77	Annual median household income (US\$)	\$50,000
78	Convenient walk time to stop (min)	5
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	Trip Distance Factor	1
88	Number of Stops Factor	1

Pod & Car

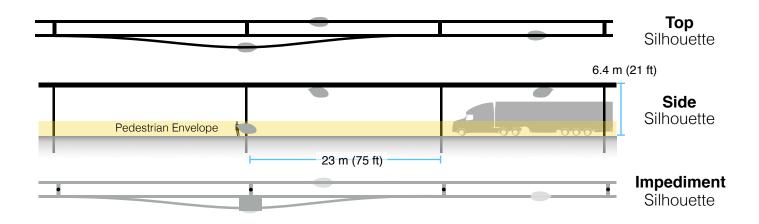
	Pod	Car
Service life (years)	20	12
Full cost of vehicle per year	\$200	\$9,000
Public cost to maintain infrastructure (per km)	\$0	\$100,000
Energy consumption (MPGe)	3564	24
Energy consumption (liters/100km)	0.07	9.8
Energy consumption (Watt-hours/km)	9	1375
mass of CO2 per vehicle per km (kg)	0	0.09875
Vehicle mass (kg)	45	1950
Average speed of urban travel (km/h)	72	16
Typical travel time (in minutes) for 5 km trip	5	21
Fare/cost per km	\$0.39	\$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
	Full cost of vehicle per year Public cost to maintain infrastructure (per km) Energy consumption (MPGe) Energy consumption (liters/100km) Energy consumption (Watt-hours/km) mass of CO2 per vehicle per km (kg) Vehicle mass (kg) Average speed of urban travel (km/h) Typical travel time (in minutes) for 5 km trip Fare/cost per km Number of deaths per 100M passenger-km Number of injuries per 100M passenger-km	Service life (years)20Full cost of vehicle per year\$200Public cost to maintain infrastructure (per km)\$0Energy consumption (MPGe)3564Energy consumption (liters/100km)0.07Energy consumption (Watt-hours/km)9mass of CO2 per vehicle per km (kg)0Vehicle mass (kg)45Average speed of urban travel (km/h)72Typical travel time (in minutes) for 5 km trip5Fare/cost per km\$0.399Number of deaths per 100M passenger-km0.00001Number of injuries per 100M passenger-km0.0006



5% of gross revenue is paid to government easement owners for all fees and taxes. When on a private easement, 4% is paid to the private owner and 1% to the government. A minimum payment is based on the Footprint and the Transit X Commercial Rate (TXCR).

1	Government Fees and Ta	x rate	(for calcul	ating minimums)	
2	Total commercial land (estimated)	12,720,000	m²	acres	
3	Total commercial gov't revenue (US\$)	\$12,720,000		16,536,000 CAD	
4	TXCR (Transit X Commercial Rate)	\$1.00	per m ²	1.3 CAD	
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				
8	4% of gross revenue	\$64.79	per route- meter		
9	Minimum per year	\$1.49	per route- meter		
10	Government Fees a	nd Taxes			
11	% of route on government easements	98%			
12	5% on government easements	\$46,973,770		61,065,901 CAD	
13	1% on private easements	\$191,730			
14	Total gov't fees and taxes	\$47,165,500	per year	61,315,150 CAD	
16	per resident	\$143		186 CAD	
15	with a minimum of	\$219,910	per year	285,883 CAD	

Footprint calculations for minimum fee



1	Footprint Calculations	Metric	Imperial
2	Track width	<u>0.30</u> m	
3	Track height	<u>0.60</u> m	
4	Post diameter	<u>0.3</u> m	
5	Post cross section	<u>0.07</u> m ²	
6	Stop landing area	<u>3.75</u> m²	
7	width	<u>1.5</u> m	
8	length	<u>2.5</u> m	
9	Ramp length	<u>21</u> m	
10	Typical Span	<u>23</u> m	
11	Number of posts per unit length	<u>43.5</u> poles pe	er 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 m ²	
22	Impediment Area (adjusted)	30.7 m ²	
23			
24	Stop	82.1 m ²	
25	Area of Side Silhouette	25.2 m ²	
26	Area of Top Silhouette	19.4 m ²	
27	Impediment Area (adjusted)	37.5 m ²	
28			
		0 - +	
29 30	Stops with dedicated landing areas % of dual track	2 stops pe	er km
	% of dual track	100%	
31			
32	Average area per unit length	1,486 m² per r	oute-km
33			
34	Contract values		
35	% gross revenue for government on private prop.	1%	
36	% gross revenue for private easement	4%	
37	% gross revenue for government easement	5%	
38	Impediment Factor	10	

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Summary

The average commute would be 3.5 times faster saving each commuter 295 hours per year.*

At 0.30 CAD per km, a typical commute on Transit X is 17% less than public transit and 74% less than a Taxi.*

			_	Trip Length									
All prices in CAD				2 km					1	0	٢M)	40 km
Transit X				0.61 to 1.01 2 min., 3.6x faster				2.99 to 5.02 8 min., 3.6x faster			ster	11.49 to 19.58 33 min., 3.4x faster	
Public transit average				3.39				5.40				7.91	
Taxi				4.70 2 to 6 minutes				20.48 8 to 30 minutes			es	79.65 30 to 120 minutes	
Common public modes	Uber/l	_yft		3.58 2 to 6 minutes				14.75 8 to 30 minutes			es	56.62 30 to 120 minutes	
	ublic	Bus		2.73 3 to 12 minutes				2.73 15 to 60 minutes			tes	4.19 60 to 240 minutes	
Com	Train			4.10 2 to 12 minutes				4.82 8 to 60 minutes			es	7.55 30 to 240 minutes	
Personal car				2 t	3.8	85 ninute	es		1 8 to 3	1 .(42.40 30 to 120 minutes
Travel mode	Avg. Speed km/h	Low Speed km/h	High speed km/h	Base	Includ	Over per-km		Max Dist. km	Time cost per min	6%	e shar 70% 10	-	* All numbers on mode shares, speeds, and cos are rough estimates
Тахі	30	20	80	2.73	1		0.5	100	1.21	5%	4%	1%	
Uber/Lyft	30	20	80	2.18	1	1.09	0.5	100	0.61	10%	10%	2%	
Public Bus	15	10	40	2.73	20	0.07	0.5	50	0	50%	50%	40%	
Train	30	10	80	4.10	2	0.09	2	100	0	35%	36%	57%	

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.

50

0

0.21

0.30 0.1

0.91 0.1 400

72

30

72

20

72

80

0

1.82

0

0

Transit X

Personal car



Fair Fare Formula

Fare rates are updated annually using this formula

	Formula Name	Value	Units	Description of the value or model input
1	GlobalIncome	13,000	CAD	Global median household income. Updated annually based on most recent
		10,000	OND	standard published data.
2	AllTravel	23,000	km	Travel distance per household per year on any mode for trips under 1600 km. A global constant
				% of median household income for all transportation under 1600 km trips. A
3	PercentIncomeForTransport	20%		global constant.
4	GlobalRate	0.11	CAD/km	Global rate: GlobalIncome * PercentIncomeForTransport / AllTravel
5	IncomeFirst	\$65,000	CAD	Median household income at first stop (per person per day). External input.
		, ,		Based on reliable public data source updated annually. Median household income at destination per trip. External input. Based on
6	IncomeDest	\$97,500	CAD	reliable public data updated annually.
7	RegionalRate	0.57	0404	Regional rate based on median income:
7	negioriainale	0.57	CAD/km	MedianIncomeFirst * PercentIncomeForTransport / AllTravel
8	UnderIncomeRate	0.00	CAD/km	Under global income adjustment:
9	NominalRate	0.57	CAD/km	if (RegionalRate < GlobalRate, GlobalRate - RegionalRate, 0) Nominal rate: RegionalRate + UnderIncomeRate
10	RegionalFactor	1.00	CAD/KIII	Regional Fare Factor. Negotiated upfront to make network financially viable.
11	AdjustedRate	0.57	CAD/km	Regional adjusted rate: NominalRate * RegionalFactor
13	Population	328,966		Population in region. Updated annually based on trusted public data source.
				Fare Discount when Transit X travel per household equals AllTravel. Global
12	UsageMaxDiscount	50%		constant.
14	PassengerTravel	1,593,840,270	km	Total passenger distance traveled previous calendar year. Based on expected
	Josef Grand	1,000,010,270		mode share for first 3 years. Based on actual passenger trips. Audited.
15	ModeShare	21%		Percent of Total Travel Per Capita on Transit X:
				PassengerTravel / (Population x AllTravel)
16	BaseRate	0.51	CAD/km	Base rate for single-passenger pod (without discounts)
17	SpecialRateFactor	0.00		(1 - UsageMaxDiscount x min(1,ModeShare)) x AdjustedRate
17	Special hater actor	2.20		Rate factor for water crossings or high-speed links. Global constant. Base rate for high-speed travel or water crossings:
18	SpecialBaseRate	1.11	CAD/km	BaseRate * SpecialRateFactor
19	DistanceDiscount	40%		Distance discount at max distance. Global constant.
20	MaxDistanceDiscount	500	km	Max distance discount. Global constant.
21	DistanceDiscountPerKm	0.000405	CAD/km	Discount amount per km:
			CAD/KIII	BaseRate x DistanceDiscount / MaxDistanceDiscount
22	SeniorDiscount	20%		Senior discount set according to local regulations
23	StudentDiscount	20%		Student discount set according to local regulations
0.4	DisabilityDiscount	20%		Disability discount set according to local regulations
24	DiscountBaseRate	0.40	CAD/km	Discounted base rate: BaseRate x (1 - SeniorDiscount)
25	SharedPodDiscount	20%		Discount for a shared pod. Set by Transit X per year. 15% minimum and 30% maximum. Maximum yearly change is one percentage point.
26	SharedPodRate	0.40	CAD/km	Rate for a shared pod: BaseRate x (1 - SharedPodDiscount)
20		0.40	CAD/KIII	Discount for shared compartment. Set by Transit X per year. 25% minimum
27	SharedCompartmentDiscount	40%		and 40% maximum. Maximum yearly change is one percentage point.
	01	0.00		Rate for shared compartment
28	SharedCompartmentRate	0.30	CAD/km	BaseRate x (1 - SharedCompartmentDiscount)
29	SingleOccupancyMaxDistance	0.34	CAD/km	Rate for 500 km in single-passenger pod.
				Rate for a Senior taking a 500 km trip in a shared compartment.
30	Senior +	0.15	CAD/km	BaseRate x (1 - SeniorDiscountAmount) x (1 -
00	SharedCompartmentRate	0.10	0AD/KIII	SharedCompartmentDiscount) x (1 - MaxDistanceDiscount)
				% Higher fare rate if Destination has 50% higher median income than First
31	50PctIncomeAtDest	25%		(IncomeDest / IncomeFirst - 1) / 2
32	DistanceBase	1,179,441,800	km	Passenger distance under base fare. Audited value from operational data.
	PercentBase	74%		Percent of passenger distance under base fare:
33	reidenibase	1470		DistanceBase / PassengerTravel
34	BaseRevenue	483,664,765	CAD	Annual revenue from all travel under base rate. Audited value from operational
01		,,	02	data.
35	AverageDiscount	19%		Average fare discount from Base Rate:
36	MarketFactor	1.0		 (BaseRevenue / (DIstanceDase x BaseRate)) Market rate factor. Negotiated value for setting ratio of AverageDiscount
				Cap on passenger travel distance at market rate:
37	MarketRateCap	19%		AverageDiscount x MarketFactor
20	MarkotTravolCon	222 027 642	km	Cap on passenger travel distance at market rate:
38	MarketTravelCap	222,987,642	km	DistanceBase x MarketRateCap

Project Summary

Project Description	A fully-automated, solar-powered, micro- rail network. A transportation utility.								
Project type	Privately-funded Public Transit Design, Build, Finance, Own, Operate, Maintain (DBFOOM)								
Project cost	US\$591 million								
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 reached3. then 10%								
Taxes & Fees	\$47,165,500 per year								
Benefits to society and environment	Extremely high								

Financials

(US\$ in millions)

	Year 1	Total Years 1-12
Gross Revenues	316	9,174
Taxes and fees	16	459
Debt service	\$29	\$318

ESG (Environmental, Social, Governance) Benefits

Clean energy	yes	Resiliency	yes
Energy security	yes	Sustainable	yes
Emissions-free	yes	Equitable	yes
GHG-free	yes	Recyclable materials	yes
Lowers pollution	yes	Affordable housing	yes
Clean water	yes	Improved Health	yes
Improved Safety	yes	Econ. Development	yes
New infrastructure	yes	Access to Food	yes
Equitable transport	yes	New job creation	yes

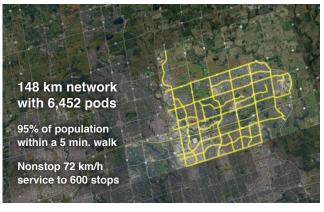




Transit X presents a preliminary proposal for a privately-financed, solarpowered public transit network — a fleet of fully-autonomous, shared, electric, 4-passenger vehicles (pods) on a local and regional podway

Markham, Ontario, Canada

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-rail 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	Letter of intent	Yes
Outdoor test system	Dec, 2019	Yes
Rider-Revenue study	Preliminary	Yes
Environmental study	Per region	Yes
Air rights	Per project	Yes
Permitting	Per project	Yes
Safety certification	In process	Yes
Construction firm	Per project	Yes
Design and major subs	Per project	Yes
Operations & Maint	Yes	Yes
Utility relocation	Per project	Agreements

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

12-year Pro Forma



Model Inputs and Assumptions

Route length (km)	148
Starting number of pods	2,129
Projected revenue growth	15%
Project Cost (Privately funded)	\$590,514,130
% Debt financed	70%
Debt	\$413,359,891
Equity	\$177,154,239
Capital return per year	\$31,887,763
Debt payment (per year)	\$28,935,192

- Travel per year per pod (km) 168,191
- Revenue per vehicle-km (US\$) 0.88
 - OPEX as % of project cost 5%
 - Debt Interest rate 7%
 - 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%

Pro Forma

Yea	rs O	1	2	3	4	5	6	7	8	9	10	11	12
Revenue	0	316,330,188	363,779,716	418,346,674	481,098,675	553,263,476	636,252,998	731,690,947	841,444,589	967,661,278	1,112,810,470	1,279,732,040	1,471,691,846
5% RoW+tax+fee	0%	15,816,509	18,188,986	20,917,334	24,054,934	27,663,174	31,812,650	36,584,547	42,072,229	48,383,064	55,640,523	63,986,602	73,584,592
Debt service	0	\$28,935,192	\$28,935,192	\$28,935,192	\$28,935,192	\$28,935,192	\$28,935,192	\$28,935,192	\$28,935,192	\$28,935,192	\$28,935,192	\$28,935,192	\$28,935,192

Investor share	0	196,062,752	46,701,596	50,908,685	55,746,836	61,310,711	67,709,166	75,067,390	83,529,347	93,260,598	104,451,536	117,321,115	132,121,131
Investor share (%)		90 %	18%	17%	16%	15%	15%	14%	13%	13%	13%	12%	12%
Share / Orig Capital	0%	111%	26%	29 %	31%	35%	38%	42%	47%	53%	59 %	66%	75%

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 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.